

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

03/31/2025

| 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 | 29.40 | 29.67 | 37.28 | 30.80 | 28.90 | 34.82 | 29.20 | 30.40 | 33.08 | 41.82 | 54.29 | 38.98 | 36.56 | 29.21 | 30.11 | 28.36 | 32.48 | 38.08 | 47.90 | 64.32 | 77.27 | 55.44 | 47.62 | 44.89 |
| 24138 | 1.43 | 1.46 | 1.71 | 1.47 | 1.43 | 1.84 | 2.05 | 2.43 | 2.67 | 3.31 | 4.08 | 3.05 | 3.08 | 2.41 | 2.46 | 2.25 | 2.63 | 3.03 | 3.81 | 4.94 | 5.24 | 3.30 | 2.42 | 2.03 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 29.42 | 29.66 | 37.27 | 30.80 | 28.90 | 34.81 | 29.18 | 30.35 | 33.01 | 41.73 | 54.18 | 38.89 | 36.48 | 29.14 | 30.04 | 28.30 | 32.42 | 38.01 | 47.83 | 64.29 | 77.24 | 55.44 | 47.62 | 44.88 |
| 24260 | 1.45 | 1.45 | 1.70 | 1.47 | 1.42 | 1.83 | 2.02 | 2.38 | 2.59 | 3.22 | 3.96 | 2.97 | 3.01 | 2.34 | 2.40 | 2.19 | 2.57 | 2.96 | 3.73 | 4.91 | 5.21 | 3.30 | 2.43 | 2.02 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 29.42 | 29.66 | 37.27 | 30.80 | 28.90 | 34.81 | 29.18 | 30.35 | 33.01 | 41.73 | 54.18 | 38.89 | 36.48 | 29.14 | 30.04 | 28.30 | 32.42 | 38.01 | 47.83 | 64.29 | 77.24 | 55.44 | 47.62 | 44.88 |
| 24261 | 1.45 | 1.45 | 1.70 | 1.47 | 1.42 | 1.83 | 2.02 | 2.38 | 2.59 | 3.22 | 3.96 | 2.97 | 3.01 | 2.34 | 2.40 | 2.19 | 2.57 | 2.96 | 3.73 | 4.91 | 5.21 | 3.30 | 2.43 | 2.02 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 29.38 | 29.63 | 37.33 | 30.77 | 28.78 | 34.48 | 28.60 | 29.52 | 32.17 | 40.79 | 52.96 | 37.51 | 34.98 | 27.88 | 28.61 | 26.96 | 31.03 | 36.95 | 46.64 | 62.91 | 75.60 | 54.37 | 46.52 | 43.85 |
| 24011 | 1.41 | 1.41 | 1.75 | 1.44 | 1.31 | 1.50 | 1.45 | 1.55 | 1.76 | 2.28 | 2.75 | 1.59 | 1.50 | 1.08 | 0.96 | 0.84 | 1.18 | 1.90 | 2.55 | 3.54 | 3.57 | 2.24 | 1.32 | 0.99 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK RESOURCE___RCVRY | 29.47 | 29.71 | 37.47 | 30.90 | 28.92 | 34.68 | 28.65 | 29.58 | 32.35 | 41.03 | 53.24 | 37.66 | 35.07 | 27.96 | 28.68 | 26.97 | 31.11 | 37.10 | 46.90 | 63.23 | 75.92 | 54.58 | 46.62 | 43.93 |
| 23798 | 1.50 | 1.49 | 1.90 | 1.57 | 1.45 | 1.70 | 1.50 | 1.61 | 1.94 | 2.52 | 3.03 | 1.74 | 1.60 | 1.16 | 1.04 | 0.86 | 1.26 | 2.05 | 2.81 | 3.85 | 3.89 | 2.45 | 1.42 | 1.08 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 29.38 | 29.63 | 37.33 | 30.77 | 28.78 | 34.48 | 28.60 | 29.52 | 32.17 | 40.79 | 52.96 | 37.51 | 34.98 | 27.88 | 28.61 | 26.96 | 31.03 | 36.95 | 46.64 | 62.91 | 75.60 | 54.37 | 46.52 | 43.85 |
| 24028 | 1.41 | 1.41 | 1.75 | 1.44 | 1.31 | 1.50 | 1.45 | 1.55 | 1.76 | 2.28 | 2.75 | 1.59 | 1.50 | 1.08 | 0.96 | 0.84 | 1.18 | 1.90 | 2.55 | 3.54 | 3.57 | 2.24 | 1.32 | 0.99 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK_NYS___DAM | 29.26 | 29.54 | 37.10 | 30.66 | 28.78 | 34.69 | 28.92 | 30.00 | 32.70 | 41.56 | 53.96 | 38.40 | 35.84 | 28.75 | 29.58 | 27.46 | 31.45 | 37.07 | 46.68 | 62.92 | 75.54 | 54.35 | 46.58 | 43.94 |
| 23527 | 1.29 | 1.32 | 1.53 | 1.33 | 1.31 | 1.72 | 1.76 | 2.03 | 2.28 | 3.05 | 3.75 | 2.47 | 2.36 | 1.96 | 1.93 | 1.35 | 1.60 | 2.01 | 2.58 | 3.55 | 3.51 | 2.21 | 1.38 | 1.08 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 28.42 | 28.68 | 36.07 | 29.82 | 27.98 | 33.58 | 28.03 | 28.70 | 30.88 | 39.04 | 50.78 | 36.25 | 33.92 | 27.16 | 28.06 | 26.63 | 30.64 | 35.96 | 45.13 | 60.77 | 73.08 | 52.64 | 45.27 | 42.78 |
| 24190 | 0.45 | 0.46 | 0.50 | 0.48 | 0.50 | 0.60 | 0.88 | 0.73 | 0.46 | 0.53 | 0.57 | 0.32 | 0.44 | 0.37 | 0.41 | 0.52 | 0.79 | 0.91 | 1.03 | 1.39 | 1.05 | 0.50 | 0.07 | -0.08 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 28.07 | 28.25 | 35.70 | 29.35 | 27.42 | 32.99 | 27.11 | 28.02 | 30.50 | 38.70 | 50.78 | 36.38 | 33.79 | 27.08 | 27.95 | 26.32 | 29.89 | 34.94 | 43.92 | 59.19 | 72.59 | 52.75 | 45.93 | 43.60 |
| 355683 | 0.10 | 0.03 | 0.13 | 0.01 | -0.05 | 0.02 | -0.05 | 0.05 | 0.08 | 0.19 | 0.57 | 0.46 | 0.31 | 0.28 | 0.31 | 0.21 | 0.04 | -0.11 | -0.17 | -0.19 | 0.56 | 0.61 | 0.73 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY_1_SOLAR | 28.82 | 29.10 | 36.63 | 30.28 | 28.41 | 34.11 | 28.46 | 29.14 | 31.44 | 39.69 | 51.51 | 36.64 | 34.20 | 27.27 | 28.08 | 26.65 | 30.84 | 36.44 | 45.85 | 61.88 | 74.46 | 53.63 | 46.15 | 43.63 |
| 323833 | 0.85 | 0.88 | 1.06 | 0.94 | 0.93 | 1.13 | 1.30 | 1.16 | 1.02 | 1.19 | 1.30 | 0.72 | 0.72 | 0.47 | 0.44 | 0.55 | 0.98 | 1.39 | 1.76 | 2.50 | 2.43 | 1.50 | 0.96 | 0.78 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 28.82 | 29.10 | 36.62 | 30.26 | 28.41 | 34.10 | 28.45 | 29.14 | 31.43 | 39.68 | 51.50 | 36.64 | 34.20 | 27.26 | 28.08 | 26.64 | 30.84 | 36.43 | 45.85 | 61.87 | 74.44 | 53.61 | 46.15 | 43.63 |
| 323834 | 0.85 | 0.88 | 1.05 | 0.93 | 0.93 | 1.12 | 1.30 | 1.16 | 1.01 | 1.17 | 1.29 | 0.72 | 0.72 | 0.46 | 0.43 | 0.54 | 0.98 | 1.38 | 1.76 | 2.49 | 2.41 | 1.47 | 0.95 | 0.77 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 28.42 | 28.68 | 36.07 | 29.82 | 27.98 | 33.58 | 28.03 | 28.70 | 30.88 | 39.04 | 50.78 | 36.25 | 33.92 | 27.16 | 28.06 | 26.63 | 30.64 | 35.96 | 45.13 | 60.77 | 73.08 | 52.64 | 45.27 | 42.78 |
| 23571 | 0.45 | 0.46 | 0.50 | 0.48 | 0.50 | 0.60 | 0.88 | 0.73 | 0.46 | 0.53 | 0.57 | 0.32 | 0.44 | 0.37 | 0.41 | 0.52 | 0.79 | 0.91 | 1.03 | 1.39 | 1.05 | 0.50 | 0.07 | -0.08 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 28.42 0.45 0.00 | 28.68 0.46 0.00 | 36.07 0.50 0.00 | 29.82 0.48 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 28.03 0.88 0.00 | 28.70 0.73 0.00 | 30.88 0.46 0.00 | 39.04 0.53 0.00 | 50.78 0.57 0.00 | 36.25 0.32 0.00 | 33.92 0.44 0.00 | 27.16 0.37 0.00 | 28.06 0.41 0.00 | 26.63 0.52 0.00 | 30.64 0.79 0.00 | 35.96 0.91 0.00 | 45.13 1.03 0.00 | 60.77 1.39 0.00 | 73.08 1.05 0.00 | 52.64 0.50 0.00 | 45.27 0.07 0.00 | 42.78 -0.08 0.00 |
| ALBANY___3 23573 | 28.42 0.45 0.00 | 28.68 0.46 0.00 | 36.07 0.50 0.00 | 29.82 0.48 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 28.03 0.88 0.00 | 28.70 0.73 0.00 | 30.88 0.46 0.00 | 39.04 0.53 0.00 | 50.78 0.57 0.00 | 36.25 0.32 0.00 | 33.92 0.44 0.00 | 27.16 0.37 0.00 | 28.06 0.41 0.00 | 26.63 0.52 0.00 | 30.64 0.79 0.00 | 35.96 0.91 0.00 | 45.13 1.03 0.00 | 60.77 1.39 0.00 | 73.08 1.05 0.00 | 52.64 0.50 0.00 | 45.27 0.07 0.00 | 42.78 -0.08 0.00 |
| ALBANY___4 23574 | 28.42 0.45 0.00 | 28.68 0.46 0.00 | 36.07 0.50 0.00 | 29.82 0.48 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 28.03 0.88 0.00 | 28.70 0.73 0.00 | 30.88 0.46 0.00 | 39.04 0.53 0.00 | 50.78 0.57 0.00 | 36.25 0.32 0.00 | 33.92 0.44 0.00 | 27.16 0.37 0.00 | 28.06 0.41 0.00 | 26.63 0.52 0.00 | 30.64 0.79 0.00 | 35.96 0.91 0.00 | 45.13 1.03 0.00 | 60.77 1.39 0.00 | 73.08 1.05 0.00 | 52.64 0.50 0.00 | 45.27 0.07 0.00 | 42.78 -0.08 0.00 |
| ALBANY___LFGE 323615 | 28.64 0.67 0.00 | 28.90 0.68 0.00 | 36.36 0.78 0.00 | 30.05 0.72 0.00 | 28.19 0.72 0.00 | 33.85 0.87 0.00 | 28.25 1.10 0.00 | 28.92 0.95 0.00 | 31.17 0.75 0.00 | 39.43 0.92 0.00 | 51.30 1.09 0.00 | 36.59 0.67 0.00 | 34.22 0.75 0.00 | 27.39 0.59 0.00 | 28.30 0.65 0.00 | 26.88 0.77 0.00 | 30.93 1.08 0.00 | 36.32 1.27 0.00 | 45.60 1.51 0.00 | 61.41 2.03 0.00 | 73.85 1.81 0.00 | 53.18 1.05 0.00 | 45.72 0.53 0.00 | 43.20 0.34 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 28.08 0.11 0.00 | 28.24 0.02 0.00 | 36.70 0.12 -1.01 | 29.94 0.00 -0.60 | 29.02 -0.06 -1.62 | 34.51 0.01 -1.52 | 28.82 -0.04 -1.70 | 29.73 0.07 -1.68 | 31.69 0.10 -1.17 | 39.42 0.23 -0.68 | 50.81 0.60 0.00 | 36.37 0.45 0.00 | 33.77 0.29 0.00 | 27.05 0.25 0.00 | 27.88 0.23 0.00 | 26.24 0.13 0.00 | 29.80 -0.06 0.00 | 34.83 -0.22 0.00 | 43.91 -0.31 -0.12 | 61.09 -0.32 -2.03 | 73.15 0.86 -0.26 | 52.98 0.85 0.00 | 46.15 0.95 0.00 | 43.80 0.94 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 28.08 0.11 0.00 | 28.24 0.02 0.00 | 36.70 0.12 -1.01 | 29.94 0.00 -0.60 | 29.02 -0.06 -1.62 | 34.51 0.01 -1.52 | 28.82 -0.04 -1.70 | 29.73 0.07 -1.68 | 31.69 0.10 -1.17 | 39.42 0.23 -0.68 | 50.81 0.60 0.00 | 36.37 0.45 0.00 | 33.77 0.29 0.00 | 27.05 0.25 0.00 | 27.88 0.23 0.00 | 26.24 0.13 0.00 | 29.80 -0.06 0.00 | 34.83 -0.22 0.00 | 43.91 -0.31 -0.12 | 61.09 -0.32 -2.03 | 73.15 0.86 -0.26 | 52.98 0.85 0.00 | 46.15 0.95 0.00 | 43.80 0.94 0.00 |
| ALCOA___DSASP 323711 | 28.08 0.11 0.00 | 28.24 0.02 0.00 | 36.70 0.12 -1.01 | 29.94 0.00 -0.60 | 29.02 -0.06 -1.62 | 34.51 0.01 -1.52 | 28.82 -0.04 -1.70 | 29.73 0.07 -1.68 | 31.69 0.10 -1.17 | 39.42 0.23 -0.68 | 50.81 0.60 0.00 | 36.37 0.45 0.00 | 33.76 0.29 0.00 | 27.05 0.25 0.00 | 27.88 0.23 0.00 | 26.23 0.12 0.00 | 29.80 -0.06 0.00 | 34.83 -0.22 0.00 | 43.91 -0.30 -0.12 | 61.08 -0.33 -2.03 | 73.16 0.87 -0.26 | 52.98 0.84 0.00 | 46.15 0.95 0.00 | 43.80 0.94 0.00 |
| ALLEGHENY___COGEN 23514 | 29.98 -1.21 -3.22 | 39.96 -1.21 -12.95 | 34.22 -1.36 0.00 | 28.01 -1.32 0.00 | 26.32 -1.16 0.00 | 39.73 -1.18 -7.94 | 48.92 -0.65 -22.42 | 47.33 -0.62 -19.98 | 52.57 -0.58 -22.73 | 67.31 -1.15 -29.95 | 85.07 -1.72 -36.58 | 62.71 -1.58 -28.37 | 60.35 -1.63 -28.49 | 31.89 -1.42 -6.51 | 26.56 -1.08 0.00 | 25.07 -1.04 0.00 | 30.75 -0.80 -1.70 | 60.26 -0.62 -25.83 | 79.74 -0.27 -35.92 | 101.34 -0.33 -42.29 | 109.45 -0.17 -37.59 | 54.08 -0.21 -2.15 | 45.14 -0.05 0.00 | 42.67 -0.18 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 28.57 0.60 0.00 | 28.85 0.63 0.00 | 36.30 0.72 0.00 | 30.00 0.66 0.00 | 28.13 0.66 0.00 | 33.78 0.80 0.00 | 28.16 1.01 0.00 | 28.90 0.93 0.00 | 31.55 1.14 0.00 | 40.05 1.54 0.00 | 52.05 1.83 0.00 | 37.00 1.07 0.00 | 34.53 1.05 0.00 | 27.56 0.76 0.00 | 28.38 0.74 0.00 | 26.87 0.77 0.00 | 30.91 1.06 0.00 | 36.50 1.44 0.00 | 45.97 1.88 0.00 | 62.08 2.70 0.00 | 74.87 2.84 0.00 | 53.94 1.80 0.00 | 46.45 1.25 0.00 | 43.88 1.03 0.00 |
| ALTONA_WT_PWR 323606 | 27.43 -0.54 0.00 | 27.61 -0.60 0.00 | 7.51 -0.82 27.25 | 12.39 -0.77 16.18 | -17.04 -0.86 43.65 | -47.96 -1.16 79.79 | -20.97 -0.87 47.25 | -21.00 -0.79 48.19 | -3.77 -0.72 33.47 | 18.32 -0.77 19.42 | 50.37 0.16 0.00 | 36.09 0.17 0.00 | 33.36 -0.12 0.00 | 26.75 -0.05 0.00 | 27.55 -0.09 0.00 | 25.90 -0.20 0.00 | 29.33 -0.52 0.00 | 34.19 -0.86 0.00 | 38.19 -1.20 4.70 | -20.78 -1.71 78.45 | 63.87 -0.87 7.29 | 51.99 -0.14 0.00 | 45.51 0.32 0.00 | 43.09 0.23 0.00 |
| AMERICAN_REF_FUEL 24010 | 24.30 -2.96 0.72 | 22.32 -3.01 2.89 | 32.11 -3.47 0.00 | 26.13 -3.20 0.00 | 24.54 -2.93 0.00 | 27.81 -3.40 1.77 | 19.36 -2.79 5.01 | 20.45 -3.02 4.49 | 22.39 -2.92 5.11 | 28.25 -3.53 6.73 | 37.33 -4.66 8.22 | 26.56 -3.00 6.37 | 24.07 -3.01 6.40 | 22.85 -2.49 1.46 | 25.37 -2.28 0.00 | 23.86 -2.25 0.00 | 26.84 -2.63 0.38 | 26.11 -3.13 5.81 | 32.25 -3.77 8.08 | 44.68 -5.18 9.51 | 57.53 -6.05 8.45 | 47.56 -4.09 0.48 | 42.23 -2.96 0.00 | 40.54 -2.32 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 24.43 -3.22 0.31 | 24.14 -2.82 1.26 | 32.43 -3.14 0.00 | 26.21 -3.12 0.00 | 24.37 -3.11 0.00 | 28.81 -3.39 0.77 | 22.57 -2.41 2.17 | 23.62 -2.40 1.94 | 26.08 -2.13 2.21 | 32.64 -2.96 2.90 | 42.70 -3.96 3.55 | 30.43 -2.74 2.75 | 28.23 -2.48 2.76 | 24.06 -2.10 0.63 | 25.68 -1.97 0.00 | 24.22 -1.89 0.00 | 27.89 -1.80 0.16 | 31.00 -1.54 2.51 | 39.01 -1.58 3.49 | 52.76 -2.50 4.12 | 65.55 -2.83 3.66 | 49.75 -2.18 0.21 | 43.67 -1.53 0.00 | 41.44 -1.42 0.00 |
| ARTHUR KILL_GT_1 23520 | 46.21 1.43 -16.82 | 45.44 1.46 -15.75 | 45.41 1.69 -8.14 | 46.76 1.48 -15.94 | 44.94 1.47 -15.99 | 45.49 1.84 -10.67 | 45.41 2.01 -16.24 | 45.72 2.36 -15.39 | 46.04 2.55 -13.08 | 47.80 3.19 -6.10 | 59.47 3.75 -5.51 | 48.67 2.88 -9.87 | 47.02 2.80 -10.74 | 46.38 2.21 -17.37 | 49.80 2.25 -19.91 | 46.17 2.17 -17.90 | 49.52 2.56 -17.12 | 49.56 2.91 -11.60 | 55.59 3.62 -7.87 | 70.18 4.69 -6.11 | 78.14 4.84 -1.27 | 61.25 3.06 -6.06 | 49.03 2.37 -1.47 | 51.44 2.06 -6.53 |
| ARTHUR_KILL_2 23512 | 46.15 1.36 -16.82 | 45.37 1.40 -15.75 | 45.33 1.61 -8.14 | 46.70 1.43 -15.94 | 44.87 1.40 -15.99 | 45.41 1.76 -10.67 | 45.33 1.94 -16.24 | 45.65 2.28 -15.39 | 45.96 2.46 -13.08 | 47.70 3.09 -6.10 | 59.35 3.63 -5.51 | 48.57 2.79 -9.87 | 46.94 2.72 -10.74 | 46.32 2.15 -17.37 | 49.74 2.19 -19.91 | 46.11 2.11 -17.90 | 49.44 2.48 -17.12 | 49.46 2.81 -11.60 | 55.46 3.50 -7.87 | 70.00 4.52 -6.11 | 77.93 4.63 -1.27 | 61.10 2.90 -6.06 | 48.91 2.24 -1.47 | 51.33 1.94 -6.53 |
| ARTHUR_KILL_3 23513 | 45.90 1.11 -16.82 | 45.10 1.12 -15.76 | 45.01 1.29 -8.15 | 46.42 1.14 -15.94 | 44.58 1.11 -16.00 | 45.09 1.44 -10.67 | 45.10 1.69 -16.25 | 45.40 2.04 -15.39 | 45.71 2.22 -13.08 | 47.33 2.71 -6.11 | 53.49 3.28 0.00 | 47.56 2.48 -9.16 | 46.03 2.55 -10.00 | 35.91 2.01 -7.10 | 47.84 2.04 -18.16 | 45.87 1.87 -17.89 | 49.17 2.21 -17.11 | 49.18 2.54 -11.59 | 55.14 3.18 -7.86 | 63.49 4.12 0.00 | 77.54 4.24 -1.27 | 54.93 2.60 -0.20 | 47.52 1.84 -0.48 | 50.20 1.51 -5.84 |

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|-----------------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ARTHUR_KILL_COGEN 323718 | 46.21 1.43 -16.82 | 45.44 1.46 -15.75 | 45.41 1.69 -8.14 | 46.76 1.48 -15.94 | 44.94 1.47 -15.99 | 45.49 1.84 -10.67 | 45.41 2.01 -16.24 | 45.72 2.36 -15.39 | 46.04 2.55 -13.08 | 47.80 3.19 -6.10 | 59.47 3.75 -5.51 | 48.67 2.88 -9.87 | 47.02 2.80 -10.74 | 46.38 2.21 -17.37 | 49.80 2.25 -19.91 | 46.17 2.17 -17.90 | 49.52 2.56 -17.12 | 49.56 2.91 -11.60 | 55.59 3.62 -7.87 | 70.18 4.69 -6.11 | 78.14 4.84 -1.27 | 61.25 3.06 -6.06 | 49.03 2.37 -1.47 | 51.44 2.06 -6.53 |
| ASHOKAN____ 23654 | 29.36 1.39 0.00 | 29.62 1.40 0.00 | 37.23 1.65 0.00 | 30.78 1.45 0.00 | 28.89 1.42 0.00 | 34.75 1.77 0.00 | 29.08 1.93 0.00 | 30.04 2.06 0.00 | 32.54 2.12 0.00 | 41.07 2.56 0.00 | 53.36 3.15 0.00 | 38.02 2.10 0.00 | 35.26 1.78 0.00 | 27.99 1.19 0.00 | 28.96 1.32 0.00 | 27.39 1.28 0.00 | 31.55 1.70 0.00 | 37.28 2.23 0.00 | 47.09 2.99 0.00 | 63.57 4.20 0.00 | 76.48 4.45 0.00 | 54.94 2.80 0.00 | 47.15 1.95 0.00 | 44.44 1.58 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 29.07 1.10 0.00 | 29.34 1.12 0.00 | 36.81 1.24 0.00 | 30.47 1.13 0.00 | 28.58 1.11 0.00 | 34.41 1.43 0.00 | 28.85 1.70 0.00 | 30.01 2.04 0.01 | 32.66 2.25 0.01 | 41.28 2.78 0.01 | 53.53 3.32 0.00 | 38.43 2.50 0.00 | 36.08 2.61 0.01 | 28.85 2.06 0.01 | 29.73 2.09 0.01 | 28.01 1.91 0.01 | 32.09 2.24 0.00 | 37.57 2.52 0.00 | 47.27 3.18 0.00 | 63.64 4.27 0.00 | 76.35 4.31 0.00 | 54.79 2.65 -0.01 | 47.01 1.81 0.00 | 44.28 1.43 0.00 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 29.07 1.10 0.00 | 29.34 1.12 0.00 | 36.81 1.24 0.00 | 30.47 1.13 0.00 | 28.58 1.11 0.00 | 34.41 1.43 0.00 | 28.85 1.70 0.00 | 30.01 2.04 0.01 | 32.66 2.25 0.01 | 41.28 2.78 0.01 | 53.53 3.32 0.00 | 38.43 2.50 0.00 | 36.08 2.61 0.01 | 28.85 2.06 0.01 | 29.73 2.09 0.01 | 28.01 1.91 0.01 | 32.09 2.24 0.00 | 37.57 2.52 0.00 | 47.27 3.18 0.00 | 63.64 4.27 0.00 | 76.35 4.31 0.00 | 54.79 2.65 -0.01 | 47.01 1.81 0.00 | 44.28 1.43 0.00 |
| ASTORIA_GT2_1 24094 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT2_2 24095 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT2_3 24096 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT2_4 24097 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT3_1 24098 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT3_2 24099 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT3_3 24100 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT3_4 24101 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT4_1 24102 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT4_2 24103 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT4_3 24104 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |

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|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|
| ASTORIA_GT4_4 24105 | 29.08 1.11 0.00 | 29.36 1.14 0.00 | 36.84 1.26 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.45 0.00 | 28.86 1.71 0.00 | 30.04 2.06 0.00 | 32.68 2.27 0.01 | 41.31 2.80 0.00 | 53.57 3.36 0.00 | 38.45 2.53 0.00 | 36.11 2.64 0.01 | 28.86 2.07 0.01 | 29.75 2.11 0.01 | 28.03 1.92 0.01 | 32.10 2.25 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.38 4.34 0.00 | 54.82 2.68 -0.01 | 47.04 1.84 0.00 | 44.30 1.44 0.00 |
| ASTORIA_GT_1 23523 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.88 1.30 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.49 0.00 | 28.90 1.75 0.00 | 30.07 2.10 0.01 | 32.72 2.31 0.01 | 41.37 2.87 0.01 | 53.64 3.43 0.00 | 38.50 2.58 0.00 | 36.16 2.68 0.01 | 28.91 2.12 0.01 | 29.80 2.16 0.01 | 28.07 1.97 0.01 | 32.16 2.31 0.00 | 37.66 2.60 0.00 | 47.37 3.28 0.00 | 63.78 4.40 0.00 | 76.50 4.47 0.00 | 54.91 2.76 -0.01 | 47.10 1.91 0.00 | 44.37 1.51 0.00 |
| ASTORIA_GT_10 24110 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.61 3.10 0.00 | 53.96 3.75 0.00 | 38.74 2.82 0.00 | 50.88 2.90 -14.50 | 46.75 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.57 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.21 3.07 -0.01 | 47.42 2.22 0.00 | 44.67 1.81 0.00 |
| ASTORIA_GT_11 24225 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.61 3.10 0.00 | 53.96 3.75 0.00 | 38.74 2.82 0.00 | 50.88 2.90 -14.50 | 46.75 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.57 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.21 3.07 -0.01 | 47.42 2.22 0.00 | 44.67 1.81 0.00 |
| ASTORIA_GT_12 24226 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.61 3.10 0.00 | 53.96 3.75 0.00 | 38.74 2.82 0.00 | 50.88 2.90 -14.50 | 46.75 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.57 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.21 3.07 -0.01 | 47.42 2.22 0.00 | 44.67 1.81 0.00 |
| ASTORIA_GT_13 24227 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.61 3.10 0.00 | 53.96 3.75 0.00 | 38.74 2.82 0.00 | 50.88 2.90 -14.50 | 46.75 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.57 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.21 3.07 -0.01 | 47.42 2.22 0.00 | 44.67 1.81 0.00 |
| ASTORIA_GT_5 24106 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.88 1.30 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.49 0.00 | 28.91 1.75 0.00 | 30.08 2.11 0.00 | 32.73 2.32 0.01 | 41.38 2.87 0.00 | 53.64 3.44 0.00 | 38.51 2.59 0.00 | 36.18 2.70 0.01 | 28.91 2.12 0.01 | 29.80 2.16 0.01 | 28.08 1.97 0.01 | 32.16 2.31 0.00 | 37.65 2.60 0.00 | 47.36 3.27 0.00 | 63.78 4.41 0.00 | 76.50 4.47 0.00 | 54.91 2.77 -0.01 | 47.11 1.91 0.00 | 44.36 1.51 0.00 |
| ASTORIA_GT_7 24107 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.88 1.30 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.49 0.00 | 28.91 1.75 0.00 | 30.08 2.11 0.00 | 32.73 2.32 0.01 | 41.38 2.87 0.00 | 53.64 3.44 0.00 | 38.51 2.59 0.00 | 36.18 2.70 0.01 | 28.91 2.12 0.01 | 29.80 2.16 0.01 | 28.08 1.97 0.01 | 32.16 2.31 0.00 | 37.65 2.60 0.00 | 47.36 3.27 0.00 | 63.78 4.41 0.00 | 76.50 4.47 0.00 | 54.91 2.77 -0.01 | 47.11 1.91 0.00 | 44.36 1.51 0.00 |
| ASTORIA_GT_8 24108 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.88 1.30 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.49 0.00 | 28.91 1.75 0.00 | 30.08 2.11 0.00 | 32.73 2.32 0.01 | 41.38 2.87 0.00 | 53.64 3.44 0.00 | 38.51 2.59 0.00 | 36.18 2.70 0.01 | 28.91 2.12 0.01 | 29.80 2.16 0.01 | 28.08 1.97 0.01 | 32.16 2.31 0.00 | 37.65 2.60 0.00 | 47.36 3.27 0.00 | 63.78 4.41 0.00 | 76.50 4.47 0.00 | 54.91 2.77 -0.01 | 47.11 1.91 0.00 | 44.36 1.51 0.00 |
| ASTORIA___2 24149 | 29.08 1.11 0.00 | 29.35 1.14 0.00 | 36.84 1.27 0.00 | 30.47 1.14 0.00 | 28.60 1.12 0.00 | 34.42 1.44 0.00 | 28.86 1.71 0.00 | 30.03 2.06 0.01 | 32.68 2.27 0.01 | 41.30 2.79 0.01 | 53.56 3.35 0.00 | 38.45 2.53 0.00 | 36.10 2.63 0.01 | 28.86 2.07 0.01 | 29.74 2.11 0.01 | 28.02 1.92 0.01 | 32.10 2.26 0.00 | 37.59 2.54 0.00 | 47.29 3.19 0.00 | 63.68 4.30 0.00 | 76.37 4.34 0.00 | 54.81 2.67 -0.01 | 47.05 1.85 0.00 | 44.30 1.44 0.00 |
| ASTORIA___3 23516 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.60 3.09 0.00 | 53.95 3.74 0.00 | 38.74 2.81 0.00 | 50.86 2.89 -14.50 | 46.74 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.58 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.20 3.06 -0.01 | 47.42 2.22 0.00 | 44.68 1.82 0.00 |
| ASTORIA___4 23517 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.61 3.10 0.00 | 53.96 3.75 0.00 | 38.74 2.82 0.00 | 50.88 2.90 -14.50 | 46.75 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.57 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.21 3.07 -0.01 | 47.42 2.22 0.00 | 44.67 1.81 0.00 |
| ASTORIA___5 23518 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.60 3.09 0.00 | 53.95 3.74 0.00 | 38.74 2.81 0.00 | 50.86 2.89 -14.50 | 46.74 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.58 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.20 3.06 -0.01 | 47.42 2.22 0.00 | 44.67 1.82 0.00 |
| AST_ENERGY_2_CC3 323677 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.69 1.22 0.00 | 34.54 1.56 0.00 | 28.96 1.80 0.00 | 30.12 2.15 0.00 | 32.76 2.34 0.00 | 41.40 2.89 0.00 | 53.74 3.53 0.00 | 38.57 2.65 0.00 | 36.18 2.71 0.00 | 28.93 2.13 0.00 | 29.81 2.16 0.00 | 28.09 1.98 0.00 | 32.18 2.33 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.75 4.38 0.00 | 76.56 4.53 0.00 | 54.96 2.83 0.00 | 47.23 2.03 0.00 | 44.53 1.68 0.00 |
| AST_ENERGY_2_CC4 323678 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.69 1.22 0.00 | 34.54 1.56 0.00 | 28.96 1.80 0.00 | 30.12 2.15 0.00 | 32.76 2.34 0.00 | 41.40 2.89 0.00 | 53.74 3.53 0.00 | 38.57 2.65 0.00 | 36.18 2.71 0.00 | 28.93 2.13 0.00 | 29.81 2.16 0.00 | 28.09 1.98 0.00 | 32.18 2.33 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.75 4.38 0.00 | 76.56 4.53 0.00 | 54.96 2.83 0.00 | 47.23 2.03 0.00 | 44.53 1.68 0.00 |

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|--------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|
| ATHENS_STG_1 23668 | 28.67 0.70 0.00 | 28.96 0.74 0.00 | 36.42 0.85 0.00 | 30.13 0.79 0.00 | 28.25 0.78 0.00 | 33.90 0.92 0.00 | 28.29 1.14 0.00 | 29.19 1.22 0.00 | 31.67 1.26 0.00 | 40.06 1.55 0.00 | 52.09 1.88 0.00 | 37.25 1.33 0.00 | 34.84 1.36 0.00 | 27.87 1.07 0.00 | 28.73 1.09 0.00 | 27.15 1.04 0.00 | 31.14 1.29 0.00 | 36.58 1.53 0.00 | 46.00 1.91 0.00 | 61.93 2.56 0.00 | 74.52 2.49 0.00 | 53.64 1.50 0.00 | 46.17 0.97 0.00 | 43.61 0.76 0.00 |
| ATHENS_STG_2 23670 | 28.67 0.70 0.00 | 28.96 0.74 0.00 | 36.42 0.85 0.00 | 30.13 0.79 0.00 | 28.25 0.78 0.00 | 33.90 0.92 0.00 | 28.29 1.14 0.00 | 29.19 1.22 0.00 | 31.67 1.26 0.00 | 40.06 1.55 0.00 | 52.09 1.88 0.00 | 37.25 1.33 0.00 | 34.84 1.36 0.00 | 27.87 1.07 0.00 | 28.73 1.09 0.00 | 27.15 1.04 0.00 | 31.14 1.29 0.00 | 36.58 1.53 0.00 | 46.00 1.91 0.00 | 61.93 2.56 0.00 | 74.52 2.49 0.00 | 53.64 1.50 0.00 | 46.17 0.97 0.00 | 43.61 0.76 0.00 |
| ATHENS_STG_3 23677 | 28.67 0.70 0.00 | 28.96 0.74 0.00 | 36.42 0.85 0.00 | 30.13 0.79 0.00 | 28.25 0.78 0.00 | 33.90 0.92 0.00 | 28.29 1.14 0.00 | 29.19 1.22 0.00 | 31.67 1.26 0.00 | 40.06 1.55 0.00 | 52.09 1.88 0.00 | 37.25 1.33 0.00 | 34.84 1.36 0.00 | 27.87 1.07 0.00 | 28.73 1.09 0.00 | 27.15 1.04 0.00 | 31.14 1.29 0.00 | 36.58 1.53 0.00 | 46.00 1.91 0.00 | 61.93 2.56 0.00 | 74.52 2.49 0.00 | 53.64 1.50 0.00 | 46.17 0.97 0.00 | 43.61 0.76 0.00 |
| AUBURN___LFGE 323710 | 27.73 -0.24 0.00 | 28.00 -0.22 0.00 | 35.34 -0.23 0.00 | 29.00 -0.34 0.00 | 27.25 -0.22 0.00 | 32.79 -0.19 0.00 | 27.18 0.03 0.00 | 27.86 -0.12 0.00 | 30.30 -0.12 0.00 | 38.41 -0.10 0.00 | 49.87 -0.34 0.00 | 35.72 -0.21 0.00 | 33.21 -0.26 0.00 | 26.45 -0.35 0.00 | 27.29 -0.36 0.00 | 25.81 -0.30 0.00 | 29.62 -0.23 0.00 | 34.91 -0.14 0.00 | 44.06 -0.03 0.00 | 59.27 -0.10 0.00 | 71.98 -0.05 0.00 | 52.09 -0.05 0.00 | 45.19 -0.01 0.00 | 42.91 0.06 0.00 |
| BABYLON_RES_REC 323704 | 32.79 1.58 -3.24 | 32.00 1.62 -2.16 | 37.34 1.77 0.00 | 30.86 1.52 0.00 | 28.96 1.49 0.00 | 35.31 1.92 -0.41 | 28.93 1.78 0.00 | 29.91 1.94 0.00 | 32.65 2.23 0.00 | 41.47 2.96 0.00 | 53.80 3.59 0.00 | 44.05 2.98 -5.14 | 41.41 3.01 -4.92 | 29.50 2.30 -0.40 | 30.50 2.31 -0.54 | 28.24 2.12 0.00 | 32.07 2.22 0.00 | 37.52 2.47 0.00 | 47.54 3.45 0.00 | 63.82 4.45 0.00 | 77.22 4.94 -0.25 | 55.41 3.28 0.00 | 48.75 2.65 -0.90 | 45.05 2.06 -0.13 |
| BABYLON__69_KV_BK2 356345 | 32.72 1.80 -2.96 | 32.02 1.83 -1.97 | 37.60 2.04 0.00 | 31.09 1.76 0.00 | 29.17 1.70 0.00 | 35.53 2.18 -0.37 | 29.14 1.98 0.00 | 30.14 2.16 0.00 | 32.91 2.49 0.00 | 41.82 3.31 0.00 | 54.26 4.05 0.00 | 43.99 3.37 -4.70 | 41.45 3.39 -4.58 | 29.74 2.58 -0.36 | 30.71 2.58 -0.49 | 28.50 2.38 0.00 | 32.38 2.53 0.00 | 37.85 2.80 0.00 | 47.98 3.89 0.00 | 64.41 5.04 0.00 | 77.97 5.72 -0.23 | 56.01 3.87 0.00 | 49.13 3.12 -0.81 | 45.44 2.46 -0.12 |
| BALL_HILL_WT_PWR 323825 | 24.84 -2.67 0.46 | 23.90 -2.48 1.84 | 32.86 -2.71 0.00 | 26.72 -2.61 0.00 | 24.91 -2.56 0.00 | 29.03 -2.82 1.13 | 21.91 -2.06 3.18 | 23.00 -2.10 2.87 | 25.26 -1.89 3.26 | 31.71 -2.50 4.30 | 41.63 -3.33 5.25 | 29.66 -2.20 4.07 | 27.36 -2.03 4.09 | 24.10 -1.77 0.93 | 25.97 -1.67 0.00 | 24.46 -1.65 0.00 | 27.95 -1.65 0.25 | 29.76 -1.58 3.71 | 37.15 -1.77 5.17 | 50.61 -2.69 6.08 | 63.62 -3.01 5.41 | 49.63 -2.20 0.31 | 43.60 -1.60 0.00 | 41.53 -1.33 0.00 |
| BARON_WINDS___WT_PWR 323822 | 17.99 -2.55 7.43 | -4.22 -2.52 29.92 | 32.60 -2.97 0.00 | 26.72 -2.61 0.00 | 25.10 -2.37 0.00 | 11.86 -2.77 18.34 | -26.64 -2.03 51.76 | -20.21 -2.05 46.13 | -24.21 -2.15 52.47 | -33.41 -2.79 69.13 | -37.98 -3.74 84.45 | -32.22 -2.65 65.48 | -34.83 -2.53 65.77 | 9.63 -2.13 15.04 | 25.68 -1.96 0.00 | 24.02 -2.09 0.00 | 23.80 -2.12 3.93 | -26.93 -2.35 59.64 | -41.38 -2.54 82.93 | -42.21 -3.94 97.65 | -19.51 -4.75 86.79 | 43.68 -3.49 4.97 | 42.34 -2.85 0.00 | 40.38 -2.48 0.00 |
| BARRETT_IC_1 23704 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |
| BARRETT_IC_10 23701 | 56.86 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.75 1.77 0.00 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 57.21 2.61 -18.68 | 56.66 2.62 -20.55 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.11 3.01 0.00 | 63.20 3.82 0.00 | 77.12 4.13 -0.96 | 54.88 2.73 -0.01 | 51.25 2.12 -3.94 | 45.90 1.70 -1.34 |
| BARRETT_IC_11 23702 | 56.86 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.75 1.77 0.00 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 57.21 2.61 -18.68 | 56.66 2.62 -20.55 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.11 3.01 0.00 | 63.20 3.82 0.00 | 77.12 4.13 -0.96 | 54.88 2.73 -0.01 | 51.25 2.12 -3.94 | 45.90 1.70 -1.34 |
| BARRETT_IC_12 23703 | 56.86 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.75 1.77 0.00 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 57.21 2.61 -18.68 | 56.66 2.62 -20.55 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.11 3.01 0.00 | 63.20 3.82 0.00 | 77.12 4.13 -0.96 | 54.88 2.73 -0.01 | 51.25 2.12 -3.94 | 45.90 1.70 -1.34 |
| BARRETT_IC_2 23705 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |
| BARRETT_IC_3 23706 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |
| BARRETT_IC_4 23707 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |

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| BARRETT_IC_5 23708 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |
| BARRETT_IC_6 23709 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |
| BARRETT_IC_7 23710 | 56.88 1.37 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.78 1.40 -0.05 | 28.89 1.37 -0.05 | 38.26 1.75 -3.54 | 28.85 1.66 -0.04 | 29.76 1.78 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.86 2.61 -48.32 | 71.79 2.63 -35.68 | 32.74 2.05 -3.89 | 35.10 2.14 -5.32 | 27.96 1.85 0.00 | 31.86 2.01 0.00 | 37.23 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.92 2.74 -0.04 | 56.87 2.12 -9.55 | 45.89 1.69 -1.34 |
| BARRETT_IC_8 23711 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |
| BARRETT_IC_9 23700 | 56.86 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.75 1.77 0.00 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 57.21 2.61 -18.68 | 56.66 2.62 -20.55 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.11 3.01 0.00 | 63.20 3.82 0.00 | 77.12 4.13 -0.96 | 54.88 2.73 -0.01 | 51.25 2.12 -3.94 | 45.90 1.70 -1.34 |
| BARRETT___1 23545 | 56.87 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.76 1.77 -0.01 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 86.85 2.61 -48.32 | 71.78 2.62 -35.68 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.12 3.01 -0.02 | 63.20 3.82 -0.01 | 78.85 4.13 -2.68 | 54.91 2.73 -0.04 | 56.87 2.12 -9.55 | 45.90 1.70 -1.34 |
| BARRETT___2 23546 | 56.86 1.36 -27.54 | 48.04 1.44 -18.38 | 37.22 1.60 -0.05 | 30.77 1.39 -0.05 | 28.89 1.37 -0.05 | 38.27 1.76 -3.54 | 28.85 1.66 -0.04 | 29.75 1.77 0.00 | 32.38 1.96 0.00 | 41.06 2.55 0.00 | 53.34 3.13 0.00 | 57.21 2.61 -18.68 | 56.66 2.62 -20.55 | 32.75 2.06 -3.89 | 35.10 2.13 -5.32 | 27.95 1.84 0.00 | 31.86 2.01 0.00 | 37.22 2.17 0.00 | 47.11 3.01 0.00 | 63.20 3.82 0.00 | 77.12 4.13 -0.96 | 54.88 2.73 -0.01 | 51.25 2.12 -3.94 | 45.90 1.70 -1.34 |
| BATAVIA__115KV_TB1 55881 | 25.71 -1.69 0.57 | 24.20 -1.73 2.29 | 33.65 -1.92 0.00 | 27.44 -1.90 0.00 | 25.77 -1.70 0.00 | 29.73 -1.85 1.40 | 21.84 -1.35 3.96 | 22.94 -1.47 3.56 | 25.08 -1.29 4.04 | 31.66 -1.53 5.33 | 41.55 -2.15 6.50 | 29.66 -1.22 5.04 | 26.72 -1.70 5.07 | 24.38 -1.26 1.16 | 26.64 -1.01 0.00 | 25.06 -1.05 0.00 | 28.45 -1.10 0.30 | 29.24 -1.21 4.60 | 36.43 -1.27 6.40 | 50.11 -1.73 7.53 | 63.41 -1.93 6.69 | 50.47 -1.28 0.38 | 44.43 -0.76 0.00 | 42.38 -0.48 0.00 |
| BAYONEEC___CTG1 323682 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG10 323750 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG2 323683 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG3 323684 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG4 323685 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG5 323686 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG6 323687 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |

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| BAYONEEC___CTG7 323688 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG8 323689 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BAYONEEC___CTG9 323749 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.41 0.00 | 30.59 1.25 0.00 | 28.68 1.21 0.00 | 34.54 1.56 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.75 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.63 0.00 | 36.17 2.69 0.00 | 28.91 2.11 0.00 | 29.79 2.15 0.00 | 28.07 1.96 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.44 3.35 0.00 | 63.73 4.36 0.00 | 76.53 4.50 0.00 | 54.94 2.81 0.00 | 47.22 2.03 0.00 | 44.52 1.66 0.00 |
| BEACON___LESR 323632 | 28.80 0.84 0.00 | 29.05 0.83 0.00 | 36.54 0.97 0.00 | 30.15 0.81 0.00 | 28.31 0.84 0.00 | 34.09 1.12 0.00 | 28.45 1.30 0.00 | 29.11 1.14 0.00 | 31.35 0.93 0.00 | 39.78 1.27 0.00 | 51.68 1.47 0.00 | 36.79 0.87 0.00 | 34.41 0.93 0.00 | 27.50 0.70 0.00 | 28.41 0.77 0.00 | 26.99 0.88 0.00 | 31.11 1.26 0.00 | 36.47 1.42 0.00 | 46.10 2.00 0.00 | 61.91 2.54 0.00 | 74.47 2.43 0.00 | 53.49 1.36 0.00 | 46.03 0.83 0.00 | 43.46 0.61 0.00 |
| BEAVER RIVER___HYD 24048 | 27.03 -0.94 0.00 | 27.06 -1.16 0.00 | 35.62 -1.67 -1.72 | 28.93 -1.43 -1.02 | 28.91 -1.32 -2.75 | 34.21 -1.41 -2.65 | 29.20 -0.91 -2.95 | 29.99 -0.92 -2.93 | 31.64 -0.81 -2.04 | 39.29 -0.40 -1.18 | 49.00 -1.21 0.00 | 34.43 -1.49 0.00 | 31.66 -1.82 0.00 | 25.52 -1.28 0.00 | 26.34 -1.30 0.00 | 24.90 -1.21 0.00 | 28.57 -1.29 0.00 | 33.72 -1.33 0.00 | 43.13 -1.24 -0.28 | 62.58 -1.47 -4.67 | 72.07 -0.42 -0.46 | 51.36 -0.78 0.00 | 44.78 -0.42 0.00 | 42.27 -0.59 0.00 |
| BEEBEE_GT_13 23619 | 26.68 -1.29 0.00 | 26.92 -1.30 0.00 | 34.08 -1.50 0.00 | 27.87 -1.47 0.00 | 26.16 -1.32 0.00 | 31.54 -1.43 0.00 | 26.09 -1.06 0.00 | 26.80 -1.17 0.00 | 29.36 -1.06 0.00 | 37.27 -1.24 0.00 | 48.48 -1.73 0.00 | 34.90 -1.03 0.00 | 32.27 -1.21 0.00 | 25.82 -0.97 0.00 | 26.85 -0.80 0.00 | 25.32 -0.79 0.00 | 28.95 -0.91 0.00 | 34.04 -1.01 0.00 | 42.98 -1.11 0.00 | 57.85 -1.53 0.00 | 70.22 -1.81 0.00 | 50.89 -1.24 0.00 | 44.35 -0.85 0.00 | 42.16 -0.69 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 46.42 1.63 -16.82 | 45.61 1.64 -15.75 | 45.66 1.94 -8.14 | 46.93 1.66 -15.94 | 45.09 1.62 -15.99 | 45.69 2.05 -10.67 | 45.61 2.22 -16.24 | 45.95 2.59 -15.39 | 46.33 2.83 -13.08 | 48.13 3.52 -6.10 | 60.00 4.27 -5.51 | 49.03 3.24 -9.87 | 64.93 3.24 -28.21 | 53.75 2.52 -24.44 | 66.32 2.58 -36.10 | 46.40 2.40 -17.90 | 49.77 2.80 -17.12 | 49.86 3.21 -11.60 | 55.97 4.01 -7.87 | 70.77 5.29 -6.11 | 78.94 5.64 -1.27 | 61.82 3.62 -6.06 | 49.41 2.74 -1.47 | 51.70 2.32 -6.53 |
| BETHLEHEM___GRP 23843 | 28.42 0.45 0.00 | 28.68 0.46 0.00 | 36.07 0.50 0.00 | 29.82 0.48 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 28.03 0.88 0.00 | 28.70 0.73 0.00 | 30.88 0.46 0.00 | 39.04 0.53 0.00 | 50.78 0.57 0.00 | 36.25 0.32 0.00 | 33.92 0.44 0.00 | 27.16 0.37 0.00 | 28.06 0.41 0.00 | 26.63 0.52 0.00 | 30.64 0.79 0.00 | 35.96 0.91 0.00 | 45.13 1.03 0.00 | 60.77 1.39 0.00 | 73.08 1.05 0.00 | 52.64 0.50 0.00 | 45.27 0.07 0.00 | 42.78 -0.08 0.00 |
| BETHLEHEM___GS1 323560 | 28.41 0.45 0.00 | 28.68 0.46 0.00 | 36.07 0.50 0.00 | 29.82 0.48 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 28.03 0.88 0.00 | 28.70 0.72 0.00 | 30.87 0.46 0.00 | 39.03 0.52 0.00 | 50.77 0.56 0.00 | 36.23 0.31 0.00 | 33.89 0.41 0.00 | 27.16 0.36 0.00 | 28.06 0.41 0.00 | 26.63 0.52 0.00 | 30.64 0.79 0.00 | 35.94 0.89 0.00 | 45.12 1.03 0.00 | 60.76 1.39 0.00 | 73.08 1.05 0.00 | 52.64 0.50 0.00 | 45.27 0.07 0.00 | 42.78 -0.08 0.00 |
| BETHLEHEM___GS2 323561 | 28.41 0.45 0.00 | 28.68 0.46 0.00 | 36.07 0.50 0.00 | 29.82 0.48 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 28.03 0.88 0.00 | 28.70 0.72 0.00 | 30.87 0.46 0.00 | 39.03 0.52 0.00 | 50.77 0.56 0.00 | 36.23 0.31 0.00 | 33.89 0.41 0.00 | 27.16 0.36 0.00 | 28.06 0.41 0.00 | 26.63 0.52 0.00 | 30.64 0.79 0.00 | 35.94 0.89 0.00 | 45.12 1.03 0.00 | 60.76 1.39 0.00 | 73.08 1.05 0.00 | 52.64 0.50 0.00 | 45.27 0.07 0.00 | 42.78 -0.08 0.00 |
| BETHLEHEM___GS3 323562 | 28.41 0.45 0.00 | 28.68 0.46 0.00 | 36.07 0.50 0.00 | 29.82 0.48 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 28.03 0.88 0.00 | 28.70 0.72 0.00 | 30.87 0.46 0.00 | 39.03 0.52 0.00 | 50.77 0.56 0.00 | 36.23 0.31 0.00 | 33.89 0.41 0.00 | 27.16 0.36 0.00 | 28.06 0.41 0.00 | 26.63 0.52 0.00 | 30.64 0.79 0.00 | 35.94 0.89 0.00 | 45.12 1.03 0.00 | 60.76 1.39 0.00 | 73.08 1.05 0.00 | 52.64 0.50 0.00 | 45.27 0.07 0.00 | 42.78 -0.08 0.00 |
| BETHLEHEM___STEEL 23779 | 25.09 -2.30 0.57 | 23.61 -2.31 2.31 | 33.00 -2.57 0.00 | 26.84 -2.49 0.00 | 25.18 -2.29 0.00 | 28.98 -2.58 1.41 | 21.13 -2.03 3.99 | 22.12 -2.19 3.66 | 24.25 -2.01 4.16 | 30.63 -2.40 5.48 | 40.35 -3.17 6.69 | 28.78 -1.96 5.19 | 26.20 -2.06 5.21 | 23.90 -1.71 1.19 | 26.17 -1.47 0.00 | 24.63 -1.48 0.00 | 27.84 -1.70 0.31 | 28.32 -2.01 4.73 | 35.22 -2.29 6.58 | 48.44 -3.19 7.75 | 61.56 -3.58 6.89 | 49.33 -2.41 0.39 | 43.54 -1.66 0.00 | 41.57 -1.29 0.00 |
| BETHLHEM_115KV_TB1 79974 | 28.45 0.48 0.00 | 28.71 0.49 0.00 | 36.12 0.55 0.00 | 29.86 0.53 0.00 | 28.02 0.54 0.00 | 33.63 0.65 0.00 | 28.06 0.91 0.00 | 28.75 0.77 0.00 | 30.96 0.55 0.00 | 39.15 0.64 0.00 | 50.93 0.72 0.00 | 36.36 0.43 0.00 | 34.02 0.54 0.00 | 27.23 0.43 0.00 | 28.12 0.48 0.00 | 26.69 0.58 0.00 | 30.70 0.85 0.00 | 36.04 0.99 0.00 | 45.25 1.16 0.00 | 60.94 1.57 0.00 | 73.29 1.26 0.00 | 52.79 0.66 0.00 | 45.41 0.21 0.00 | 42.91 0.05 0.00 |
| BETHPAGE_CC_5 323564 | 33.98 1.59 -4.42 | 32.80 1.64 -2.95 | 37.37 1.80 0.00 | 30.89 1.56 0.00 | 28.96 1.49 0.00 | 35.42 1.89 -0.56 | 28.87 1.72 0.00 | 29.80 1.82 0.00 | 32.50 2.08 0.00 | 41.24 2.74 0.00 | 53.54 3.32 0.00 | 45.37 2.78 -6.66 | 42.37 2.80 -6.09 | 29.51 2.17 -0.54 | 30.58 2.20 -0.73 | 28.09 1.98 0.00 | 31.91 2.06 0.00 | 37.31 2.26 0.00 | 47.22 3.12 0.00 | 63.41 4.04 0.00 | 76.77 4.41 -0.33 | 55.08 2.94 0.00 | 48.92 2.52 -1.21 | 45.03 1.99 -0.18 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 25.19 -2.26 0.53 | 23.83 -2.27 2.12 | 33.05 -2.53 0.00 | 26.89 -2.44 0.00 | 25.23 -2.24 0.00 | 29.15 -2.53 1.30 | 21.52 -1.97 3.67 | 22.57 -2.10 3.30 | 24.74 -1.93 3.75 | 31.24 -2.33 4.94 | 41.08 -3.09 6.04 | 29.32 -1.91 4.68 | 26.76 -2.01 4.71 | 24.07 -1.65 1.08 | 26.24 -1.40 0.00 | 24.70 -1.41 0.00 | 27.93 -1.64 0.28 | 28.85 -1.93 4.27 | 35.92 -2.23 5.94 | 49.30 -3.08 6.99 | 62.38 -3.44 6.22 | 49.47 -2.31 0.36 | 43.62 -1.58 0.00 | 41.64 -1.21 0.00 |

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| BINGHAMTON___COGEN 23790 | 27.44 -0.53 0.00 | 27.69 -0.52 0.00 | 34.96 -0.61 0.00 | 28.79 -0.55 0.00 | 26.98 -0.49 0.00 | 32.50 -0.48 0.00 | 26.96 -0.20 0.00 | 27.77 -0.20 0.00 | 30.22 -0.20 0.00 | 38.25 -0.25 0.00 | 49.77 -0.43 0.00 | 35.69 -0.23 0.00 | 33.28 -0.20 0.00 | 26.52 -0.28 0.00 | 27.37 -0.27 0.00 | 25.80 -0.31 0.00 | 29.61 -0.24 0.00 | 34.93 -0.12 0.00 | 44.08 -0.01 0.00 | 59.23 -0.14 0.00 | 71.73 -0.31 0.00 | 51.78 -0.35 0.00 | 44.82 -0.38 0.00 | 42.53 -0.33 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 25.09 -2.63 0.25 | 24.54 -2.68 1.00 | 32.64 -2.94 0.00 | 26.66 -2.67 0.00 | 24.95 -2.52 0.00 | 29.29 -3.07 0.61 | 23.39 -2.04 1.72 | 24.66 -1.83 1.49 | 26.71 -2.02 1.69 | 33.44 -2.84 2.22 | 43.53 -3.96 2.71 | 31.07 -2.75 2.10 | 28.61 -2.75 2.11 | 24.22 -2.10 0.48 | 26.01 -1.64 0.00 | 24.41 -1.69 0.00 | 27.68 -2.05 0.13 | 30.66 -2.47 1.92 | 38.20 -3.22 2.67 | 52.31 -3.91 3.15 | 65.12 -4.12 2.80 | 49.09 -2.89 0.16 | 43.17 -2.03 0.00 | 41.36 -1.50 0.00 |
| BLACK RIVER___HYD 24047 | 27.05 -0.92 0.00 | 27.07 -1.16 0.00 | 35.10 -1.68 -1.20 | 28.61 -1.44 -0.71 | 28.08 -1.31 -1.92 | 33.46 -1.36 -1.85 | 28.41 -0.81 -2.06 | 29.21 -0.81 -2.05 | 31.20 -0.64 -1.42 | 39.29 -0.04 -0.82 | 49.09 -1.12 0.00 | 34.30 -1.62 0.00 | 31.37 -2.10 0.00 | 25.60 -1.20 0.00 | 26.46 -1.18 0.00 | 25.07 -1.04 0.00 | 28.80 -1.05 0.00 | 34.06 -0.99 0.00 | 43.49 -0.80 -0.19 | 61.65 -1.00 -3.26 | 72.30 -0.05 -0.32 | 51.49 -0.64 0.00 | 44.95 -0.25 0.00 | 42.37 -0.49 0.00 |
| BLACKRVR_115KV_TB2 79977 | 27.05 -0.92 0.00 | 27.06 -1.16 0.00 | 35.10 -1.68 -1.20 | 28.61 -1.44 -0.71 | 28.08 -1.31 -1.92 | 33.46 -1.36 -1.85 | 28.40 -0.81 -2.06 | 29.21 -0.81 -2.05 | 31.20 -0.64 -1.42 | 39.29 -0.04 -0.82 | 49.09 -1.12 0.00 | 34.30 -1.63 0.00 | 31.37 -2.11 0.00 | 25.60 -1.20 0.00 | 26.46 -1.18 0.00 | 25.07 -1.04 0.00 | 28.80 -1.05 0.00 | 34.06 -1.00 0.00 | 43.49 -0.80 -0.19 | 61.65 -0.99 -3.26 | 72.30 -0.05 -0.32 | 51.49 -0.64 0.00 | 44.95 -0.25 0.00 | 42.36 -0.49 0.00 |
| BLISS_WT_PWR 323608 | 24.90 -2.82 0.25 | 24.35 -2.87 1.00 | 32.40 -3.17 0.00 | 26.49 -2.84 0.00 | 24.78 -2.69 0.00 | 29.04 -3.32 0.61 | 23.29 -2.14 1.72 | 24.66 -1.83 1.49 | 26.60 -2.13 1.69 | 33.19 -3.10 2.22 | 43.13 -4.37 2.71 | 30.75 -3.07 2.10 | 28.36 -3.00 2.11 | 24.01 -2.31 0.48 | 25.84 -1.80 0.00 | 24.26 -1.85 0.00 | 27.48 -2.25 0.13 | 30.44 -2.69 1.92 | 37.78 -3.64 2.67 | 51.92 -4.30 3.15 | 64.71 -4.53 2.80 | 48.76 -3.22 0.16 | 42.88 -2.31 0.00 | 41.15 -1.70 0.00 |
| BLUESTONE___WT_PWR 323821 | 26.73 -1.24 0.00 | 26.80 -1.42 0.00 | 33.73 -1.84 0.00 | 27.76 -1.58 0.00 | 25.99 -1.48 0.00 | 31.53 -1.44 0.00 | 26.50 -0.65 0.00 | 27.39 -0.58 0.00 | 29.70 -0.72 0.00 | 37.65 -0.86 0.00 | 49.38 -0.83 0.00 | 35.72 -0.20 0.00 | 33.11 -0.37 0.00 | 25.84 -0.96 0.00 | 26.38 -1.27 0.00 | 25.00 -1.11 0.00 | 28.77 -1.08 0.00 | 34.37 -0.69 0.00 | 44.21 0.12 0.00 | 60.11 0.73 0.00 | 71.35 -0.68 0.00 | 51.27 -0.87 0.00 | 43.65 -1.54 0.00 | 41.62 -1.24 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 28.66 0.69 0.00 | 28.94 0.72 0.00 | 36.43 0.86 0.00 | 30.11 0.78 0.00 | 28.25 0.78 0.00 | 33.91 0.93 0.00 | 28.29 1.13 0.00 | 28.97 0.99 0.00 | 31.27 0.86 0.00 | 39.50 0.99 0.00 | 51.33 1.12 0.00 | 36.59 0.67 0.00 | 34.21 0.73 0.00 | 27.31 0.51 0.00 | 28.17 0.52 0.00 | 26.72 0.61 0.00 | 30.81 0.96 0.00 | 36.32 1.27 0.00 | 45.63 1.53 0.00 | 61.51 2.14 0.00 | 74.01 1.98 0.00 | 53.34 1.20 0.00 | 45.92 0.73 0.00 | 43.43 0.57 0.00 |
| BOC_GAS_DRP 24189 | 28.48 0.52 0.00 | 28.77 0.55 0.00 | 36.20 0.62 0.00 | 29.93 0.60 0.00 | 28.07 0.60 0.00 | 33.68 0.71 0.00 | 28.09 0.94 0.00 | 28.83 0.85 0.00 | 31.19 0.77 0.00 | 39.43 0.92 0.00 | 51.30 1.08 0.00 | 36.65 0.73 0.00 | 34.28 0.80 0.00 | 27.42 0.62 0.00 | 28.31 0.66 0.00 | 26.83 0.73 0.00 | 30.83 0.98 0.00 | 36.20 1.15 0.00 | 45.50 1.40 0.00 | 61.25 1.88 0.00 | 73.74 1.71 0.00 | 53.13 1.00 0.00 | 45.76 0.56 0.00 | 43.25 0.40 0.00 |
| BOONVILLE_115KV_TB1 79983 | 27.89 -0.08 0.00 | 28.04 -0.18 0.00 | 35.91 -0.33 -0.67 | 29.44 -0.29 -0.40 | 28.31 -0.24 -1.08 | 33.83 -0.18 -1.04 | 28.37 0.06 -1.16 | 29.18 0.06 -1.15 | 31.40 0.18 -0.80 | 39.49 0.52 -0.46 | 50.48 0.27 0.00 | 35.77 -0.16 0.00 | 33.19 -0.29 0.00 | 26.58 -0.22 0.00 | 27.41 -0.23 0.00 | 25.89 -0.22 0.00 | 29.75 -0.10 0.00 | 35.12 0.07 0.00 | 44.58 0.37 -0.11 | 61.80 0.58 -1.84 | 73.40 1.19 -0.18 | 52.67 0.53 0.00 | 45.68 0.49 0.00 | 43.19 0.34 0.00 |
| BORALEX_4TH_BRANCH 23824 | 29.26 1.29 0.00 | 29.54 1.32 0.00 | 37.11 1.53 0.00 | 30.66 1.33 0.00 | 28.78 1.31 0.00 | 34.69 1.72 0.00 | 28.92 1.77 0.00 | 30.00 2.03 0.00 | 32.70 2.28 0.00 | 41.55 3.05 0.00 | 53.96 3.75 0.00 | 38.40 2.48 0.00 | 35.85 2.37 0.00 | 28.75 1.95 0.00 | 29.58 1.93 0.00 | 27.46 1.35 0.00 | 31.46 1.61 0.00 | 37.07 2.02 0.00 | 46.68 2.59 0.00 | 62.93 3.56 0.00 | 75.55 3.52 0.00 | 54.36 2.22 0.00 | 46.58 1.38 0.00 | 43.94 1.08 0.00 |
| BOWLINE___1 23526 | 28.89 0.91 0.00 | 29.14 0.92 0.00 | 36.63 1.06 0.00 | 30.28 0.94 0.00 | 28.40 0.93 0.00 | 34.17 1.19 0.00 | 28.60 1.45 0.00 | 29.70 1.73 0.00 | 32.26 1.84 0.00 | 40.79 2.28 0.00 | 52.99 2.78 0.00 | 37.98 2.06 0.00 | 35.59 2.11 0.00 | 28.45 1.65 0.00 | 29.29 1.64 0.00 | 27.65 1.54 0.00 | 31.70 1.85 0.00 | 37.22 2.17 0.00 | 46.84 2.75 0.00 | 62.96 3.58 0.00 | 75.62 3.59 0.00 | 54.35 2.21 0.00 | 46.70 1.50 0.00 | 44.05 1.19 0.00 |
| BOWLINE___2 23595 | 28.89 0.91 0.00 | 29.14 0.92 0.00 | 36.64 1.06 0.00 | 30.28 0.94 0.00 | 28.40 0.93 0.00 | 34.16 1.19 0.00 | 28.60 1.45 0.00 | 29.69 1.72 0.00 | 32.25 1.84 0.00 | 40.79 2.28 0.00 | 52.98 2.77 0.00 | 37.97 2.05 0.00 | 35.58 2.10 0.00 | 28.45 1.65 0.00 | 29.28 1.63 0.00 | 27.64 1.53 0.00 | 31.70 1.85 0.00 | 37.22 2.17 0.00 | 46.84 2.75 0.00 | 62.96 3.58 0.00 | 75.62 3.59 0.00 | 54.35 2.21 0.00 | 46.70 1.50 0.00 | 44.05 1.19 0.00 |
| BRADY___115KV_TB2 356060 | 28.23 0.26 0.00 | 28.38 0.16 0.00 | 38.04 0.27 -2.19 | 30.77 0.13 -1.30 | 31.05 0.06 -3.51 | 36.52 0.19 -3.35 | 31.06 0.17 -3.74 | 31.97 0.29 -3.71 | 33.34 0.35 -2.57 | 40.52 0.52 -1.49 | 51.13 0.92 0.00 | 36.47 0.55 0.00 | 33.86 0.38 0.00 | 27.16 0.36 0.00 | 28.00 0.35 0.00 | 26.36 0.25 0.00 | 29.96 0.11 0.00 | 34.97 -0.08 0.00 | 44.41 0.00 -0.32 | 64.97 0.11 -5.48 | 74.12 1.51 -0.58 | 53.43 1.30 0.00 | 46.54 1.34 0.00 | 44.14 1.28 0.00 |
| BRANSCOMB___SOLAR 323811 | 29.10 1.13 0.00 | 29.36 1.15 0.00 | 36.96 1.39 0.00 | 30.51 1.17 0.00 | 28.57 1.10 0.00 | 34.29 1.32 0.00 | 28.65 1.49 0.00 | 29.65 1.68 0.00 | 32.06 1.65 0.00 | 40.61 2.10 0.00 | 52.78 2.57 0.00 | 37.48 1.56 0.00 | 34.90 1.42 0.00 | 27.85 1.05 0.00 | 28.61 0.97 0.00 | 27.00 0.88 0.00 | 31.01 1.16 0.00 | 36.82 1.77 0.00 | 46.45 2.36 0.00 | 62.64 3.26 0.00 | 75.31 3.28 0.00 | 54.18 2.04 0.00 | 46.46 1.26 0.00 | 43.85 0.99 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 31.27 1.66 -1.64 | 31.02 1.71 -1.09 | 37.43 1.86 0.01 | 30.95 1.62 0.01 | 29.05 1.59 0.01 | 35.22 2.04 -0.20 | 29.00 1.85 0.01 | 30.01 2.03 0.00 | 32.76 2.34 0.00 | 41.66 3.14 0.00 | 54.03 3.81 0.00 | 42.34 3.27 -3.15 | 40.17 3.28 -3.41 | 29.51 2.50 -0.21 | 30.44 2.50 -0.29 | 28.41 2.30 0.00 | 32.27 2.42 0.00 | 37.69 2.64 0.00 | 47.78 3.69 0.00 | 64.02 4.65 0.00 | 77.39 5.22 -0.14 | 55.72 3.59 0.01 | 48.62 2.92 -0.51 | 45.21 2.28 -0.07 |

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| BRISTLHL_115KV_TB1 79998 | 27.35 -0.62 0.00 | 27.57 -0.65 0.00 | 34.78 -0.79 0.00 | 28.66 -0.68 0.00 | 26.86 -0.62 0.00 | 32.24 -0.74 0.00 | 26.62 -0.53 0.00 | 27.37 -0.60 0.00 | 29.76 -0.66 0.00 | 37.63 -0.88 0.00 | 48.94 -1.28 0.00 | 34.92 -1.01 0.00 | 32.57 -0.91 0.00 | 26.14 -0.66 0.00 | 26.92 -0.72 0.00 | 25.45 -0.66 0.00 | 29.17 -0.68 0.00 | 34.31 -0.74 0.00 | 43.26 -0.83 0.00 | 58.25 -1.13 0.00 | 70.51 -1.52 0.00 | 51.04 -1.09 0.00 | 44.31 -0.89 0.00 | 42.08 -0.78 0.00 |
| BROOKHAVEN___DRP 24191 | 30.67 1.43 -1.27 | 30.49 1.42 -0.85 | 37.03 1.46 0.01 | 30.65 1.33 0.01 | 28.79 1.32 0.01 | 34.83 1.70 -0.15 | 28.64 1.49 0.01 | 29.59 1.62 0.00 | 32.38 1.96 0.00 | 41.27 2.76 0.00 | 53.50 3.29 0.00 | 41.59 2.91 -2.75 | 39.61 3.03 -3.10 | 29.35 2.37 -0.18 | 30.21 2.32 -0.24 | 28.23 2.12 0.00 | 32.05 2.20 0.00 | 37.37 2.31 0.00 | 47.36 3.27 0.00 | 63.62 4.24 0.00 | 77.09 4.94 -0.12 | 55.44 3.31 0.01 | 48.23 2.61 -0.43 | 44.85 1.94 -0.06 |
| BROOKLYN_NAVY_YARD 23515 | 29.18 1.21 0.00 | 29.43 1.21 0.00 | 36.98 1.41 0.00 | 30.56 1.22 0.00 | 28.66 1.19 0.00 | 34.53 1.55 0.00 | 28.94 1.78 0.00 | 30.11 2.14 0.00 | 32.76 2.34 0.00 | 41.38 2.88 0.00 | 53.72 3.51 0.00 | 38.56 2.64 0.00 | 36.17 2.70 0.00 | 28.90 2.10 0.00 | 29.78 2.14 0.00 | 28.06 1.95 0.00 | 32.15 2.31 0.00 | 37.69 2.64 0.00 | 47.43 3.34 0.00 | 63.74 4.37 0.00 | 76.56 4.52 0.00 | 54.96 2.82 0.00 | 47.22 2.03 0.00 | 44.51 1.66 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| BROOKVLE_69_KV_TB1 55790 | 36.95 1.57 -7.41 | 34.77 1.62 -4.94 | 37.40 1.82 0.00 | 30.92 1.58 0.00 | 29.01 1.54 0.00 | 35.89 1.97 -0.94 | 29.12 1.97 0.00 | 30.19 2.22 0.00 | 32.88 2.47 0.00 | 41.65 3.14 0.00 | 54.07 3.86 0.00 | 51.07 3.01 -12.13 | 46.82 3.03 -10.30 | 30.14 2.34 -1.01 | 31.40 2.39 -1.37 | 28.26 2.15 0.00 | 32.29 2.44 0.00 | 37.83 2.78 0.00 | 47.76 3.67 0.00 | 64.16 4.78 0.00 | 77.84 5.18 -0.63 | 55.50 3.37 0.00 | 50.08 2.60 -2.28 | 45.30 2.10 -0.34 |
| BROOME_2_LFGE 323671 | 27.44 -0.53 0.00 | 27.69 -0.52 0.00 | 34.96 -0.61 0.00 | 28.79 -0.55 0.00 | 26.99 -0.49 0.00 | 32.49 -0.49 0.00 | 26.96 -0.19 0.00 | 27.77 -0.20 0.00 | 30.22 -0.20 0.00 | 38.25 -0.26 0.00 | 49.77 -0.44 0.00 | 35.69 -0.24 0.00 | 33.28 -0.19 0.00 | 26.52 -0.28 0.00 | 27.37 -0.28 0.00 | 25.80 -0.31 0.00 | 29.61 -0.24 0.00 | 34.93 -0.13 0.00 | 44.08 -0.01 0.00 | 59.23 -0.14 0.00 | 71.73 -0.30 0.00 | 51.78 -0.35 0.00 | 44.81 -0.38 0.00 | 42.53 -0.33 0.00 |
| BROOME___LFGE 323600 | 27.44 -0.53 0.00 | 27.69 -0.52 0.00 | 34.96 -0.61 0.00 | 28.79 -0.55 0.00 | 26.99 -0.49 0.00 | 32.49 -0.49 0.00 | 26.96 -0.19 0.00 | 27.77 -0.20 0.00 | 30.22 -0.20 0.00 | 38.25 -0.26 0.00 | 49.77 -0.44 0.00 | 35.69 -0.24 0.00 | 33.28 -0.19 0.00 | 26.52 -0.28 0.00 | 27.37 -0.28 0.00 | 25.80 -0.31 0.00 | 29.61 -0.24 0.00 | 34.93 -0.13 0.00 | 44.08 -0.01 0.00 | 59.23 -0.14 0.00 | 71.73 -0.30 0.00 | 51.78 -0.35 0.00 | 44.81 -0.38 0.00 | 42.53 -0.33 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 26.96 -1.01 0.00 | 27.02 -1.20 0.00 | 37.05 -1.60 -3.08 | 29.77 -1.39 -1.83 | 31.07 -1.32 -4.92 | 36.26 -1.44 -4.72 | 31.38 -1.04 -5.27 | 32.20 -1.00 -5.23 | 33.07 -0.98 -3.63 | 39.78 -0.84 -2.11 | 48.88 -1.33 0.00 | 34.58 -1.35 0.00 | 31.90 -1.58 0.00 | 25.63 -1.17 0.00 | 26.46 -1.19 0.00 | 24.95 -1.16 0.00 | 28.50 -1.35 0.00 | 33.49 -1.56 0.00 | 42.88 -1.71 -0.50 | 65.59 -2.12 -8.34 | 71.72 -1.13 -0.81 | 51.12 -1.02 0.00 | 44.57 -0.63 0.00 | 42.15 -0.71 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 29.45 1.48 0.00 | 29.71 1.49 0.00 | 37.32 1.75 0.00 | 30.85 1.52 0.00 | 28.93 1.46 0.00 | 34.85 1.87 0.00 | 29.23 2.08 0.00 | 30.41 2.44 0.00 | 33.08 2.66 0.00 | 41.81 3.30 0.00 | 54.29 4.08 0.00 | 38.96 3.04 0.00 | 36.56 3.08 0.00 | 29.19 2.39 0.00 | 30.08 2.44 0.00 | 28.35 2.24 0.00 | 32.47 2.62 0.00 | 38.08 3.03 0.00 | 47.92 3.83 0.00 | 64.41 5.04 0.00 | 77.38 5.35 0.00 | 55.55 3.42 0.00 | 47.71 2.52 0.00 | 44.96 2.10 0.00 |
| BURROWS___LYONSDAL 23803 | 27.62 -0.35 0.00 | 27.73 -0.49 0.00 | 35.69 -0.76 -0.88 | 29.21 -0.65 -0.52 | 28.30 -0.58 -1.41 | 33.76 -0.57 -1.36 | 28.42 -0.25 -1.51 | 29.22 -0.25 -1.50 | 31.33 -0.13 -1.04 | 39.34 0.22 -0.60 | 50.01 0.00 0.00 | 35.36 -0.56 0.00 | 32.75 -0.73 0.00 | 26.25 -0.55 0.00 | 27.06 -0.58 0.00 | 25.57 -0.54 0.00 | 29.37 -0.48 0.00 | 34.68 -0.37 0.00 | 44.12 -0.11 -0.14 | 61.73 -0.04 -2.39 | 73.01 0.74 -0.23 | 52.29 0.16 0.00 | 45.41 0.22 0.00 | 42.91 0.05 0.00 |
| CAITHNESS_CC_1 323624 | 30.66 1.42 -1.27 | 30.47 1.41 -0.84 | 37.02 1.46 0.01 | 30.64 1.31 0.01 | 28.79 1.33 0.01 | 34.83 1.69 -0.15 | 28.64 1.49 0.01 | 29.59 1.61 0.00 | 32.37 1.95 0.00 | 41.23 2.72 0.00 | 53.46 3.25 0.00 | 41.55 2.88 -2.75 | 39.55 2.97 -3.10 | 29.31 2.33 -0.18 | 30.17 2.28 -0.24 | 28.20 2.09 0.00 | 32.02 2.17 0.00 | 37.34 2.29 0.00 | 47.32 3.23 0.00 | 63.54 4.17 0.00 | 76.95 4.80 -0.12 | 55.35 3.22 0.01 | 48.18 2.56 -0.42 | 44.81 1.90 -0.06 |
| CALPINE BETH_PAGE_GT4 24209 | 34.93 1.58 -5.38 | 33.43 1.63 -3.59 | 37.36 1.79 0.00 | 30.89 1.56 0.00 | 28.97 1.50 0.00 | 35.57 1.91 -0.68 | 28.86 1.71 0.00 | 29.80 1.82 0.00 | 32.50 2.08 0.00 | 41.23 2.73 0.00 | 53.51 3.30 0.00 | 46.66 2.75 -7.99 | 43.47 2.79 -7.20 | 29.63 2.14 -0.69 | 30.76 2.18 -0.94 | 28.04 1.93 0.00 | 31.86 2.02 0.00 | 37.27 2.22 0.00 | 47.17 3.08 0.00 | 63.37 4.00 0.00 | 76.78 4.34 -0.41 | 54.99 2.86 0.00 | 49.11 2.44 -1.47 | 44.99 1.91 -0.23 |
| CALPINE_BETH_PAGE_GT_4 323586 | 34.93 1.58 -5.38 | 33.44 1.63 -3.59 | 37.37 1.79 0.00 | 30.88 1.55 0.00 | 28.97 1.49 0.00 | 35.57 1.90 -0.68 | 28.86 1.71 0.00 | 29.80 1.82 0.00 | 32.49 2.08 0.00 | 41.23 2.72 0.00 | 53.51 3.30 0.00 | 46.66 2.75 -7.99 | 43.45 2.77 -7.20 | 29.62 2.14 -0.69 | 30.76 2.17 -0.94 | 28.04 1.93 0.00 | 31.88 2.03 0.00 | 37.28 2.23 0.00 | 47.17 3.08 0.00 | 63.37 3.99 0.00 | 76.78 4.34 -0.41 | 54.98 2.85 0.00 | 49.11 2.43 -1.47 | 45.00 1.91 -0.23 |
| CALPINE_BP_GT1 23823 | 34.93 1.58 -5.38 | 33.44 1.63 -3.59 | 37.37 1.79 0.00 | 30.88 1.55 0.00 | 28.97 1.49 0.00 | 35.57 1.90 -0.68 | 28.86 1.71 0.00 | 29.80 1.82 0.00 | 32.49 2.08 0.00 | 41.23 2.72 0.00 | 53.51 3.30 0.00 | 46.66 2.75 -7.99 | 43.45 2.77 -7.20 | 29.62 2.14 -0.69 | 30.76 2.17 -0.94 | 28.04 1.93 0.00 | 31.88 2.03 0.00 | 37.28 2.23 0.00 | 47.17 3.08 0.00 | 63.37 3.99 0.00 | 76.78 4.34 -0.41 | 54.98 2.85 0.00 | 49.11 2.43 -1.47 | 45.00 1.91 -0.23 |
| CALSPAN___DRP 24200 | 25.09 -2.30 0.57 | 23.61 -2.31 2.31 | 33.00 -2.57 0.00 | 26.84 -2.49 0.00 | 25.18 -2.29 0.00 | 28.98 -2.58 1.41 | 21.13 -2.03 3.99 | 22.12 -2.19 3.66 | 24.25 -2.01 4.16 | 30.63 -2.40 5.48 | 40.35 -3.17 6.69 | 28.78 -1.96 5.19 | 26.20 -2.06 5.21 | 23.90 -1.71 1.19 | 26.17 -1.47 0.00 | 24.63 -1.48 0.00 | 27.84 -1.70 0.31 | 28.32 -2.01 4.73 | 35.22 -2.29 6.58 | 48.44 -3.19 7.75 | 61.56 -3.58 6.89 | 49.33 -2.41 0.39 | 43.54 -1.66 0.00 | 41.57 -1.29 0.00 |

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| CALVERTON___SOLAR 323806 | 30.72 1.47 -1.28 | 30.49 1.42 -0.85 | 37.02 1.45 0.01 | 30.64 1.31 0.01 | 28.79 1.33 0.01 | 34.84 1.70 -0.15 | 28.63 1.48 0.01 | 29.59 1.61 0.00 | 32.38 1.96 0.00 | 41.28 2.77 0.00 | 53.51 3.30 0.00 | 41.60 2.91 -2.76 | 39.63 3.05 -3.10 | 29.39 2.41 -0.18 | 30.23 2.34 -0.24 | 28.25 2.14 0.00 | 32.08 2.23 0.00 | 37.40 2.35 0.00 | 47.38 3.29 0.00 | 63.68 4.31 0.00 | 77.25 5.10 -0.12 | 55.54 3.41 0.01 | 48.31 2.69 -0.43 | 44.92 2.00 -0.06 |
| CANDIGU_WT_PWR 323617 | 17.99 -2.55 7.43 | -4.22 -2.52 29.92 | 32.60 -2.97 0.00 | 26.72 -2.61 0.00 | 25.10 -2.37 0.00 | 11.86 -2.77 18.34 | -26.64 -2.03 51.76 | -20.21 -2.05 46.13 | -24.21 -2.15 52.47 | -33.41 -2.79 69.13 | -37.98 -3.74 84.45 | -32.22 -2.65 65.48 | -34.83 -2.53 65.77 | 9.63 -2.13 15.04 | 25.68 -1.96 0.00 | 24.02 -2.09 0.00 | 23.80 -2.12 3.93 | -26.93 -2.35 59.64 | -41.38 -2.54 82.93 | -42.21 -3.94 97.65 | -19.51 -4.75 86.79 | 43.68 -3.49 4.97 | 42.34 -2.85 0.00 | 40.38 -2.48 0.00 |
| CARR STREET_E_SYR 24060 | 27.56 -0.42 0.00 | 27.80 -0.42 0.00 | 35.06 -0.51 0.00 | 28.88 -0.46 0.00 | 27.07 -0.40 0.00 | 32.51 -0.46 0.00 | 26.87 -0.28 0.00 | 27.63 -0.34 0.00 | 30.07 -0.35 0.00 | 38.04 -0.47 0.00 | 49.45 -0.77 0.00 | 35.42 -0.50 0.00 | 32.99 -0.49 0.00 | 26.40 -0.40 0.00 | 27.23 -0.42 0.00 | 25.74 -0.37 0.00 | 29.48 -0.37 0.00 | 34.69 -0.37 0.00 | 43.70 -0.39 0.00 | 58.81 -0.56 0.00 | 71.19 -0.84 0.00 | 51.53 -0.60 0.00 | 44.71 -0.48 0.00 | 42.46 -0.39 0.00 |
| CARTHAGE___PAPER 23857 | 27.25 -0.72 0.00 | 27.27 -0.95 0.00 | 35.56 -1.41 -1.40 | 28.95 -1.22 -0.83 | 28.60 -1.12 -2.25 | 34.01 -1.13 -2.16 | 28.92 -0.64 -2.41 | 29.72 -0.64 -2.39 | 31.60 -0.48 -1.66 | 39.56 0.09 -0.96 | 49.47 -0.75 0.00 | 34.63 -1.29 0.00 | 31.69 -1.79 0.00 | 25.69 -1.11 0.00 | 26.62 -1.02 0.00 | 25.17 -0.94 0.00 | 28.91 -0.95 0.00 | 34.17 -0.88 0.00 | 43.66 -0.66 -0.23 | 62.43 -0.75 -3.81 | 72.78 0.38 -0.37 | 51.86 -0.27 0.00 | 45.24 0.05 0.00 | 42.66 -0.19 0.00 |
| CASSADAGA_WT_PWR 323784 | 24.38 -3.31 0.27 | 24.34 -2.78 1.09 | 32.50 -3.07 0.00 | 26.18 -3.15 0.00 | 24.32 -3.15 0.00 | 28.88 -3.43 0.67 | 22.91 -2.36 1.89 | 23.93 -2.36 1.68 | 26.46 -2.06 1.90 | 33.11 -2.89 2.51 | 43.24 -3.91 3.06 | 30.80 -2.75 2.37 | 28.62 -2.48 2.38 | 24.20 -2.05 0.55 | 25.79 -1.85 0.00 | 24.32 -1.79 0.00 | 28.00 -1.71 0.14 | 31.49 -1.39 2.17 | 39.75 -1.32 3.02 | 53.63 -2.19 3.55 | 66.33 -2.55 3.16 | 50.05 -1.90 0.18 | 43.86 -1.34 0.00 | 41.63 -1.22 0.00 |
| CE_DUNWOOD___DRP 24194 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.92 1.35 0.00 | 30.53 1.20 0.00 | 28.62 1.15 0.00 | 34.46 1.48 0.00 | 28.85 1.70 0.00 | 29.98 2.00 0.00 | 32.58 2.17 0.00 | 41.20 2.69 0.00 | 53.50 3.29 0.00 | 38.38 2.46 0.00 | 35.98 2.50 0.00 | 28.74 1.94 0.00 | 29.61 1.96 0.00 | 27.91 1.80 0.00 | 31.98 2.14 0.00 | 37.52 2.47 0.00 | 47.23 3.13 0.00 | 63.51 4.14 0.00 | 76.32 4.28 0.00 | 54.81 2.67 0.00 | 47.08 1.88 0.00 | 44.38 1.53 0.00 |
| CE_MILLWOOD___DRP 24193 | 29.02 1.05 0.00 | 29.28 1.06 0.00 | 36.80 1.23 0.00 | 30.42 1.09 0.00 | 28.54 1.07 0.00 | 34.34 1.36 0.00 | 28.75 1.60 0.00 | 29.86 1.89 0.00 | 32.44 2.03 0.00 | 41.03 2.52 0.00 | 53.29 3.08 0.00 | 38.21 2.29 0.00 | 35.81 2.34 0.00 | 28.61 1.81 0.00 | 29.47 1.83 0.00 | 27.79 1.68 0.00 | 31.86 2.01 0.00 | 37.39 2.34 0.00 | 47.05 2.96 0.00 | 63.27 3.90 0.00 | 76.02 3.99 0.00 | 54.61 2.47 0.00 | 46.92 1.72 0.00 | 44.25 1.39 0.00 |
| CE_NYC2_DRP 24202 | 29.32 1.35 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.71 1.38 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.10 1.94 0.00 | 30.28 2.30 0.00 | 33.53 2.52 -0.59 | 41.62 3.11 0.00 | 53.97 3.76 0.00 | 38.76 2.83 0.00 | 50.88 2.91 -14.50 | 46.75 2.28 -17.68 | 48.79 2.32 -18.83 | 28.92 2.12 -0.69 | 32.31 2.46 0.00 | 37.86 2.81 0.00 | 47.61 3.52 0.00 | 64.02 4.64 0.00 | 76.91 4.88 0.00 | 55.22 3.08 -0.01 | 47.44 2.24 0.00 | 44.69 1.83 0.00 |
| CE_NYC_DRP 24195 | 29.24 1.27 0.00 | 29.50 1.29 0.00 | 37.06 1.49 0.00 | 30.65 1.31 0.00 | 28.73 1.26 0.00 | 34.61 1.63 0.00 | 29.01 1.86 0.00 | 30.19 2.22 0.00 | 32.83 2.41 0.00 | 41.50 2.99 0.00 | 53.86 3.65 0.00 | 38.67 2.74 0.00 | 36.28 2.80 0.00 | 28.98 2.18 0.00 | 29.87 2.22 0.00 | 28.15 2.04 0.00 | 32.24 2.39 0.00 | 37.79 2.74 0.00 | 47.55 3.46 0.00 | 63.89 4.51 0.00 | 76.74 4.71 0.00 | 55.08 2.94 0.00 | 47.33 2.14 0.00 | 44.61 1.75 0.00 |
| CHAFFEE___LFGE 323603 | 25.98 -1.99 0.00 | 26.21 -2.00 0.00 | 33.43 -2.14 0.00 | 27.31 -2.03 0.00 | 25.60 -1.88 0.00 | 30.99 -1.98 0.00 | 25.65 -1.51 0.00 | 26.38 -1.59 0.00 | 28.96 -1.46 0.00 | 36.73 -1.78 0.00 | 47.90 -2.31 0.00 | 34.54 -1.39 0.00 | 32.22 -1.26 0.00 | 25.63 -1.17 0.00 | 26.62 -1.03 0.00 | 24.87 -1.24 0.00 | 28.49 -1.37 0.00 | 33.42 -1.63 0.00 | 42.25 -1.84 0.00 | 56.73 -2.64 0.00 | 69.00 -3.03 0.00 | 50.35 -1.78 0.00 | 43.97 -1.23 0.00 | 41.92 -0.94 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 27.30 -0.67 0.00 | 27.46 -0.76 0.00 | 4.91 -0.99 29.67 | 10.85 -0.87 17.61 | -21.02 -0.96 47.53 | -51.83 -1.29 83.52 | -25.20 -0.93 51.42 | -25.18 -0.83 52.32 | -6.79 -0.87 36.33 | 16.47 -0.96 21.09 | 50.19 -0.02 0.00 | 35.94 0.02 0.00 | 33.18 -0.29 0.00 | 26.60 -0.20 0.00 | 27.45 -0.19 0.00 | 25.79 -0.32 0.00 | 29.18 -0.67 0.00 | 34.00 -1.06 0.00 | 37.52 -1.45 5.12 | -27.97 -1.97 85.37 | 62.98 -1.11 7.94 | 51.81 -0.33 0.00 | 45.33 0.14 0.00 | 42.94 0.08 0.00 |
| CHATEAUG_WT_PWR 323614 | 27.31 -0.66 0.00 | 27.48 -0.75 0.00 | 7.34 -0.98 27.25 | 12.31 -0.85 16.18 | -17.12 -0.93 43.65 | -48.08 -1.27 79.79 | -21.01 -0.91 47.25 | -21.05 -0.83 48.19 | -3.91 -0.87 33.47 | 18.13 -0.96 19.42 | 50.16 -0.05 0.00 | 35.90 -0.02 0.00 | 33.15 -0.33 0.00 | 26.58 -0.22 0.00 | 27.42 -0.22 0.00 | 25.77 -0.34 0.00 | 29.16 -0.69 0.00 | 33.98 -1.07 0.00 | 37.91 -1.48 4.70 | -21.08 -2.01 78.45 | 63.62 -1.12 7.29 | 51.80 -0.34 0.00 | 45.31 0.11 0.00 | 42.92 0.06 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 27.30 -0.67 0.00 | 27.46 -0.76 0.00 | 4.91 -0.99 29.67 | 10.85 -0.87 17.61 | -21.02 -0.96 47.53 | -51.83 -1.29 83.52 | -25.20 -0.93 51.42 | -25.18 -0.83 52.32 | -6.79 -0.87 36.33 | 16.47 -0.96 21.09 | 50.19 -0.02 0.00 | 35.94 0.02 0.00 | 33.18 -0.29 0.00 | 26.60 -0.20 0.00 | 27.45 -0.19 0.00 | 25.79 -0.32 0.00 | 29.18 -0.67 0.00 | 34.00 -1.06 0.00 | 37.52 -1.45 5.12 | -27.97 -1.97 85.37 | 62.98 -1.11 7.94 | 51.81 -0.33 0.00 | 45.33 0.14 0.00 | 42.94 0.08 0.00 |
| CHAUTAUQUA___LFGE 323629 | 24.82 -2.75 0.40 | 24.10 -2.49 1.63 | 32.84 -2.73 0.00 | 26.64 -2.69 0.00 | 24.83 -2.64 0.00 | 29.12 -2.86 1.00 | 22.30 -2.03 2.82 | 23.38 -2.05 2.55 | 25.73 -1.80 2.89 | 32.25 -2.45 3.81 | 42.31 -3.25 4.65 | 30.14 -2.18 3.61 | 27.88 -1.98 3.62 | 24.22 -1.75 0.83 | 25.99 -1.66 0.00 | 24.50 -1.61 0.00 | 28.09 -1.55 0.22 | 30.41 -1.35 3.29 | 38.09 -1.42 4.58 | 51.71 -2.28 5.39 | 64.74 -2.50 4.79 | 49.96 -1.91 0.27 | 43.84 -1.36 0.00 | 41.68 -1.17 0.00 |
| CHERRYST_13_KV_LD 356241 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.16 1.59 0.00 | 30.71 1.38 0.00 | 28.81 1.34 0.00 | 34.71 1.73 0.00 | 29.09 1.94 0.00 | 30.28 2.31 0.00 | 32.94 2.53 0.00 | 41.64 3.13 0.00 | 54.05 3.83 0.00 | 38.81 2.88 0.00 | 36.40 2.92 0.00 | 29.08 2.28 0.00 | 29.97 2.33 0.00 | 28.24 2.13 0.00 | 32.35 2.50 0.00 | 37.92 2.87 0.00 | 47.71 3.61 0.00 | 64.09 4.71 0.00 | 76.96 4.93 0.00 | 55.23 3.09 0.00 | 47.45 2.26 0.00 | 44.73 1.87 0.00 |

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| CHESTROR_138KV_BK263 355645 | 28.78 0.81 0.00 | 29.03 0.81 0.00 | 36.51 0.94 0.00 | 30.18 0.85 0.00 | 28.31 0.83 0.00 | 34.04 1.06 0.00 | 28.46 1.31 0.00 | 29.52 1.55 0.00 | 32.04 1.63 0.00 | 40.54 2.03 0.00 | 52.66 2.45 0.00 | 37.72 1.80 0.00 | 35.29 1.81 0.00 | 28.20 1.40 0.00 | 29.04 1.39 0.00 | 27.41 1.31 0.00 | 31.46 1.61 0.00 | 36.96 1.90 0.00 | 46.51 2.42 0.00 | 62.57 3.19 0.00 | 75.23 3.20 0.00 | 54.11 1.97 0.00 | 46.51 1.32 0.00 | 43.89 1.03 0.00 |
| CH_MIDHUDSON___DRP 24192 | 29.10 1.13 0.00 | 29.37 1.15 0.00 | 36.91 1.34 0.00 | 30.52 1.19 0.00 | 28.62 1.15 0.00 | 34.44 1.46 0.00 | 28.81 1.66 0.00 | 29.89 1.92 0.00 | 32.49 2.07 0.00 | 41.08 2.57 0.00 | 53.38 3.17 0.00 | 38.23 2.31 0.00 | 35.79 2.31 0.00 | 28.57 1.78 0.00 | 29.44 1.79 0.00 | 27.75 1.64 0.00 | 31.84 1.98 0.00 | 37.41 2.35 0.00 | 47.09 3.00 0.00 | 63.37 4.00 0.00 | 76.16 4.13 0.00 | 54.72 2.58 0.00 | 46.99 1.80 0.00 | 44.30 1.45 0.00 |
| CH_MISC_IPPS 23765 | 29.20 1.23 0.00 | 29.47 1.25 0.00 | 37.03 1.46 0.00 | 30.62 1.28 0.00 | 28.73 1.25 0.00 | 34.57 1.59 0.00 | 28.94 1.79 0.00 | 30.09 2.12 0.00 | 32.63 2.21 0.00 | 41.25 2.74 0.00 | 53.59 3.37 0.00 | 38.38 2.46 0.00 | 35.89 2.41 0.00 | 28.65 1.85 0.00 | 29.52 1.88 0.00 | 27.85 1.75 0.00 | 31.98 2.13 0.00 | 37.59 2.53 0.00 | 47.34 3.24 0.00 | 63.68 4.30 0.00 | 76.57 4.54 0.00 | 54.97 2.84 0.00 | 47.21 2.02 0.00 | 44.50 1.64 0.00 |
| CH_RES_BVR_FALLS 23983 | 27.48 -0.49 0.00 | 27.66 -0.56 0.00 | 34.93 -0.65 0.00 | 28.76 -0.58 0.00 | 26.88 -0.60 0.00 | 32.11 -0.87 0.00 | 26.41 -0.74 0.00 | 27.27 -0.70 0.00 | 29.81 -0.61 0.00 | 37.90 -0.61 0.00 | 49.51 -0.71 0.00 | 35.33 -0.59 0.00 | 32.93 -0.54 0.00 | 26.34 -0.46 0.00 | 27.16 -0.48 0.00 | 25.60 -0.51 0.00 | 29.07 -0.78 0.00 | 34.09 -0.97 0.00 | 42.95 -1.15 0.00 | 58.10 -1.28 0.00 | 71.22 -0.81 0.00 | 51.81 -0.32 0.00 | 45.05 -0.15 0.00 | 42.68 -0.18 0.00 |
| CH_RES_NIAGARA 23895 | 24.45 -2.78 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.31 -3.02 0.00 | 24.70 -2.77 0.00 | 27.91 -3.26 1.82 | 19.27 -2.76 5.12 | 20.36 -3.00 4.61 | 22.28 -2.90 5.24 | 28.14 -3.47 6.90 | 37.22 -4.56 8.43 | 26.46 -2.93 6.54 | 23.90 -3.02 6.56 | 22.95 -2.35 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.00 -2.45 0.39 | 26.00 -3.10 5.96 | 32.10 -3.71 8.28 | 44.52 -5.10 9.76 | 57.52 -5.84 8.67 | 47.83 -3.81 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| CH_RES_SYRACUSE 23985 | 27.70 -0.27 0.00 | 27.94 -0.28 0.00 | 35.25 -0.33 0.00 | 29.02 -0.32 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.12 0.00 | 27.77 -0.21 0.00 | 30.20 -0.22 0.00 | 38.21 -0.30 0.00 | 49.66 -0.56 0.00 | 35.56 -0.36 0.00 | 33.12 -0.36 0.00 | 26.49 -0.31 0.00 | 27.30 -0.34 0.00 | 25.83 -0.28 0.00 | 29.60 -0.25 0.00 | 34.83 -0.22 0.00 | 43.92 -0.18 0.00 | 59.09 -0.29 0.00 | 71.56 -0.47 0.00 | 51.80 -0.33 0.00 | 44.94 -0.26 0.00 | 42.67 -0.18 0.00 |
| CLINTON_WT_PWR 323605 | 27.31 -0.66 0.00 | 27.48 -0.75 0.00 | 7.34 -0.98 27.25 | 12.31 -0.85 16.18 | -17.12 -0.93 43.65 | -48.08 -1.27 79.79 | -21.01 -0.91 47.25 | -21.05 -0.83 48.19 | -3.91 -0.87 33.47 | 18.13 -0.96 19.42 | 50.16 -0.05 0.00 | 35.90 -0.02 0.00 | 33.15 -0.33 0.00 | 26.58 -0.22 0.00 | 27.42 -0.22 0.00 | 25.77 -0.34 0.00 | 29.16 -0.69 0.00 | 33.98 -1.07 0.00 | 37.91 -1.48 4.70 | -21.08 -2.01 78.45 | 63.62 -1.12 7.29 | 51.80 -0.34 0.00 | 45.31 0.11 0.00 | 42.92 0.06 0.00 |
| CLINTON___LFGE 323618 | 27.82 -0.15 0.00 | 28.00 -0.22 0.00 | 7.94 -0.38 27.25 | 12.72 -0.44 16.18 | -16.73 -0.55 43.65 | -47.58 -0.77 79.79 | -20.64 -0.54 47.25 | -20.63 -0.41 48.19 | -3.33 -0.29 33.47 | 18.89 -0.20 19.42 | 51.07 0.86 0.00 | 36.56 0.63 0.00 | 33.73 0.25 0.00 | 27.04 0.24 0.00 | 27.81 0.17 0.00 | 26.15 0.04 0.00 | 29.74 -0.11 0.00 | 34.73 -0.32 0.00 | 38.87 -0.52 4.70 | -19.90 -0.29 78.45 | 64.90 0.17 7.29 | 52.71 0.57 0.00 | 46.07 0.87 0.00 | 43.59 0.73 0.00 |
| COBBLENY_34_KV_TB1 80064 | 25.99 -1.98 0.00 | 26.21 -2.01 0.00 | 33.43 -2.15 0.00 | 27.30 -2.03 0.00 | 25.59 -1.88 0.00 | 30.98 -2.00 0.00 | 25.62 -1.53 0.00 | 26.35 -1.62 0.00 | 28.92 -1.49 0.00 | 36.71 -1.80 0.00 | 47.87 -2.34 0.00 | 34.51 -1.41 0.00 | 32.15 -1.34 0.00 | 25.61 -1.19 0.00 | 26.61 -1.03 0.00 | 24.87 -1.24 0.00 | 28.48 -1.37 0.00 | 33.39 -1.67 0.00 | 42.24 -1.85 0.00 | 56.71 -2.67 0.00 | 69.01 -3.02 0.00 | 50.35 -1.79 0.00 | 43.97 -1.23 0.00 | 41.91 -0.94 0.00 |
| COFFEEN___115KV_TB3 355620 | 27.20 -0.77 0.00 | 27.21 -1.01 0.00 | 35.25 -1.49 -1.17 | 28.75 -1.27 -0.69 | 28.17 -1.17 -1.87 | 33.60 -1.17 -1.80 | 28.52 -0.64 -2.00 | 29.35 -0.61 -1.99 | 31.39 -0.40 -1.38 | 39.52 0.21 -0.80 | 49.37 -0.84 0.00 | 34.45 -1.48 0.00 | 31.47 -2.00 0.00 | 25.73 -1.06 0.00 | 26.63 -1.02 0.00 | 25.23 -0.88 0.00 | 29.01 -0.85 0.00 | 34.30 -0.75 0.00 | 43.82 -0.46 -0.19 | 62.01 -0.53 -3.17 | 72.79 0.45 -0.31 | 51.83 -0.30 0.00 | 45.19 0.00 0.00 | 42.58 -0.27 0.00 |
| COLDSPRG_115KV_BK1 355956 | 25.84 -2.13 0.00 | 26.31 -1.91 0.00 | 33.56 -2.01 0.00 | 27.24 -2.09 0.00 | 25.46 -2.01 0.00 | 30.90 -2.07 0.00 | 25.74 -1.42 0.00 | 26.55 -1.42 0.00 | 29.28 -1.14 0.00 | 36.99 -1.52 0.00 | 48.18 -2.03 0.00 | 34.62 -1.31 0.00 | 32.25 -1.23 0.00 | 25.71 -1.09 0.00 | 26.76 -0.89 0.00 | 25.14 -0.97 0.00 | 28.92 -0.93 0.00 | 34.24 -0.82 0.00 | 43.40 -0.69 0.00 | 58.10 -1.28 0.00 | 70.73 -1.30 0.00 | 51.31 -0.83 0.00 | 44.78 -0.42 0.00 | 42.58 -0.28 0.00 |
| COLONIE_LFGE___ 323577 | 28.82 0.86 0.00 | 29.10 0.88 0.00 | 36.58 1.01 0.00 | 30.23 0.90 0.00 | 28.35 0.88 0.00 | 34.08 1.10 0.00 | 28.45 1.30 0.00 | 29.38 1.41 0.00 | 31.80 1.38 0.00 | 40.25 1.74 0.00 | 52.33 2.12 0.00 | 37.28 1.35 0.00 | 34.78 1.30 0.00 | 27.83 1.04 0.00 | 28.68 1.03 0.00 | 27.03 0.92 0.00 | 31.03 1.18 0.00 | 36.57 1.52 0.00 | 46.03 1.94 0.00 | 62.05 2.67 0.00 | 74.59 2.56 0.00 | 53.70 1.57 0.00 | 46.12 0.93 0.00 | 43.56 0.71 0.00 |
| COOPERNY_115KV_TB1 80082 | 28.51 0.54 0.00 | 28.78 0.56 0.00 | 36.20 0.62 0.00 | 29.91 0.58 0.00 | 28.05 0.58 0.00 | 33.71 0.73 0.00 | 28.09 0.94 0.00 | 29.09 1.11 0.00 | 31.58 1.16 0.00 | 39.96 1.45 0.00 | 51.95 1.73 0.00 | 37.20 1.27 0.00 | 34.77 1.29 0.00 | 27.80 1.00 0.00 | 28.64 0.99 0.00 | 27.04 0.93 0.00 | 31.00 1.14 0.00 | 36.40 1.35 0.00 | 45.83 1.73 0.00 | 61.65 2.27 0.00 | 74.28 2.25 0.00 | 53.49 1.35 0.00 | 46.07 0.88 0.00 | 43.53 0.67 0.00 |
| COPENHAGEN_WT_PWR 323753 | 26.76 -1.21 0.00 | 26.76 -1.46 0.00 | 34.59 -2.08 -1.10 | 28.23 -1.76 -0.65 | 27.62 -1.62 -1.77 | 32.92 -1.75 -1.70 | 27.90 -1.14 -1.90 | 28.68 -1.18 -1.88 | 30.68 -1.04 -1.31 | 38.85 -0.41 -0.76 | 48.56 -1.65 0.00 | 33.90 -2.03 0.00 | 31.07 -2.41 0.00 | 25.30 -1.50 0.00 | 26.13 -1.52 0.00 | 24.75 -1.36 0.00 | 28.44 -1.41 0.00 | 33.60 -1.45 0.00 | 42.94 -1.34 -0.18 | 60.63 -1.75 -3.00 | 71.50 -0.83 -0.29 | 50.89 -1.25 0.00 | 44.53 -0.67 0.00 | 41.96 -0.89 0.00 |
| CORNELL_____ 23752 | 28.15 -0.16 -0.34 | 29.41 -0.18 -1.37 | 35.38 -0.19 0.00 | 29.13 -0.21 0.00 | 27.31 -0.16 0.00 | 33.72 -0.10 -0.84 | 29.69 0.15 -2.38 | 30.27 0.16 -2.13 | 33.05 0.20 -2.43 | 41.93 0.21 -3.20 | 54.19 0.06 -3.92 | 39.05 0.09 -3.04 | 36.49 -0.04 -3.05 | 27.34 -0.16 -0.70 | 27.43 -0.21 0.00 | 25.93 -0.18 0.00 | 30.06 0.02 -0.18 | 38.04 0.23 -2.76 | 48.44 0.51 -3.83 | 64.61 0.71 -4.52 | 76.79 0.74 -4.01 | 52.75 0.39 -0.23 | 45.43 0.24 0.00 | 43.09 0.23 0.00 |

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| CORONA__69_KV_TB1 355595 | 49.24 1.60 -19.67 | 42.99 1.65 -13.13 | 37.45 1.84 -0.03 | 30.95 1.59 -0.03 | 29.05 1.55 -0.03 | 37.48 1.98 -2.52 | 29.08 1.90 -0.03 | 30.05 2.07 -0.01 | 32.73 2.31 0.00 | 41.49 2.98 0.00 | 53.86 3.65 0.00 | 73.51 2.95 -34.64 | 62.85 2.96 -26.41 | 31.83 2.27 -2.76 | 33.78 2.36 -3.77 | 28.18 2.07 0.00 | 32.16 2.31 0.00 | 37.64 2.59 0.00 | 47.62 3.52 -0.01 | 63.92 4.54 -0.01 | 78.90 4.97 -1.90 | 55.45 3.29 -0.03 | 54.50 2.55 -6.76 | 45.88 2.08 -0.95 |
| CORTLAND_115KV_TB3 80093 | 27.79 -0.18 0.00 | 28.03 -0.19 0.00 | 35.35 -0.23 0.00 | 29.13 -0.21 0.00 | 27.30 -0.18 0.00 | 32.84 -0.14 0.00 | 27.24 0.08 0.00 | 28.06 0.09 0.00 | 30.54 0.13 0.00 | 38.65 0.14 0.00 | 50.20 -0.01 0.00 | 35.93 0.01 0.00 | 33.45 -0.02 0.00 | 26.67 -0.13 0.00 | 27.48 -0.17 0.00 | 25.99 -0.12 0.00 | 29.87 0.02 0.00 | 35.22 0.17 0.00 | 44.47 0.38 0.00 | 59.85 0.47 0.00 | 72.45 0.41 0.00 | 52.30 0.17 0.00 | 45.28 0.08 0.00 | 42.95 0.09 0.00 |
| COXSACKIE___GT 23611 | 29.49 1.52 0.00 | 29.73 1.51 0.00 | 37.42 1.84 0.00 | 30.91 1.57 0.00 | 29.01 1.54 0.00 | 34.92 1.94 0.00 | 29.23 2.07 0.00 | 30.01 2.04 0.00 | 32.35 1.93 0.00 | 40.75 2.24 0.00 | 52.92 2.71 0.00 | 37.45 1.53 0.00 | 34.72 1.25 0.00 | 27.65 0.85 0.00 | 28.42 0.77 0.00 | 27.07 0.96 0.00 | 31.43 1.58 0.00 | 37.23 2.18 0.00 | 46.96 2.87 0.00 | 63.56 4.18 0.00 | 76.43 4.40 0.00 | 54.98 2.85 0.00 | 47.16 1.96 0.00 | 44.48 1.63 0.00 |
| CPV_VALLEY___CC1 323721 | 28.58 0.61 0.00 | 28.84 0.62 0.00 | 36.26 0.68 0.00 | 29.98 0.64 0.00 | 28.12 0.65 0.00 | 33.79 0.82 0.00 | 28.24 1.08 0.00 | 29.27 1.29 0.00 | 31.78 1.36 0.00 | 40.19 1.68 0.00 | 52.23 2.02 0.00 | 37.41 1.49 0.00 | 35.00 1.52 0.00 | 27.99 1.20 0.00 | 28.83 1.19 0.00 | 27.22 1.11 0.00 | 31.21 1.36 0.00 | 36.65 1.60 0.00 | 46.12 2.02 0.00 | 62.02 2.65 0.00 | 74.60 2.57 0.00 | 53.68 1.54 0.00 | 46.17 0.97 0.00 | 43.58 0.72 0.00 |
| CPV_VALLEY___CC2 323722 | 28.58 0.61 0.00 | 28.84 0.62 0.00 | 36.26 0.68 0.00 | 29.98 0.64 0.00 | 28.12 0.65 0.00 | 33.79 0.82 0.00 | 28.24 1.08 0.00 | 29.27 1.29 0.00 | 31.78 1.36 0.00 | 40.19 1.68 0.00 | 52.23 2.02 0.00 | 37.41 1.49 0.00 | 35.00 1.52 0.00 | 27.99 1.20 0.00 | 28.83 1.19 0.00 | 27.22 1.11 0.00 | 31.21 1.36 0.00 | 36.65 1.60 0.00 | 46.12 2.02 0.00 | 62.02 2.65 0.00 | 74.60 2.57 0.00 | 53.68 1.54 0.00 | 46.17 0.97 0.00 | 43.58 0.72 0.00 |
| CRESCENT___HYD 24018 | 28.82 0.86 0.00 | 29.10 0.88 0.00 | 36.58 1.01 0.00 | 30.23 0.90 0.00 | 28.35 0.88 0.00 | 34.08 1.10 0.00 | 28.45 1.30 0.00 | 29.38 1.41 0.00 | 31.80 1.38 0.00 | 40.25 1.74 0.00 | 52.33 2.12 0.00 | 37.28 1.35 0.00 | 34.78 1.30 0.00 | 27.83 1.04 0.00 | 28.68 1.03 0.00 | 27.03 0.92 0.00 | 31.03 1.18 0.00 | 36.57 1.52 0.00 | 46.03 1.94 0.00 | 62.05 2.67 0.00 | 74.59 2.56 0.00 | 53.70 1.57 0.00 | 46.12 0.93 0.00 | 43.56 0.71 0.00 |
| CRICKET___VALLEY_CC1 323756 | 28.92 0.95 0.00 | 29.21 0.99 0.00 | 36.70 1.12 0.00 | 30.34 1.01 0.00 | 28.46 0.99 0.00 | 34.24 1.26 0.00 | 28.63 1.47 0.00 | 29.81 1.83 0.00 | 32.36 1.94 0.00 | 40.91 2.40 0.00 | 53.16 2.95 0.00 | 38.05 2.13 0.00 | 35.63 2.15 0.00 | 28.51 1.71 0.00 | 29.38 1.73 0.00 | 27.56 1.45 0.00 | 31.61 1.76 0.00 | 37.12 2.07 0.00 | 46.70 2.61 0.00 | 62.89 3.52 0.00 | 75.53 3.50 0.00 | 54.26 2.12 0.00 | 46.55 1.36 0.00 | 43.90 1.04 0.00 |
| CRICKET___VALLEY_CC2 323757 | 28.92 0.95 0.00 | 29.21 0.99 0.00 | 36.70 1.12 0.00 | 30.34 1.01 0.00 | 28.46 0.99 0.00 | 34.24 1.26 0.00 | 28.63 1.47 0.00 | 29.81 1.83 0.00 | 32.36 1.94 0.00 | 40.91 2.40 0.00 | 53.16 2.95 0.00 | 38.05 2.13 0.00 | 35.63 2.15 0.00 | 28.51 1.71 0.00 | 29.38 1.73 0.00 | 27.56 1.45 0.00 | 31.61 1.76 0.00 | 37.12 2.07 0.00 | 46.70 2.61 0.00 | 62.89 3.52 0.00 | 75.53 3.50 0.00 | 54.26 2.12 0.00 | 46.55 1.36 0.00 | 43.90 1.04 0.00 |
| CRICKET___VALLEY_CC3 323758 | 28.92 0.95 0.00 | 29.21 0.99 0.00 | 36.70 1.12 0.00 | 30.34 1.01 0.00 | 28.46 0.99 0.00 | 34.24 1.26 0.00 | 28.63 1.47 0.00 | 29.81 1.83 0.00 | 32.36 1.94 0.00 | 40.91 2.40 0.00 | 53.16 2.95 0.00 | 38.05 2.13 0.00 | 35.63 2.15 0.00 | 28.51 1.71 0.00 | 29.38 1.73 0.00 | 27.56 1.45 0.00 | 31.61 1.76 0.00 | 37.12 2.07 0.00 | 46.70 2.61 0.00 | 62.89 3.52 0.00 | 75.53 3.50 0.00 | 54.26 2.12 0.00 | 46.55 1.36 0.00 | 43.90 1.04 0.00 |
| CRUCIBLE_METL_DRP 24180 | 27.70 -0.27 0.00 | 27.94 -0.28 0.00 | 35.24 -0.33 0.00 | 29.02 -0.32 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.13 0.00 | 27.76 -0.21 0.00 | 30.19 -0.22 0.00 | 38.21 -0.30 0.00 | 49.65 -0.56 0.00 | 35.56 -0.36 0.00 | 33.11 -0.37 0.00 | 26.49 -0.31 0.00 | 27.30 -0.34 0.00 | 25.83 -0.28 0.00 | 29.60 -0.25 0.00 | 34.83 -0.22 0.00 | 43.91 -0.18 0.00 | 59.09 -0.29 0.00 | 71.56 -0.47 0.00 | 51.79 -0.34 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |
| DAHOWA___HYDRO 323763 | 29.14 1.17 0.00 | 29.40 1.18 0.00 | 37.01 1.44 0.00 | 30.54 1.21 0.00 | 28.60 1.12 0.00 | 34.31 1.33 0.00 | 28.61 1.45 0.00 | 29.60 1.63 0.00 | 32.07 1.65 0.00 | 40.62 2.11 0.00 | 52.80 2.58 0.00 | 37.46 1.54 0.00 | 34.89 1.41 0.00 | 27.83 1.03 0.00 | 28.58 0.94 0.00 | 26.95 0.84 0.00 | 30.97 1.12 0.00 | 36.80 1.75 0.00 | 46.45 2.36 0.00 | 62.64 3.27 0.00 | 75.31 3.28 0.00 | 54.16 2.03 0.00 | 46.41 1.22 0.00 | 43.79 0.93 0.00 |
| DANC___LFGE 323619 | 26.95 -1.02 0.00 | 27.04 -1.18 0.00 | 34.70 -1.63 -0.76 | 28.40 -1.38 -0.45 | 27.42 -1.27 -1.21 | 32.74 -1.40 -1.17 | 27.52 -0.93 -1.30 | 28.27 -0.99 -1.29 | 30.39 -0.92 -0.90 | 38.39 -0.64 -0.52 | 48.63 -1.58 0.00 | 34.25 -1.67 0.00 | 31.59 -1.89 0.00 | 25.59 -1.21 0.00 | 26.41 -1.24 0.00 | 25.00 -1.11 0.00 | 28.68 -1.17 0.00 | 33.85 -1.20 0.00 | 43.03 -1.19 -0.12 | 59.87 -1.57 -2.06 | 71.05 -1.18 -0.20 | 50.88 -1.25 0.00 | 44.37 -0.82 0.00 | 41.94 -0.92 0.00 |
| DANSKAMMER___1 23586 | 29.20 1.23 0.00 | 29.47 1.25 0.00 | 37.03 1.46 0.00 | 30.62 1.28 0.00 | 28.73 1.25 0.00 | 34.57 1.59 0.00 | 28.94 1.79 0.00 | 30.09 2.12 0.00 | 32.63 2.21 0.00 | 41.25 2.74 0.00 | 53.59 3.37 0.00 | 38.38 2.46 0.00 | 35.89 2.41 0.00 | 28.65 1.85 0.00 | 29.52 1.88 0.00 | 27.85 1.75 0.00 | 31.98 2.13 0.00 | 37.59 2.53 0.00 | 47.34 3.24 0.00 | 63.68 4.30 0.00 | 76.57 4.54 0.00 | 54.97 2.84 0.00 | 47.21 2.02 0.00 | 44.50 1.64 0.00 |
| DANSKAMMER___2 23589 | 29.20 1.23 0.00 | 29.47 1.25 0.00 | 37.03 1.46 0.00 | 30.62 1.28 0.00 | 28.73 1.25 0.00 | 34.57 1.59 0.00 | 28.94 1.79 0.00 | 30.09 2.12 0.00 | 32.63 2.21 0.00 | 41.25 2.74 0.00 | 53.59 3.37 0.00 | 38.38 2.46 0.00 | 35.89 2.41 0.00 | 28.65 1.85 0.00 | 29.52 1.88 0.00 | 27.85 1.75 0.00 | 31.98 2.13 0.00 | 37.59 2.53 0.00 | 47.34 3.24 0.00 | 63.68 4.30 0.00 | 76.57 4.54 0.00 | 54.97 2.84 0.00 | 47.21 2.02 0.00 | 44.50 1.64 0.00 |
| DANSKAMMER___3 23590 | 29.20 1.23 0.00 | 29.47 1.25 0.00 | 37.03 1.46 0.00 | 30.62 1.28 0.00 | 28.73 1.25 0.00 | 34.57 1.59 0.00 | 28.94 1.79 0.00 | 30.09 2.12 0.00 | 32.63 2.21 0.00 | 41.25 2.74 0.00 | 53.59 3.37 0.00 | 38.38 2.46 0.00 | 35.89 2.41 0.00 | 28.65 1.85 0.00 | 29.52 1.88 0.00 | 27.85 1.75 0.00 | 31.98 2.13 0.00 | 37.59 2.53 0.00 | 47.34 3.24 0.00 | 63.68 4.30 0.00 | 76.57 4.54 0.00 | 54.97 2.84 0.00 | 47.21 2.02 0.00 | 44.50 1.64 0.00 |

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| DANSKAMMER___4 23591 | 29.20 1.23 0.00 | 29.47 1.25 0.00 | 37.03 1.46 0.00 | 30.62 1.28 0.00 | 28.73 1.25 0.00 | 34.57 1.59 0.00 | 28.94 1.79 0.00 | 30.09 2.12 0.00 | 32.63 2.21 0.00 | 41.25 2.74 0.00 | 53.59 3.37 0.00 | 38.38 2.46 0.00 | 35.89 2.41 0.00 | 28.65 1.85 0.00 | 29.52 1.88 0.00 | 27.85 1.75 0.00 | 31.98 2.13 0.00 | 37.59 2.53 0.00 | 47.34 3.24 0.00 | 63.68 4.30 0.00 | 76.57 4.54 0.00 | 54.97 2.84 0.00 | 47.21 2.02 0.00 | 44.50 1.64 0.00 |
| DANSKAMMER___DIESEL 23592 | 29.20 1.23 0.00 | 29.47 1.25 0.00 | 37.03 1.46 0.00 | 30.62 1.28 0.00 | 28.72 1.25 0.00 | 34.57 1.59 0.00 | 28.94 1.79 0.00 | 30.10 2.12 0.00 | 32.63 2.21 0.00 | 41.26 2.75 0.00 | 53.58 3.37 0.00 | 38.39 2.46 0.00 | 35.91 2.42 0.00 | 28.65 1.85 0.00 | 29.53 1.88 0.00 | 27.85 1.75 0.00 | 31.98 2.13 0.00 | 37.58 2.53 0.00 | 47.33 3.24 0.00 | 63.69 4.31 0.00 | 76.57 4.53 0.00 | 54.98 2.84 0.00 | 47.21 2.02 0.00 | 44.50 1.64 0.00 |
| DARBY___SOLAR 323810 | 29.14 1.17 0.00 | 29.40 1.18 0.00 | 37.00 1.43 0.00 | 30.54 1.21 0.00 | 28.61 1.14 0.00 | 34.32 1.34 0.00 | 28.65 1.50 0.00 | 29.65 1.67 0.00 | 32.07 1.66 0.00 | 40.63 2.12 0.00 | 52.80 2.59 0.00 | 37.49 1.57 0.00 | 34.91 1.43 0.00 | 27.85 1.05 0.00 | 28.62 0.98 0.00 | 27.00 0.89 0.00 | 31.03 1.18 0.00 | 36.85 1.80 0.00 | 46.49 2.40 0.00 | 62.68 3.30 0.00 | 75.38 3.34 0.00 | 54.23 2.09 0.00 | 46.49 1.30 0.00 | 43.87 1.01 0.00 |
| DASHVILLE___HYD 23610 | 29.05 1.08 0.00 | 29.32 1.10 0.00 | 36.85 1.28 0.00 | 30.48 1.14 0.00 | 28.59 1.12 0.00 | 34.37 1.39 0.00 | 28.75 1.60 0.00 | 29.80 1.83 0.00 | 32.37 1.95 0.00 | 40.93 2.42 0.00 | 53.19 2.98 0.00 | 38.09 2.16 0.00 | 35.58 2.10 0.00 | 28.41 1.61 0.00 | 29.29 1.64 0.00 | 27.64 1.53 0.00 | 31.71 1.86 0.00 | 37.29 2.24 0.00 | 46.98 2.88 0.00 | 63.22 3.84 0.00 | 76.02 3.99 0.00 | 54.63 2.49 0.00 | 46.93 1.74 0.00 | 44.25 1.39 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 30.73 1.48 -1.28 | 30.25 1.18 -0.85 | 36.64 1.07 0.01 | 30.35 1.02 0.01 | 28.50 1.04 0.01 | 34.52 1.39 -0.15 | 28.41 1.26 0.01 | 29.39 1.42 0.00 | 32.16 1.74 0.00 | 41.05 2.54 0.00 | 53.14 2.92 0.00 | 41.32 2.63 -2.77 | 39.74 3.14 -3.11 | 29.65 2.67 -0.18 | 30.33 2.43 -0.25 | 28.23 2.12 0.00 | 32.11 2.26 0.00 | 37.30 2.25 0.00 | 47.09 3.00 0.00 | 63.41 4.03 0.00 | 77.90 5.75 -0.12 | 55.95 3.82 0.01 | 48.51 2.89 -0.43 | 45.06 2.15 -0.06 |
| DELAWARE___LFGE 323621 | 28.39 0.42 0.00 | 28.67 0.46 0.00 | 36.13 0.56 0.00 | 29.84 0.51 0.00 | 27.98 0.50 0.00 | 33.58 0.60 0.00 | 27.91 0.75 0.00 | 28.81 0.84 0.00 | 31.49 1.07 0.00 | 39.86 1.35 0.00 | 51.85 1.64 0.00 | 37.11 1.18 0.00 | 34.66 1.18 0.00 | 27.65 0.85 0.00 | 28.31 0.67 0.00 | 26.77 0.66 0.00 | 30.69 0.84 0.00 | 36.10 1.05 0.00 | 45.47 1.38 0.00 | 61.21 1.83 0.00 | 73.90 1.87 0.00 | 53.30 1.16 0.00 | 46.02 0.82 0.00 | 43.55 0.70 0.00 |
| DERFIELD_115KV_TB7 355931 | 28.00 0.03 0.00 | 28.25 0.03 0.00 | 35.58 0.01 0.00 | 29.37 0.03 0.00 | 27.52 0.05 0.00 | 33.01 0.03 0.00 | 27.27 0.12 0.00 | 28.08 0.11 0.00 | 30.53 0.11 0.00 | 38.67 0.15 0.00 | 50.31 0.10 0.00 | 35.93 0.00 0.00 | 33.52 0.05 0.00 | 26.81 0.01 0.00 | 27.64 0.00 0.00 | 26.13 0.02 0.00 | 29.93 0.07 0.00 | 35.20 0.15 0.00 | 44.30 0.21 0.00 | 59.67 0.29 0.00 | 72.22 0.19 0.00 | 52.18 0.05 0.00 | 45.15 -0.05 0.00 | 42.77 -0.08 0.00 |
| DOGLEVILLE___HYD 23807 | 27.97 0.00 0.00 | 28.24 0.02 0.00 | 35.47 -0.10 0.00 | 29.37 0.04 0.00 | 27.50 0.03 0.00 | 33.03 0.06 0.00 | 27.42 0.26 0.00 | 28.25 0.27 0.00 | 30.55 0.13 0.00 | 38.86 0.35 0.00 | 50.41 0.20 0.00 | 35.41 -0.52 0.00 | 33.27 -0.21 0.00 | 26.30 -0.50 0.00 | 26.91 -0.73 0.00 | 25.53 -0.58 0.00 | 29.59 -0.26 0.00 | 35.36 0.31 0.00 | 44.54 0.45 0.00 | 60.09 0.71 0.00 | 72.01 -0.02 0.00 | 51.63 -0.50 0.00 | 44.22 -0.98 0.00 | 41.67 -1.19 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 24.87 -2.68 0.42 | 24.08 -2.46 1.68 | 32.89 -2.68 0.00 | 26.71 -2.62 0.00 | 24.89 -2.58 0.00 | 29.16 -2.79 1.03 | 22.24 -2.00 2.91 | 23.32 -2.03 2.63 | 25.65 -1.78 2.98 | 32.19 -2.39 3.93 | 42.24 -3.17 4.80 | 30.08 -2.12 3.73 | 27.76 -1.98 3.74 | 24.23 -1.72 0.86 | 26.03 -1.62 0.00 | 24.53 -1.58 0.00 | 28.09 -1.54 0.23 | 30.28 -1.37 3.40 | 37.93 -1.44 4.73 | 51.51 -2.30 5.56 | 64.56 -2.52 4.95 | 49.92 -1.93 0.28 | 43.82 -1.38 0.00 | 41.69 -1.17 0.00 |
| DUNKIRK___1 23563 | 24.87 -2.68 0.42 | 24.08 -2.46 1.68 | 32.89 -2.68 0.00 | 26.71 -2.62 0.00 | 24.89 -2.58 0.00 | 29.16 -2.79 1.03 | 22.24 -2.00 2.91 | 23.32 -2.03 2.63 | 25.65 -1.78 2.98 | 32.19 -2.39 3.93 | 42.24 -3.17 4.80 | 30.08 -2.12 3.73 | 27.76 -1.98 3.74 | 24.23 -1.72 0.86 | 26.03 -1.62 0.00 | 24.53 -1.58 0.00 | 28.09 -1.54 0.23 | 30.28 -1.37 3.40 | 37.93 -1.44 4.73 | 51.51 -2.30 5.56 | 64.56 -2.52 4.95 | 49.92 -1.93 0.28 | 43.82 -1.38 0.00 | 41.69 -1.17 0.00 |
| DUNKIRK___2 23564 | 24.87 -2.68 0.42 | 24.08 -2.46 1.68 | 32.89 -2.68 0.00 | 26.71 -2.62 0.00 | 24.89 -2.58 0.00 | 29.16 -2.79 1.03 | 22.24 -2.00 2.91 | 23.32 -2.03 2.63 | 25.65 -1.78 2.98 | 32.19 -2.39 3.93 | 42.24 -3.17 4.80 | 30.08 -2.12 3.73 | 27.76 -1.98 3.74 | 24.23 -1.72 0.86 | 26.03 -1.62 0.00 | 24.53 -1.58 0.00 | 28.09 -1.54 0.23 | 30.28 -1.37 3.40 | 37.93 -1.44 4.73 | 51.51 -2.30 5.56 | 64.56 -2.52 4.95 | 49.92 -1.93 0.28 | 43.82 -1.38 0.00 | 41.69 -1.17 0.00 |
| DUNKIRK___3 23565 | 24.94 -2.57 0.46 | 23.97 -2.41 1.84 | 32.93 -2.64 0.00 | 26.77 -2.56 0.00 | 24.99 -2.48 0.00 | 29.14 -2.71 1.13 | 21.98 -1.99 3.18 | 23.05 -2.05 2.87 | 25.33 -1.83 3.26 | 31.83 -2.39 4.30 | 41.80 -3.16 5.25 | 29.77 -2.08 4.07 | 27.41 -1.98 4.09 | 24.16 -1.71 0.93 | 26.05 -1.59 0.00 | 24.53 -1.58 0.00 | 28.01 -1.60 0.25 | 29.79 -1.55 3.71 | 37.25 -1.68 5.17 | 50.71 -2.59 6.08 | 63.76 -2.87 5.41 | 49.72 -2.10 0.31 | 43.67 -1.52 0.00 | 41.61 -1.25 0.00 |
| DUNKIRK___4 23566 | 24.94 -2.57 0.46 | 23.97 -2.41 1.84 | 32.93 -2.64 0.00 | 26.77 -2.56 0.00 | 24.99 -2.48 0.00 | 29.14 -2.71 1.13 | 21.98 -1.99 3.18 | 23.05 -2.05 2.87 | 25.33 -1.83 3.26 | 31.83 -2.39 4.30 | 41.80 -3.16 5.25 | 29.77 -2.08 4.07 | 27.41 -1.98 4.09 | 24.16 -1.71 0.93 | 26.05 -1.59 0.00 | 24.53 -1.58 0.00 | 28.01 -1.60 0.25 | 29.79 -1.55 3.71 | 37.25 -1.68 5.17 | 50.71 -2.59 6.08 | 63.76 -2.87 5.41 | 49.72 -2.10 0.31 | 43.67 -1.52 0.00 | 41.61 -1.25 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 29.20 1.23 0.00 | 29.46 1.24 0.00 | 37.02 1.44 0.00 | 30.60 1.26 0.00 | 28.70 1.23 0.00 | 34.55 1.57 0.00 | 28.93 1.78 0.00 | 30.06 2.09 0.00 | 32.67 2.25 0.00 | 41.31 2.80 0.00 | 53.63 3.42 0.00 | 38.48 2.56 0.00 | 36.08 2.60 0.00 | 28.82 2.02 0.00 | 29.69 2.05 0.00 | 27.99 1.88 0.00 | 32.06 2.21 0.00 | 37.61 2.56 0.00 | 47.33 3.24 0.00 | 63.64 4.26 0.00 | 76.48 4.44 0.00 | 54.93 2.80 0.00 | 47.22 2.02 0.00 | 44.51 1.66 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 28.97 1.00 0.00 | 29.23 1.01 0.00 | 36.74 1.17 0.00 | 30.38 1.04 0.00 | 28.49 1.02 0.00 | 34.27 1.29 0.00 | 28.68 1.52 0.00 | 29.78 1.81 0.00 | 32.32 1.90 0.00 | 40.87 2.36 0.00 | 53.09 2.88 0.00 | 38.03 2.11 0.00 | 35.57 2.09 0.00 | 28.40 1.60 0.00 | 29.26 1.62 0.00 | 27.62 1.51 0.00 | 31.70 1.86 0.00 | 37.25 2.20 0.00 | 46.91 2.81 0.00 | 63.11 3.73 0.00 | 75.88 3.84 0.00 | 54.53 2.39 0.00 | 46.84 1.64 0.00 | 44.17 1.31 0.00 |

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| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 29.19 1.22 0.00 | 29.46 1.24 0.00 | 36.99 1.42 0.00 | 30.59 1.26 0.00 | 28.70 1.23 0.00 | 34.55 1.57 0.00 | 28.97 1.81 0.00 | 30.13 2.16 0.00 | 32.77 2.36 0.01 | 41.42 2.91 0.00 | 53.72 3.51 0.00 | 38.56 2.64 0.00 | 36.22 2.75 0.01 | 28.94 2.15 0.01 | 29.83 2.19 0.01 | 28.09 1.99 0.01 | 32.18 2.33 0.00 | 37.71 2.66 0.00 | 47.44 3.35 0.00 | 63.86 4.48 0.00 | 76.62 4.59 0.00 | 55.02 2.88 -0.01 | 47.24 2.04 0.00 | 44.50 1.64 0.00 |
| E179THST_13_KV_LOAD 356214 | 29.29 1.33 0.00 | 29.57 1.35 0.00 | 37.11 1.54 0.00 | 30.69 1.35 0.00 | 28.79 1.32 0.00 | 34.67 1.69 0.00 | 29.08 1.93 0.00 | 30.25 2.27 0.00 | 32.90 2.49 0.01 | 41.59 3.08 0.00 | 53.95 3.74 0.00 | 38.73 2.80 0.00 | 36.37 2.90 0.01 | 29.07 2.28 0.01 | 29.95 2.32 0.01 | 28.22 2.12 0.01 | 32.33 2.47 0.00 | 37.88 2.83 0.00 | 47.66 3.57 0.00 | 64.16 4.78 0.00 | 76.98 4.94 0.00 | 55.26 3.12 -0.01 | 47.44 2.24 0.00 | 44.68 1.82 0.00 |
| EAST HAMPTON___GT 23717 | 30.50 1.25 -1.28 | 29.72 0.64 -0.85 | 35.89 0.33 0.01 | 29.74 0.41 0.01 | 27.94 0.48 0.01 | 33.85 0.72 -0.15 | 27.87 0.72 0.01 | 28.89 0.92 0.00 | 31.57 1.15 0.00 | 40.37 1.86 0.00 | 52.16 1.95 0.00 | 40.64 1.95 -2.77 | 39.49 2.90 -3.11 | 29.68 2.70 -0.18 | 30.12 2.23 -0.25 | 27.94 1.83 0.00 | 31.83 1.98 0.00 | 36.82 1.77 0.00 | 46.25 2.16 0.00 | 62.39 3.02 0.00 | 77.71 5.56 -0.12 | 55.81 3.68 0.01 | 48.25 2.63 -0.43 | 44.82 1.91 -0.06 |
| EAST RIVER___6 23660 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.68 1.34 0.00 | 28.77 1.29 0.00 | 34.64 1.67 0.00 | 29.04 1.89 0.00 | 30.22 2.24 0.00 | 32.87 2.46 0.00 | 41.54 3.03 0.00 | 53.92 3.71 0.00 | 38.72 2.79 0.00 | 36.31 2.83 0.00 | 29.02 2.22 0.00 | 29.91 2.26 0.00 | 28.18 2.07 0.00 | 32.29 2.44 0.00 | 37.85 2.80 0.00 | 47.62 3.53 0.00 | 63.96 4.58 0.00 | 76.78 4.75 0.00 | 55.12 2.99 0.00 | 47.39 2.19 0.00 | 44.67 1.81 0.00 |
| EAST RIVER___7 23524 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.68 1.34 0.00 | 28.77 1.29 0.00 | 34.64 1.67 0.00 | 29.04 1.89 0.00 | 30.22 2.24 0.00 | 32.87 2.46 0.00 | 41.54 3.03 0.00 | 53.92 3.71 0.00 | 38.72 2.79 0.00 | 36.31 2.83 0.00 | 29.02 2.22 0.00 | 29.91 2.26 0.00 | 28.18 2.07 0.00 | 32.29 2.44 0.00 | 37.85 2.80 0.00 | 47.62 3.53 0.00 | 63.96 4.58 0.00 | 76.78 4.75 0.00 | 55.12 2.99 0.00 | 47.39 2.19 0.00 | 44.67 1.81 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.92 1.35 0.00 | 30.53 1.20 0.00 | 28.62 1.15 0.00 | 34.46 1.48 0.00 | 28.85 1.70 0.00 | 29.98 2.00 0.00 | 32.58 2.17 0.00 | 41.20 2.69 0.00 | 53.50 3.29 0.00 | 38.38 2.46 0.00 | 35.98 2.50 0.00 | 28.74 1.94 0.00 | 29.61 1.96 0.00 | 27.91 1.80 0.00 | 31.98 2.14 0.00 | 37.52 2.47 0.00 | 47.23 3.13 0.00 | 63.51 4.14 0.00 | 76.32 4.28 0.00 | 54.81 2.67 0.00 | 47.08 1.88 0.00 | 44.38 1.53 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 30.44 1.19 -1.28 | 29.63 0.56 -0.85 | 35.78 0.21 0.01 | 29.64 0.31 0.01 | 27.85 0.38 0.01 | 33.74 0.60 -0.15 | 27.77 0.63 0.01 | 28.79 0.82 0.00 | 31.46 1.05 0.00 | 40.25 1.74 0.00 | 51.99 1.78 0.00 | 40.52 1.83 -2.77 | 39.43 2.83 -3.11 | 29.66 2.68 -0.18 | 30.06 2.18 -0.25 | 27.89 1.78 0.00 | 31.77 1.92 0.00 | 36.73 1.68 0.00 | 46.09 2.00 0.00 | 62.21 2.83 0.00 | 77.59 5.44 -0.12 | 55.74 3.61 0.01 | 48.20 2.57 -0.43 | 44.76 1.84 -0.06 |
| EAST_POINT___SOLAR 323840 | 29.29 1.32 0.00 | 29.51 1.30 0.00 | 37.28 1.71 0.00 | 30.73 1.40 0.00 | 28.77 1.30 0.00 | 34.60 1.63 0.00 | 28.87 1.72 0.00 | 29.76 1.79 0.00 | 32.07 1.66 0.00 | 40.91 2.40 0.00 | 53.07 2.86 0.00 | 37.15 1.23 0.00 | 34.63 1.15 0.00 | 27.37 0.57 0.00 | 27.97 0.33 0.00 | 26.67 0.56 0.00 | 30.71 0.86 0.00 | 36.95 1.90 0.00 | 46.55 2.46 0.00 | 63.07 3.69 0.00 | 76.67 4.64 0.00 | 55.45 3.31 0.00 | 48.03 2.84 0.00 | 45.43 2.57 0.00 |
| EAST_PULASKI___ESR 323781 | 27.21 -0.76 0.00 | 27.38 -0.84 0.00 | 34.47 -1.10 0.00 | 28.40 -0.94 0.00 | 26.63 -0.85 0.00 | 32.01 -0.97 0.00 | 26.49 -0.66 0.00 | 27.24 -0.73 0.00 | 29.68 -0.74 0.00 | 37.75 -0.76 0.00 | 48.83 -1.38 0.00 | 34.67 -1.25 0.00 | 32.19 -1.29 0.00 | 25.93 -0.87 0.00 | 26.74 -0.90 0.00 | 25.32 -0.79 0.00 | 28.99 -0.86 0.00 | 34.16 -0.89 0.00 | 43.16 -0.93 0.00 | 58.12 -1.26 0.00 | 70.68 -1.36 0.00 | 51.01 -1.13 0.00 | 44.35 -0.85 0.00 | 42.04 -0.82 0.00 |
| EAST_RIVER___1 323558 | 29.24 1.27 0.00 | 29.50 1.29 0.00 | 37.06 1.49 0.00 | 30.65 1.31 0.00 | 28.74 1.26 0.00 | 34.61 1.63 0.00 | 29.01 1.85 0.00 | 30.19 2.21 0.00 | 32.83 2.41 0.00 | 41.49 2.98 0.00 | 53.85 3.64 0.00 | 38.66 2.74 0.00 | 36.27 2.79 0.00 | 28.98 2.18 0.00 | 29.86 2.22 0.00 | 28.15 2.03 0.00 | 32.24 2.39 0.00 | 37.80 2.75 0.00 | 47.56 3.46 0.00 | 63.89 4.51 0.00 | 76.73 4.70 0.00 | 55.08 2.94 0.00 | 47.33 2.14 0.00 | 44.61 1.76 0.00 |
| EAST_RIVER___2 323559 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.68 1.34 0.00 | 28.77 1.29 0.00 | 34.64 1.67 0.00 | 29.04 1.89 0.00 | 30.22 2.24 0.00 | 32.87 2.46 0.00 | 41.54 3.03 0.00 | 53.92 3.71 0.00 | 38.72 2.79 0.00 | 36.31 2.83 0.00 | 29.02 2.22 0.00 | 29.91 2.26 0.00 | 28.18 2.07 0.00 | 32.29 2.44 0.00 | 37.85 2.80 0.00 | 47.62 3.53 0.00 | 63.96 4.58 0.00 | 76.78 4.75 0.00 | 55.12 2.99 0.00 | 47.39 2.19 0.00 | 44.67 1.81 0.00 |
| EAST___DELAWARE_HYD 23607 | 29.05 1.08 0.00 | 29.29 1.07 0.00 | 36.83 1.26 0.00 | 30.42 1.09 0.00 | 28.55 1.08 0.00 | 34.35 1.37 0.00 | 28.72 1.57 0.00 | 29.81 1.84 0.00 | 32.39 1.97 0.00 | 41.00 2.50 0.00 | 53.27 3.06 0.00 | 38.10 2.18 0.00 | 35.43 1.95 0.00 | 28.27 1.47 0.00 | 29.14 1.50 0.00 | 27.51 1.40 0.00 | 31.60 1.75 0.00 | 37.23 2.18 0.00 | 47.02 2.93 0.00 | 63.27 3.89 0.00 | 76.12 4.08 0.00 | 54.72 2.59 0.00 | 47.01 1.81 0.00 | 44.31 1.45 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 28.03 -3.16 -3.22 | 38.14 -3.03 -12.95 | 31.81 -3.76 0.00 | 26.11 -3.22 0.00 | 24.64 -2.83 0.00 | 37.43 -3.49 -7.94 | 46.91 -2.66 -22.42 | 45.27 -2.72 -20.01 | 50.30 -2.89 -22.77 | 64.72 -3.79 -30.00 | 81.85 -5.00 -36.65 | 60.62 -3.72 -28.42 | 58.36 -3.66 -28.55 | 30.27 -3.06 -6.53 | 24.95 -2.69 0.00 | 23.33 -2.78 0.00 | 28.87 -2.68 -1.70 | 57.79 -3.13 -25.87 | 77.03 -3.04 -35.98 | 96.63 -5.11 -42.36 | 103.67 -6.02 -37.65 | 49.75 -4.54 -2.16 | 41.59 -3.61 0.00 | 39.86 -3.00 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 27.54 -0.43 0.00 | 27.79 -0.43 0.00 | 35.06 -0.51 0.00 | 28.85 -0.49 0.00 | 27.06 -0.41 0.00 | 32.51 -0.46 0.00 | 26.89 -0.27 0.00 | 27.60 -0.37 0.00 | 30.01 -0.40 0.00 | 37.99 -0.52 0.00 | 49.38 -0.83 0.00 | 35.37 -0.55 0.00 | 32.93 -0.55 0.00 | 26.31 -0.48 0.00 | 27.15 -0.50 0.00 | 25.67 -0.44 0.00 | 29.41 -0.43 0.00 | 34.61 -0.45 0.00 | 43.63 -0.46 0.00 | 58.70 -0.67 0.00 | 71.14 -0.89 0.00 | 51.51 -0.63 0.00 | 44.70 -0.50 0.00 | 42.45 -0.40 0.00 |
| ELEC_TRO_TEK 24086 | 40.01 1.45 -10.59 | 36.80 1.51 -7.06 | 37.25 1.67 -0.01 | 30.79 1.44 -0.01 | 28.90 1.42 -0.01 | 36.16 1.83 -1.35 | 28.93 1.77 -0.01 | 29.93 1.96 0.00 | 32.61 2.19 0.00 | 41.33 2.82 0.00 | 53.67 3.46 0.00 | 57.00 2.79 -18.28 | 51.07 2.79 -14.79 | 30.43 2.16 -1.47 | 31.88 2.23 -2.00 | 28.09 1.99 0.00 | 32.03 2.18 0.00 | 37.49 2.44 0.00 | 47.41 3.32 0.00 | 63.63 4.25 0.00 | 77.61 4.61 -0.98 | 55.16 3.02 -0.01 | 51.01 2.33 -3.49 | 45.21 1.85 -0.50 |

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|--------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| ELLENBURG_WT_PWR 323604 | 27.31 -0.66 0.00 | 27.48 -0.75 0.00 | 7.34 -0.98 27.25 | 12.31 -0.85 16.18 | -17.12 -0.93 43.65 | -48.08 -1.27 79.79 | -21.01 -0.91 47.25 | -21.05 -0.83 48.19 | -3.91 -0.87 33.47 | 18.13 -0.96 19.42 | 50.16 -0.05 0.00 | 35.90 -0.02 0.00 | 33.15 -0.33 0.00 | 26.58 -0.22 0.00 | 27.42 -0.22 0.00 | 25.77 -0.34 0.00 | 29.16 -0.69 0.00 | 33.98 -1.07 0.00 | 37.91 -1.48 4.70 | -21.08 -2.01 78.45 | 63.62 -1.12 7.29 | 51.80 -0.34 0.00 | 45.31 0.11 0.00 | 42.92 0.06 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 24.93 -2.40 0.64 | 23.26 -2.40 2.56 | 32.87 -2.70 0.00 | 26.73 -2.60 0.00 | 25.08 -2.39 0.00 | 28.71 -2.71 1.57 | 20.57 -2.15 4.43 | 21.64 -2.32 4.01 | 23.70 -2.15 4.56 | 29.92 -2.58 6.01 | 39.47 -3.40 7.34 | 28.11 -2.12 5.69 | 25.54 -2.22 5.72 | 23.66 -1.83 1.31 | 26.05 -1.60 0.00 | 24.51 -1.60 0.00 | 27.66 -1.85 0.34 | 27.69 -2.18 5.19 | 34.35 -2.52 7.22 | 47.36 -3.51 8.50 | 60.48 -4.00 7.55 | 49.01 -2.70 0.43 | 43.32 -1.88 0.00 | 41.37 -1.49 0.00 |
| EMPIRE_CC_1 323656 | 28.66 0.70 0.00 | 28.88 0.66 0.00 | 36.31 0.73 0.00 | 30.02 0.69 0.00 | 28.17 0.70 0.00 | 33.81 0.84 0.00 | 28.17 1.02 0.00 | 28.69 0.71 0.00 | 30.98 0.56 0.00 | 39.23 0.72 0.00 | 51.09 0.88 0.00 | 36.37 0.45 0.00 | 33.99 0.51 0.00 | 27.21 0.41 0.00 | 28.26 0.62 0.00 | 26.89 0.78 0.00 | 30.92 1.07 0.00 | 36.24 1.19 0.00 | 45.53 1.44 0.00 | 61.29 1.92 0.00 | 73.62 1.59 0.00 | 53.11 0.97 0.00 | 45.65 0.45 0.00 | 43.20 0.34 0.00 |
| EMPIRE_CC_2 323658 | 28.66 0.70 0.00 | 28.88 0.66 0.00 | 36.31 0.73 0.00 | 30.02 0.69 0.00 | 28.17 0.70 0.00 | 33.81 0.84 0.00 | 28.17 1.02 0.00 | 28.69 0.71 0.00 | 30.98 0.56 0.00 | 39.23 0.72 0.00 | 51.09 0.88 0.00 | 36.37 0.45 0.00 | 33.99 0.51 0.00 | 27.21 0.41 0.00 | 28.26 0.62 0.00 | 26.89 0.78 0.00 | 30.92 1.07 0.00 | 36.24 1.19 0.00 | 45.53 1.44 0.00 | 61.29 1.92 0.00 | 73.62 1.59 0.00 | 53.11 0.97 0.00 | 45.65 0.45 0.00 | 43.20 0.34 0.00 |
| ENORWICH_115KV_TB1 80156 | 27.74 -0.40 -0.18 | 28.45 -0.49 -0.72 | 34.96 -0.61 0.00 | 28.81 -0.52 0.00 | 27.01 -0.46 0.00 | 33.12 -0.30 -0.44 | 28.65 0.25 -1.25 | 29.46 0.37 -1.12 | 32.16 0.48 -1.27 | 40.80 0.61 -1.67 | 52.88 0.64 -2.04 | 38.36 0.86 -1.58 | 35.92 0.85 -1.59 | 27.11 -0.06 -0.36 | 27.20 -0.44 0.00 | 25.92 -0.18 0.00 | 30.05 0.10 -0.09 | 37.16 0.66 -1.45 | 47.55 1.45 -2.01 | 64.06 2.32 -2.37 | 76.48 2.34 -2.11 | 53.50 1.25 -0.12 | 45.51 0.31 0.00 | 43.14 0.28 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 25.27 -2.16 0.53 | 23.87 -2.20 2.15 | 33.15 -2.42 0.00 | 26.99 -2.34 0.00 | 25.32 -2.15 0.00 | 29.27 -2.39 1.32 | 21.55 -2.01 3.71 | 22.76 -1.90 3.21 | 24.94 -1.84 3.64 | 31.55 -2.16 4.80 | 41.47 -2.88 5.86 | 29.61 -1.77 4.55 | 27.05 -1.86 4.56 | 24.22 -1.54 1.04 | 26.35 -1.29 0.00 | 24.80 -1.31 0.00 | 28.06 -1.52 0.27 | 29.08 -1.83 4.15 | 36.25 -2.08 5.76 | 49.64 -2.95 6.79 | 62.74 -3.25 6.03 | 49.67 -2.12 0.35 | 43.76 -1.43 0.00 | 41.73 -1.13 0.00 |
| ERIE_WT_PWR 323693 | 25.09 -2.31 0.57 | 23.61 -2.31 2.31 | 32.98 -2.59 0.00 | 26.82 -2.52 0.00 | 25.18 -2.30 0.00 | 29.01 -2.55 1.41 | 21.15 -2.01 3.99 | 22.15 -2.16 3.66 | 24.28 -1.98 4.16 | 30.64 -2.39 5.48 | 40.38 -3.14 6.69 | 28.80 -1.94 5.19 | 26.30 -1.97 5.21 | 23.92 -1.69 1.19 | 26.16 -1.48 0.00 | 24.63 -1.48 0.00 | 27.83 -1.71 0.31 | 28.35 -1.97 4.73 | 35.23 -2.29 6.58 | 48.45 -3.17 7.75 | 61.59 -3.56 6.89 | 49.35 -2.39 0.39 | 43.55 -1.64 0.00 | 41.58 -1.27 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 28.60 0.63 0.00 | 28.85 0.63 0.00 | 36.46 0.88 0.00 | 30.06 0.73 0.00 | 28.12 0.65 0.00 | 33.74 0.76 0.00 | 28.11 0.96 0.00 | 29.05 1.08 0.00 | 31.74 1.32 0.00 | 40.31 1.80 0.00 | 52.35 2.14 0.00 | 37.42 1.50 0.00 | 34.85 1.37 0.00 | 27.71 0.91 0.00 | 28.36 0.71 0.00 | 26.87 0.76 0.00 | 30.79 0.94 0.00 | 36.28 1.23 0.00 | 45.73 1.64 0.00 | 61.66 2.28 0.00 | 75.03 3.00 0.00 | 54.33 2.19 0.00 | 47.16 1.96 0.00 | 44.66 1.80 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 28.07 -0.18 -0.28 | 29.18 -0.19 -1.15 | 35.37 -0.20 0.00 | 29.12 -0.22 0.00 | 27.30 -0.17 0.00 | 33.57 -0.11 -0.70 | 29.29 0.14 -1.99 | 29.90 0.14 -1.78 | 32.62 0.17 -2.03 | 41.37 0.18 -2.68 | 53.51 0.03 -3.27 | 38.53 0.07 -2.54 | 35.98 -0.05 -2.55 | 27.22 -0.16 -0.58 | 27.42 -0.22 0.00 | 25.93 -0.18 0.00 | 30.00 0.00 -0.15 | 37.56 0.20 -2.31 | 47.76 0.46 -3.21 | 63.81 0.66 -3.78 | 76.06 0.67 -3.36 | 52.67 0.34 -0.19 | 45.39 0.19 0.00 | 43.05 0.19 0.00 |
| ETNA____115KV_TB2 80207 | 28.07 -0.18 -0.28 | 29.18 -0.19 -1.15 | 35.37 -0.20 0.00 | 29.12 -0.22 0.00 | 27.30 -0.17 0.00 | 33.57 -0.11 -0.70 | 29.29 0.14 -1.99 | 29.90 0.14 -1.78 | 32.62 0.17 -2.03 | 41.37 0.18 -2.68 | 53.51 0.03 -3.27 | 38.53 0.07 -2.54 | 35.98 -0.05 -2.55 | 27.22 -0.16 -0.58 | 27.42 -0.22 0.00 | 25.93 -0.18 0.00 | 30.00 0.00 -0.15 | 37.56 0.20 -2.31 | 47.76 0.46 -3.21 | 63.81 0.66 -3.78 | 76.06 0.67 -3.36 | 52.67 0.34 -0.19 | 45.39 0.19 0.00 | 43.05 0.19 0.00 |
| EUCLID__115KV_TB2 356179 | 27.46 -0.51 0.00 | 27.71 -0.51 0.00 | 34.95 -0.62 0.00 | 28.79 -0.55 0.00 | 26.98 -0.49 0.00 | 32.40 -0.58 0.00 | 26.75 -0.40 0.00 | 27.49 -0.48 0.00 | 29.92 -0.50 0.00 | 37.85 -0.65 0.00 | 49.22 -0.99 0.00 | 35.24 -0.68 0.00 | 32.81 -0.67 0.00 | 26.29 -0.51 0.00 | 27.11 -0.53 0.00 | 25.64 -0.47 0.00 | 29.36 -0.50 0.00 | 34.51 -0.54 0.00 | 43.48 -0.61 0.00 | 58.52 -0.86 0.00 | 70.85 -1.18 0.00 | 51.31 -0.83 0.00 | 44.53 -0.66 0.00 | 42.30 -0.56 0.00 |
| E_CANADA_CAP_HY 24051 | 28.86 0.89 0.00 | 29.08 0.86 0.00 | 36.78 1.20 0.00 | 30.31 0.97 0.00 | 28.34 0.86 0.00 | 34.00 1.02 0.00 | 28.33 1.17 0.00 | 29.22 1.25 0.00 | 31.79 1.37 0.00 | 40.42 1.91 0.00 | 52.49 2.28 0.00 | 37.29 1.36 0.00 | 34.64 1.16 0.00 | 27.52 0.72 0.00 | 28.18 0.53 0.00 | 26.76 0.65 0.00 | 30.71 0.86 0.00 | 36.36 1.31 0.00 | 45.78 1.69 0.00 | 61.82 2.44 0.00 | 75.40 3.36 0.00 | 54.68 2.54 0.00 | 47.53 2.33 0.00 | 45.04 2.18 0.00 |
| E_CANADA_MHWK_HY 24050 | 27.97 0.00 0.00 | 28.24 0.02 0.00 | 35.47 -0.10 0.00 | 29.37 0.04 0.00 | 27.50 0.03 0.00 | 33.03 0.06 0.00 | 27.42 0.26 0.00 | 28.25 0.27 0.00 | 30.55 0.13 0.00 | 38.86 0.35 0.00 | 50.41 0.20 0.00 | 35.41 -0.52 0.00 | 33.27 -0.21 0.00 | 26.30 -0.50 0.00 | 26.91 -0.73 0.00 | 25.53 -0.58 0.00 | 29.59 -0.26 0.00 | 35.36 0.31 0.00 | 44.54 0.45 0.00 | 60.09 0.71 0.00 | 72.01 -0.02 0.00 | 51.63 -0.50 0.00 | 44.22 -0.98 0.00 | 41.67 -1.19 0.00 |
| E_FISHKILL__LBMP 23776 | 28.97 1.00 0.00 | 29.24 1.03 0.00 | 36.76 1.18 0.00 | 30.39 1.05 0.00 | 28.50 1.03 0.00 | 34.28 1.30 0.00 | 28.67 1.52 0.00 | 29.77 1.80 0.00 | 32.33 1.91 0.00 | 40.89 2.38 0.00 | 53.11 2.90 0.00 | 38.06 2.14 0.00 | 35.65 2.17 0.00 | 28.50 1.70 0.00 | 29.36 1.71 0.00 | 27.66 1.55 0.00 | 31.71 1.86 0.00 | 37.24 2.18 0.00 | 46.85 2.76 0.00 | 63.03 3.65 0.00 | 75.74 3.71 0.00 | 54.43 2.29 0.00 | 46.77 1.57 0.00 | 44.11 1.26 0.00 |
| FALCON___SEABRD_CC1 323796 | 27.64 -0.33 0.00 | 27.82 -0.40 0.00 | 7.72 -0.60 27.25 | 12.54 -0.62 16.18 | -16.93 -0.75 43.65 | -47.85 -1.04 79.79 | -20.89 -0.79 47.25 | -20.91 -0.70 48.19 | -3.57 -0.52 33.47 | 18.61 -0.47 19.42 | 50.69 0.48 0.00 | 36.32 0.39 0.00 | 33.57 0.09 0.00 | 26.93 0.13 0.00 | 27.70 0.06 0.00 | 26.06 -0.05 0.00 | 29.55 -0.30 0.00 | 34.45 -0.60 0.00 | 38.50 -0.89 4.70 | -20.35 -1.28 78.45 | 64.35 -0.39 7.29 | 52.34 0.20 0.00 | 45.79 0.59 0.00 | 43.36 0.50 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|
| FALCON___SEABRD_CC2 323797 | 27.64 -0.33 0.00 | 27.82 -0.40 0.00 | 7.72 -0.60 27.25 | 12.54 -0.62 16.18 | -16.93 -0.75 43.65 | -47.85 -1.04 79.79 | -20.89 -0.79 47.25 | -20.91 -0.70 48.19 | -3.57 -0.52 33.47 | 18.61 -0.47 19.42 | 50.69 0.48 0.00 | 36.32 0.39 0.00 | 33.57 0.09 0.00 | 26.93 0.13 0.00 | 27.70 0.06 0.00 | 26.06 -0.05 0.00 | 29.55 -0.30 0.00 | 34.45 -0.60 0.00 | 38.50 -0.89 4.70 | -20.35 -1.28 78.45 | 64.35 -0.39 7.29 | 52.34 0.20 0.00 | 45.79 0.59 0.00 | 43.36 0.50 0.00 |
| FAR ROCKAWAY___4 23548 | 49.97 1.76 -20.24 | 43.55 1.82 -13.51 | 37.67 2.07 -0.03 | 31.13 1.76 -0.03 | 29.22 1.72 -0.03 | 37.77 2.20 -2.59 | 29.27 2.09 -0.03 | 30.24 2.26 -0.01 | 32.94 2.52 0.00 | 41.77 3.26 0.00 | 54.20 3.99 0.00 | 74.80 3.22 -35.66 | 63.71 3.21 -27.01 | 32.09 2.44 -2.84 | 34.08 2.55 -3.89 | 28.35 2.24 0.00 | 32.35 2.51 0.00 | 37.88 2.83 0.00 | 47.95 3.85 -0.01 | 64.36 4.98 -0.01 | 79.52 5.53 -1.96 | 55.85 3.69 -0.03 | 55.05 2.88 -6.97 | 46.20 2.37 -0.98 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 29.24 1.27 0.00 | 29.51 1.29 0.00 | 37.07 1.50 0.00 | 30.65 1.31 0.00 | 28.74 1.27 0.00 | 34.61 1.64 0.00 | 29.01 1.86 0.00 | 30.19 2.22 0.00 | 32.83 2.41 0.00 | 41.49 2.99 0.00 | 53.86 3.65 0.00 | 38.66 2.74 0.00 | 36.28 2.80 0.00 | 28.98 2.18 0.00 | 29.86 2.22 0.00 | 28.15 2.04 0.00 | 32.24 2.39 0.00 | 37.78 2.73 0.00 | 47.55 3.46 0.00 | 63.89 4.51 0.00 | 76.74 4.71 0.00 | 55.09 2.95 0.00 | 47.34 2.14 0.00 | 44.61 1.76 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 29.25 1.29 0.00 | 29.52 1.30 0.00 | 37.09 1.51 0.00 | 30.65 1.32 0.00 | 28.76 1.28 0.00 | 34.63 1.65 0.00 | 29.02 1.87 0.00 | 30.20 2.23 0.00 | 32.84 2.42 0.00 | 41.50 2.99 0.00 | 53.87 3.66 0.00 | 38.67 2.75 0.00 | 36.29 2.81 0.00 | 28.99 2.19 0.00 | 29.87 2.22 0.00 | 28.15 2.04 0.00 | 32.24 2.39 0.00 | 37.79 2.74 0.00 | 47.56 3.47 0.00 | 63.92 4.55 0.00 | 76.77 4.74 0.00 | 55.11 2.97 0.00 | 47.36 2.16 0.00 | 44.64 1.78 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 29.23 1.26 0.00 | 29.50 1.28 0.00 | 37.05 1.48 0.00 | 30.63 1.30 0.00 | 28.73 1.26 0.00 | 34.60 1.62 0.00 | 29.01 1.85 0.00 | 30.18 2.20 0.00 | 32.82 2.40 0.00 | 41.48 2.97 0.00 | 53.84 3.63 0.00 | 38.64 2.72 0.00 | 36.25 2.77 0.00 | 28.97 2.17 0.00 | 29.85 2.21 0.00 | 28.13 2.02 0.00 | 32.22 2.37 0.00 | 37.78 2.72 0.00 | 47.52 3.43 0.00 | 63.87 4.50 0.00 | 76.70 4.67 0.00 | 55.05 2.92 0.00 | 47.31 2.12 0.00 | 44.59 1.74 0.00 |
| FARRAGUT___LBMP 323566 | 29.21 1.24 0.00 | 29.48 1.26 0.00 | 37.03 1.45 0.00 | 30.62 1.28 0.00 | 28.71 1.24 0.00 | 34.58 1.60 0.00 | 28.98 1.83 0.00 | 30.15 2.18 0.00 | 32.79 2.38 0.00 | 41.44 2.93 0.00 | 53.79 3.58 0.00 | 38.60 2.68 0.00 | 36.22 2.74 0.00 | 28.94 2.14 0.00 | 29.83 2.18 0.00 | 28.10 1.99 0.00 | 32.19 2.34 0.00 | 37.74 2.69 0.00 | 47.48 3.39 0.00 | 63.82 4.44 0.00 | 76.63 4.60 0.00 | 55.02 2.89 0.00 | 47.27 2.08 0.00 | 44.56 1.71 0.00 |
| FENNER___WINDPWR 24204 | 27.95 -0.03 0.00 | 28.19 -0.04 0.00 | 35.49 -0.08 0.00 | 29.25 -0.08 0.00 | 27.42 -0.05 0.00 | 32.98 0.01 0.00 | 27.35 0.20 0.00 | 28.19 0.21 0.00 | 30.71 0.29 0.00 | 38.94 0.43 0.00 | 50.47 0.27 0.00 | 36.07 0.14 0.00 | 33.59 0.11 0.00 | 26.79 -0.01 0.00 | 27.63 -0.02 0.00 | 26.19 0.08 0.00 | 30.09 0.24 0.00 | 35.48 0.43 0.00 | 44.78 0.69 0.00 | 60.32 0.94 0.00 | 73.03 0.99 0.00 | 52.63 0.49 0.00 | 45.54 0.34 0.00 | 43.19 0.34 0.00 |
| FIBERTEK___ENERGY 23856 | 27.70 -0.27 0.00 | 27.94 -0.28 0.00 | 35.24 -0.33 0.00 | 29.02 -0.32 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.13 0.00 | 27.76 -0.21 0.00 | 30.19 -0.22 0.00 | 38.21 -0.30 0.00 | 49.65 -0.56 0.00 | 35.56 -0.36 0.00 | 33.11 -0.37 0.00 | 26.49 -0.31 0.00 | 27.30 -0.34 0.00 | 25.83 -0.28 0.00 | 29.60 -0.25 0.00 | 34.83 -0.22 0.00 | 43.91 -0.18 0.00 | 59.09 -0.29 0.00 | 71.56 -0.47 0.00 | 51.79 -0.34 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |
| FITZPATRICK____ 23598 | 27.18 -0.79 0.00 | 27.42 -0.79 0.00 | 34.57 -1.00 0.00 | 28.49 -0.84 0.00 | 26.70 -0.77 0.00 | 32.03 -0.95 0.00 | 26.39 -0.76 0.00 | 27.09 -0.88 0.00 | 29.46 -0.96 0.00 | 37.25 -1.26 0.00 | 48.47 -1.74 0.00 | 34.70 -1.22 0.00 | 32.33 -1.15 0.00 | 25.92 -0.88 0.00 | 26.74 -0.90 0.00 | 25.28 -0.83 0.00 | 28.90 -0.95 0.00 | 33.94 -1.11 0.00 | 42.73 -1.36 0.00 | 57.52 -1.86 0.00 | 69.67 -2.36 0.00 | 50.54 -1.59 0.00 | 43.92 -1.27 0.00 | 41.75 -1.11 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 30.91 1.56 -1.38 | 30.72 1.58 -0.92 | 37.25 1.68 0.01 | 30.82 1.49 0.01 | 28.94 1.47 0.01 | 35.05 1.90 -0.17 | 28.86 1.72 0.01 | 29.85 1.88 0.00 | 32.64 2.22 0.00 | 41.53 3.03 0.00 | 53.86 3.65 0.00 | 41.93 3.15 -2.86 | 39.88 3.21 -3.19 | 29.47 2.48 -0.19 | 30.35 2.45 -0.26 | 28.36 2.25 0.00 | 32.20 2.35 0.00 | 37.60 2.55 0.00 | 47.67 3.58 0.00 | 63.97 4.60 0.00 | 77.37 5.22 -0.12 | 55.68 3.55 0.01 | 48.48 2.83 -0.45 | 45.06 2.15 -0.06 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 29.25 1.29 0.00 | 29.52 1.31 0.00 | 37.10 1.53 0.00 | 30.67 1.34 0.00 | 28.77 1.30 0.00 | 34.63 1.66 0.00 | 29.00 1.85 0.00 | 30.15 2.18 0.00 | 32.70 2.28 0.00 | 41.34 2.83 0.00 | 53.70 3.49 0.00 | 38.48 2.55 0.00 | 35.98 2.50 0.00 | 28.72 1.92 0.00 | 29.59 1.94 0.00 | 27.91 1.80 0.00 | 32.05 2.20 0.00 | 37.67 2.61 0.00 | 47.43 3.34 0.00 | 63.83 4.46 0.00 | 76.71 4.68 0.00 | 55.09 2.96 0.00 | 47.30 2.11 0.00 | 44.59 1.73 0.00 |
| FORT ORANGE____ 23900 | 28.66 0.69 0.00 | 28.91 0.69 0.00 | 36.37 0.79 0.00 | 30.06 0.73 0.00 | 28.21 0.74 0.00 | 33.88 0.90 0.00 | 28.29 1.13 0.00 | 28.96 0.99 0.00 | 31.20 0.79 0.00 | 39.41 0.91 0.00 | 51.25 1.04 0.00 | 36.52 0.60 0.00 | 34.11 0.63 0.00 | 27.30 0.50 0.00 | 28.19 0.55 0.00 | 26.77 0.66 0.00 | 30.83 0.98 0.00 | 36.22 1.17 0.00 | 45.58 1.49 0.00 | 61.46 2.08 0.00 | 73.90 1.87 0.00 | 53.21 1.08 0.00 | 45.74 0.54 0.00 | 43.21 0.35 0.00 |
| FORT_DRUM_COGEN 23780 | 27.07 -0.90 0.00 | 27.08 -1.14 0.00 | 35.14 -1.67 -1.24 | 28.65 -1.42 -0.74 | 28.15 -1.31 -1.98 | 33.53 -1.36 -1.91 | 28.47 -0.81 -2.13 | 29.28 -0.80 -2.11 | 31.25 -0.63 -1.47 | 39.33 -0.03 -0.85 | 49.12 -1.09 0.00 | 34.34 -1.59 0.00 | 31.43 -2.05 0.00 | 25.61 -1.19 0.00 | 26.48 -1.17 0.00 | 25.08 -1.03 0.00 | 28.81 -1.04 0.00 | 34.06 -0.99 0.00 | 43.50 -0.80 -0.20 | 61.76 -0.99 -3.37 | 72.35 -0.01 -0.33 | 51.52 -0.61 0.00 | 44.96 -0.24 0.00 | 42.39 -0.47 0.00 |
| FOX_HILLS___ESR 323835 | 46.25 1.46 -16.82 | 45.45 1.48 -15.75 | 45.44 1.73 -8.14 | 46.78 1.51 -15.94 | 44.93 1.46 -15.99 | 45.49 1.85 -10.67 | 45.42 2.03 -16.24 | 45.75 2.39 -15.39 | 46.08 2.59 -13.08 | 47.84 3.23 -6.10 | 59.57 3.84 -5.51 | 48.73 2.94 -9.87 | 47.14 2.92 -10.74 | 46.46 2.30 -17.37 | 49.88 2.33 -19.91 | 46.20 2.20 -17.90 | 49.54 2.57 -17.12 | 49.59 2.94 -11.60 | 55.63 3.66 -7.87 | 70.25 4.77 -6.11 | 78.28 4.97 -1.27 | 61.37 3.18 -6.06 | 49.09 2.42 -1.47 | 51.45 2.06 -6.53 |
| FPL FAR_ROCK_GT1 24212 | 49.97 1.76 -20.24 | 43.55 1.82 -13.51 | 37.66 2.06 -0.03 | 31.13 1.76 -0.03 | 29.22 1.72 -0.03 | 37.77 2.20 -2.59 | 29.26 2.08 -0.03 | 30.23 2.25 -0.01 | 32.94 2.52 0.00 | 41.76 3.25 0.00 | 54.19 3.98 0.00 | 74.80 3.22 -35.66 | 63.69 3.19 -27.01 | 32.09 2.44 -2.84 | 34.08 2.55 -3.89 | 28.35 2.24 0.00 | 32.36 2.51 0.00 | 37.88 2.83 0.00 | 47.96 3.86 -0.01 | 64.36 4.98 -0.01 | 79.52 5.53 -1.96 | 55.84 3.68 -0.03 | 55.05 2.88 -6.97 | 46.20 2.37 -0.98 |

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|-------------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|
| FPL FAR_ROCK_GT2 23815 | 49.97 1.76 -20.24 | 43.55 1.82 -13.51 | 37.66 2.06 -0.03 | 31.13 1.76 -0.03 | 29.22 1.72 -0.03 | 37.77 2.20 -2.59 | 29.26 2.08 -0.03 | 30.23 2.25 -0.01 | 32.94 2.52 0.00 | 41.76 3.25 0.00 | 54.19 3.98 0.00 | 74.80 3.22 -35.66 | 63.69 3.19 -27.01 | 32.09 2.44 -2.84 | 34.08 2.55 -3.89 | 28.35 2.24 0.00 | 32.36 2.51 0.00 | 37.88 2.83 0.00 | 47.96 3.86 -0.01 | 64.36 4.98 -0.01 | 79.52 5.53 -1.96 | 55.84 3.68 -0.03 | 55.05 2.88 -6.97 | 46.20 2.37 -0.98 |
| FRANKLIN_FALL_HYD 24054 | 27.58 -0.38 0.00 | 27.72 -0.50 0.00 | 54.25 -0.66 -19.34 | 40.20 -0.61 -11.48 | 57.76 -0.69 -30.97 | 61.90 -0.88 -29.80 | 59.79 -0.59 -33.22 | 60.52 -0.43 -32.98 | 52.88 -0.44 -22.90 | 51.46 -0.34 -13.29 | 50.80 0.59 0.00 | 36.25 0.33 0.00 | 33.46 -0.02 0.00 | 26.78 -0.02 0.00 | 27.69 0.04 0.00 | 26.04 -0.07 0.00 | 29.50 -0.35 0.00 | 34.45 -0.60 0.00 | 46.55 -0.82 -3.27 | 112.98 -1.05 -54.65 | 77.20 0.03 -5.14 | 52.53 0.39 0.00 | 45.87 0.67 0.00 | 43.44 0.59 0.00 |
| FREEPORT_EQUS_GT1 23764 | 38.40 1.61 -8.82 | 35.77 1.66 -5.88 | 37.43 1.85 -0.01 | 30.93 1.59 -0.01 | 29.04 1.55 -0.01 | 36.10 2.00 -1.13 | 29.03 1.87 -0.01 | 29.98 2.00 0.00 | 32.67 2.25 0.00 | 41.42 2.91 0.00 | 53.79 3.58 0.00 | 52.94 2.90 -14.11 | 48.03 2.92 -11.63 | 30.23 2.25 -1.19 | 31.57 2.31 -1.62 | 28.17 2.06 0.00 | 32.11 2.26 0.00 | 37.56 2.51 0.00 | 47.57 3.47 0.00 | 63.86 4.48 0.00 | 77.71 4.93 -0.75 | 55.35 3.21 -0.01 | 50.44 2.55 -2.70 | 45.27 2.01 -0.41 |
| FREEPORT___CT2 23818 | 38.40 1.61 -8.82 | 35.77 1.66 -5.88 | 37.43 1.85 -0.01 | 30.93 1.59 -0.01 | 29.04 1.55 -0.01 | 36.10 2.00 -1.13 | 29.03 1.87 -0.01 | 29.98 2.00 0.00 | 32.67 2.25 0.00 | 41.42 2.91 0.00 | 53.79 3.58 0.00 | 52.94 2.90 -14.11 | 48.03 2.92 -11.63 | 30.23 2.25 -1.19 | 31.57 2.31 -1.62 | 28.17 2.06 0.00 | 32.11 2.26 0.00 | 37.56 2.51 0.00 | 47.57 3.47 0.00 | 63.86 4.48 0.00 | 77.71 4.93 -0.75 | 55.35 3.21 -0.01 | 50.44 2.55 -2.70 | 45.27 2.01 -0.41 |
| FRESHKLS_33_KV_LOAD 356253 | 46.22 1.43 -16.82 | 45.44 1.47 -15.75 | 45.41 1.69 -8.14 | 46.76 1.48 -15.94 | 44.94 1.47 -15.99 | 45.49 1.85 -10.67 | 45.41 2.02 -16.24 | 45.73 2.36 -15.39 | 46.04 2.55 -13.08 | 47.82 3.21 -6.10 | 59.48 3.75 -5.51 | 48.67 2.88 -9.87 | 47.03 2.82 -10.74 | 46.38 2.22 -17.37 | 49.80 2.25 -19.91 | 46.17 2.17 -17.90 | 49.51 2.55 -17.12 | 49.56 2.91 -11.60 | 55.59 3.62 -7.87 | 70.18 4.69 -6.11 | 78.16 4.85 -1.27 | 61.25 3.06 -6.06 | 49.03 2.36 -1.47 | 51.44 2.05 -6.53 |
| FULTON COGEN____ 23766 | 27.35 -0.62 0.00 | 27.57 -0.65 0.00 | 34.78 -0.79 0.00 | 28.66 -0.68 0.00 | 26.86 -0.62 0.00 | 32.24 -0.74 0.00 | 26.62 -0.53 0.00 | 27.37 -0.60 0.00 | 29.76 -0.66 0.00 | 37.63 -0.88 0.00 | 48.94 -1.28 0.00 | 34.92 -1.01 0.00 | 32.57 -0.91 0.00 | 26.14 -0.66 0.00 | 26.92 -0.72 0.00 | 25.45 -0.66 0.00 | 29.17 -0.68 0.00 | 34.31 -0.74 0.00 | 43.26 -0.83 0.00 | 58.25 -1.13 0.00 | 70.51 -1.52 0.00 | 51.04 -1.09 0.00 | 44.31 -0.89 0.00 | 42.08 -0.78 0.00 |
| FULTON___LFGE 323630 | 29.14 1.17 0.00 | 29.38 1.16 0.00 | 37.08 1.51 0.00 | 30.56 1.22 0.00 | 28.63 1.16 0.00 | 34.42 1.44 0.00 | 28.69 1.53 0.00 | 29.57 1.59 0.00 | 32.06 1.64 0.00 | 40.71 2.21 0.00 | 52.85 2.64 0.00 | 37.29 1.37 0.00 | 34.64 1.16 0.00 | 27.33 0.53 0.00 | 28.05 0.40 0.00 | 26.66 0.55 0.00 | 30.69 0.84 0.00 | 36.80 1.75 0.00 | 46.35 2.26 0.00 | 62.74 3.36 0.00 | 76.14 4.11 0.00 | 55.03 2.89 0.00 | 47.63 2.43 0.00 | 45.04 2.18 0.00 |
| G.F.CEMENT___DRP 24184 | 29.38 1.41 0.00 | 29.63 1.41 0.00 | 37.33 1.75 0.00 | 30.77 1.44 0.00 | 28.78 1.31 0.00 | 34.48 1.50 0.00 | 28.60 1.45 0.00 | 29.52 1.55 0.00 | 32.17 1.76 0.00 | 40.79 2.28 0.00 | 52.96 2.75 0.00 | 37.51 1.59 0.00 | 34.98 1.50 0.00 | 27.88 1.08 0.00 | 28.61 0.96 0.00 | 26.96 0.84 0.00 | 31.03 1.18 0.00 | 36.95 1.90 0.00 | 46.64 2.55 0.00 | 62.91 3.54 0.00 | 75.60 3.57 0.00 | 54.37 2.24 0.00 | 46.52 1.32 0.00 | 43.85 0.99 0.00 |
| GARDENVILLE___LBMP 24039 | 25.00 -2.37 0.60 | 23.43 -2.36 2.42 | 32.93 -2.65 0.00 | 26.78 -2.55 0.00 | 25.12 -2.35 0.00 | 28.84 -2.65 1.49 | 20.86 -2.09 4.20 | 21.90 -2.25 3.82 | 24.00 -2.07 4.34 | 30.29 -2.50 5.72 | 39.94 -3.29 6.98 | 28.45 -2.06 5.42 | 25.89 -2.15 5.44 | 23.78 -1.77 1.24 | 26.10 -1.54 0.00 | 24.57 -1.55 0.00 | 27.76 -1.77 0.33 | 28.04 -2.08 4.94 | 34.84 -2.39 6.87 | 47.96 -3.33 8.08 | 61.09 -3.76 7.19 | 49.18 -2.54 0.41 | 43.43 -1.77 0.00 | 41.48 -1.38 0.00 |
| GARDNVLA_35_KV_LD 355827 | 25.17 -2.25 0.56 | 23.72 -2.25 2.24 | 33.05 -2.52 0.00 | 26.88 -2.46 0.00 | 25.23 -2.24 0.00 | 29.09 -2.52 1.38 | 21.30 -1.96 3.89 | 22.27 -2.12 3.58 | 24.44 -1.92 4.07 | 30.86 -2.29 5.36 | 40.65 -3.02 6.54 | 29.00 -1.85 5.07 | 26.42 -1.96 5.10 | 24.01 -1.63 1.17 | 26.26 -1.39 0.00 | 24.72 -1.39 0.00 | 27.93 -1.62 0.30 | 28.54 -1.89 4.63 | 35.50 -2.16 6.44 | 48.79 -3.01 7.58 | 61.96 -3.34 6.74 | 49.49 -2.26 0.39 | 43.66 -1.54 0.00 | 41.67 -1.18 0.00 |
| GELCKHM___115KV_LOAD 80723 | 27.54 -0.43 0.00 | 27.79 -0.43 0.00 | 35.04 -0.53 0.00 | 28.86 -0.48 0.00 | 27.05 -0.42 0.00 | 32.49 -0.48 0.00 | 26.84 -0.31 0.00 | 27.58 -0.39 0.00 | 30.00 -0.41 0.00 | 37.97 -0.54 0.00 | 49.35 -0.86 0.00 | 35.34 -0.58 0.00 | 32.91 -0.57 0.00 | 26.35 -0.45 0.00 | 27.17 -0.48 0.00 | 25.69 -0.42 0.00 | 29.43 -0.42 0.00 | 34.62 -0.44 0.00 | 43.62 -0.47 0.00 | 58.70 -0.68 0.00 | 71.08 -0.95 0.00 | 51.46 -0.67 0.00 | 44.67 -0.53 0.00 | 42.41 -0.44 0.00 |
| GENERAL___MILLS 23808 | 25.09 -2.30 0.57 | 23.61 -2.31 2.31 | 33.00 -2.57 0.00 | 26.84 -2.49 0.00 | 25.18 -2.29 0.00 | 28.98 -2.58 1.41 | 21.13 -2.03 3.99 | 22.12 -2.19 3.66 | 24.25 -2.01 4.16 | 30.63 -2.40 5.48 | 40.35 -3.17 6.69 | 28.78 -1.96 5.19 | 26.20 -2.06 5.21 | 23.90 -1.71 1.19 | 26.17 -1.47 0.00 | 24.63 -1.48 0.00 | 27.84 -1.70 0.31 | 28.32 -2.01 4.73 | 35.22 -2.29 6.58 | 48.44 -3.19 7.75 | 61.56 -3.58 6.89 | 49.33 -2.41 0.39 | 43.54 -1.66 0.00 | 41.57 -1.29 0.00 |
| GE_PLASTICS___DRP 24183 | 28.54 0.57 0.00 | 28.82 0.60 0.00 | 36.26 0.69 0.00 | 29.97 0.63 0.00 | 28.11 0.64 0.00 | 33.75 0.77 0.00 | 28.15 1.00 0.00 | 28.87 0.89 0.00 | 31.17 0.75 0.00 | 39.41 0.90 0.00 | 51.26 1.05 0.00 | 36.60 0.68 0.00 | 34.22 0.75 0.00 | 27.37 0.57 0.00 | 28.27 0.63 0.00 | 26.81 0.70 0.00 | 30.84 0.99 0.00 | 36.22 1.17 0.00 | 45.51 1.42 0.00 | 61.30 1.92 0.00 | 73.75 1.72 0.00 | 53.13 1.00 0.00 | 45.73 0.53 0.00 | 43.21 0.36 0.00 |
| GILBOA___1 23756 | 28.56 0.58 0.00 | 28.91 0.70 0.00 | 36.41 0.83 0.00 | 30.16 0.82 0.00 | 28.27 0.80 0.00 | 33.82 0.84 0.00 | 28.05 0.90 0.00 | 28.91 0.93 0.00 | 31.38 0.96 0.00 | 39.69 1.18 0.00 | 51.61 1.40 0.00 | 36.92 0.99 0.00 | 34.49 1.02 0.00 | 27.59 0.78 0.00 | 28.44 0.80 0.00 | 26.89 0.78 0.00 | 30.86 1.01 0.00 | 36.25 1.20 0.00 | 45.55 1.45 0.00 | 61.30 1.92 0.00 | 73.86 1.82 0.00 | 53.23 1.09 0.00 | 45.92 0.73 0.00 | 43.41 0.55 0.00 |
| GILBOA___2 23757 | 28.56 0.58 0.00 | 28.91 0.70 0.00 | 36.41 0.83 0.00 | 30.16 0.82 0.00 | 28.27 0.80 0.00 | 33.82 0.84 0.00 | 28.05 0.90 0.00 | 28.91 0.93 0.00 | 31.38 0.96 0.00 | 39.69 1.18 0.00 | 51.61 1.40 0.00 | 36.92 0.99 0.00 | 34.49 1.02 0.00 | 27.59 0.78 0.00 | 28.44 0.80 0.00 | 26.89 0.78 0.00 | 30.86 1.01 0.00 | 36.25 1.20 0.00 | 45.55 1.45 0.00 | 61.30 1.92 0.00 | 73.86 1.82 0.00 | 53.23 1.09 0.00 | 45.92 0.73 0.00 | 43.41 0.55 0.00 |

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|--------------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|
| GILBOA___3 23758 | 28.56 0.58 0.00 | 28.91 0.70 0.00 | 36.41 0.83 0.00 | 30.16 0.82 0.00 | 28.27 0.80 0.00 | 33.82 0.84 0.00 | 28.05 0.90 0.00 | 28.91 0.93 0.00 | 31.38 0.96 0.00 | 39.69 1.18 0.00 | 51.61 1.40 0.00 | 36.92 0.99 0.00 | 34.49 1.02 0.00 | 27.59 0.78 0.00 | 28.44 0.80 0.00 | 26.89 0.78 0.00 | 30.86 1.01 0.00 | 36.25 1.20 0.00 | 45.55 1.45 0.00 | 61.30 1.92 0.00 | 73.86 1.82 0.00 | 53.23 1.09 0.00 | 45.92 0.73 0.00 | 43.41 0.55 0.00 |
| GILBOA___4 23759 | 28.56 0.58 0.00 | 28.91 0.70 0.00 | 36.41 0.83 0.00 | 30.16 0.82 0.00 | 28.27 0.80 0.00 | 33.82 0.84 0.00 | 28.05 0.90 0.00 | 28.91 0.93 0.00 | 31.38 0.96 0.00 | 39.69 1.18 0.00 | 51.61 1.40 0.00 | 36.92 0.99 0.00 | 34.49 1.02 0.00 | 27.59 0.78 0.00 | 28.44 0.80 0.00 | 26.89 0.78 0.00 | 30.86 1.01 0.00 | 36.25 1.20 0.00 | 45.55 1.45 0.00 | 61.30 1.92 0.00 | 73.86 1.82 0.00 | 53.23 1.09 0.00 | 45.92 0.73 0.00 | 43.41 0.55 0.00 |
| GILBOA___ 23599 | 28.56 0.58 0.00 | 28.91 0.70 0.00 | 36.41 0.83 0.00 | 30.16 0.82 0.00 | 28.27 0.80 0.00 | 33.82 0.84 0.00 | 28.06 0.91 0.00 | 28.91 0.94 0.00 | 31.38 0.96 0.00 | 39.69 1.18 0.00 | 51.61 1.40 0.00 | 36.92 0.99 0.00 | 34.51 1.02 0.00 | 27.59 0.79 0.00 | 28.44 0.80 0.00 | 26.89 0.78 0.00 | 30.85 1.00 0.00 | 36.26 1.21 0.00 | 45.54 1.45 0.00 | 61.30 1.92 0.00 | 73.86 1.83 0.00 | 53.23 1.09 0.00 | 45.92 0.73 0.00 | 43.41 0.56 0.00 |
| GINNA___ 23603 | 25.71 -2.26 0.00 | 25.94 -2.28 0.00 | 32.80 -2.78 0.00 | 26.88 -2.46 0.00 | 25.23 -2.25 0.00 | 30.43 -2.55 0.00 | 25.19 -1.97 0.00 | 25.87 -2.10 0.00 | 28.29 -2.13 0.00 | 35.87 -2.64 0.00 | 46.62 -3.59 0.00 | 33.55 -2.38 0.00 | 31.09 -2.38 0.00 | 24.84 -1.96 0.00 | 25.81 -1.83 0.00 | 24.36 -1.75 0.00 | 27.84 -2.01 0.00 | 32.78 -2.27 0.00 | 41.34 -2.75 0.00 | 55.66 -3.72 0.00 | 67.48 -4.55 0.00 | 48.88 -3.25 0.00 | 42.53 -2.66 0.00 | 40.43 -2.43 0.00 |
| GLEN PARK___ 23778 | 27.12 -0.85 0.00 | 27.15 -1.07 0.00 | 35.16 -1.58 -1.17 | 28.68 -1.36 -0.70 | 28.12 -1.24 -1.88 | 33.53 -1.26 -1.81 | 28.46 -0.71 -2.02 | 29.29 -0.69 -2.01 | 31.32 -0.49 -1.39 | 39.43 0.11 -0.81 | 49.25 -0.96 0.00 | 34.38 -1.55 0.00 | 31.41 -2.07 0.00 | 25.67 -1.13 0.00 | 26.55 -1.09 0.00 | 25.16 -0.95 0.00 | 28.92 -0.94 0.00 | 34.20 -0.85 0.00 | 43.68 -0.61 -0.19 | 61.85 -0.72 -3.19 | 72.57 0.23 -0.31 | 51.68 -0.46 0.00 | 45.08 -0.12 0.00 | 42.47 -0.38 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 29.41 1.43 0.00 | 29.67 1.46 0.00 | 37.26 1.69 0.00 | 30.80 1.47 0.00 | 28.90 1.43 0.00 | 34.81 1.83 0.00 | 29.20 2.05 0.00 | 30.39 2.41 0.00 | 33.65 2.65 -0.59 | 41.78 3.27 0.00 | 54.19 3.98 0.00 | 38.92 3.00 0.00 | 51.04 3.05 -14.51 | 46.88 2.38 -17.70 | 48.92 2.43 -18.85 | 29.04 2.23 -0.70 | 32.44 2.59 0.00 | 38.02 2.97 0.00 | 47.81 3.72 0.00 | 64.31 4.93 0.00 | 77.25 5.21 0.00 | 55.46 3.32 -0.01 | 47.64 2.44 0.00 | 44.86 2.01 0.00 |
| GLENWOOD_IC_1_G5 23712 | 36.77 1.48 -7.32 | 34.61 1.51 -4.89 | 37.29 1.72 0.00 | 30.83 1.49 0.00 | 28.92 1.45 0.00 | 35.76 1.85 -0.93 | 29.06 1.91 0.00 | 30.14 2.17 0.00 | 32.81 2.39 0.00 | 41.54 3.03 0.00 | 53.95 3.74 0.00 | 51.02 2.90 -12.20 | 46.75 2.91 -10.36 | 30.04 2.24 -1.00 | 31.31 2.30 -1.36 | 28.18 2.07 0.00 | 32.22 2.37 0.00 | 37.76 2.71 0.00 | 47.63 3.53 0.00 | 64.01 4.63 0.00 | 77.63 4.97 -0.64 | 55.34 3.20 0.00 | 49.90 2.42 -2.29 | 45.17 1.97 -0.34 |
| GLENWOOD_IC_2_G1 23688 | 29.59 1.32 -0.29 | 29.77 1.35 -0.20 | 37.12 1.55 0.00 | 30.68 1.34 0.00 | 28.78 1.31 0.00 | 34.69 1.68 -0.04 | 28.95 1.80 0.00 | 30.05 2.08 0.00 | 32.70 2.28 0.00 | 41.37 2.86 0.00 | 53.71 3.50 0.00 | 39.13 2.68 -0.52 | 36.64 2.70 -0.46 | 28.94 2.10 -0.04 | 29.84 2.14 -0.06 | 28.05 1.94 0.00 | 32.11 2.26 0.00 | 37.63 2.58 0.00 | 47.44 3.34 0.00 | 63.75 4.37 0.00 | 76.70 4.64 -0.03 | 55.08 2.94 0.00 | 47.46 2.18 -0.10 | 44.63 1.76 -0.01 |
| GLENWOOD_IC_3_G1 23689 | 29.59 1.32 -0.29 | 29.77 1.35 -0.20 | 37.12 1.55 0.00 | 30.68 1.34 0.00 | 28.78 1.31 0.00 | 34.69 1.68 -0.04 | 28.95 1.80 0.00 | 30.05 2.08 0.00 | 32.70 2.28 0.00 | 41.37 2.86 0.00 | 53.71 3.50 0.00 | 39.13 2.68 -0.52 | 36.64 2.70 -0.46 | 28.94 2.10 -0.04 | 29.84 2.14 -0.06 | 28.05 1.94 0.00 | 32.11 2.26 0.00 | 37.63 2.58 0.00 | 47.44 3.34 0.00 | 63.75 4.37 0.00 | 76.70 4.64 -0.03 | 55.08 2.94 0.00 | 47.46 2.18 -0.10 | 44.63 1.76 -0.01 |
| GLENWOOD___4 23550 | 36.77 1.48 -7.32 | 34.61 1.51 -4.89 | 37.29 1.72 0.00 | 30.83 1.49 0.00 | 28.92 1.45 0.00 | 35.76 1.85 -0.93 | 29.06 1.91 0.00 | 30.14 2.17 0.00 | 32.81 2.39 0.00 | 41.54 3.03 0.00 | 53.95 3.74 0.00 | 51.02 2.90 -12.20 | 46.75 2.91 -10.36 | 30.04 2.24 -1.00 | 31.31 2.30 -1.36 | 28.18 2.07 0.00 | 32.22 2.37 0.00 | 37.76 2.71 0.00 | 47.63 3.53 0.00 | 64.01 4.63 0.00 | 77.63 4.97 -0.64 | 55.34 3.20 0.00 | 49.90 2.42 -2.29 | 45.17 1.97 -0.34 |
| GLENWOOD___5 23614 | 36.77 1.48 -7.32 | 34.61 1.51 -4.89 | 37.29 1.72 0.00 | 30.83 1.49 0.00 | 28.92 1.45 0.00 | 35.76 1.85 -0.93 | 29.06 1.91 0.00 | 30.14 2.17 0.00 | 32.81 2.39 0.00 | 41.54 3.03 0.00 | 53.95 3.74 0.00 | 51.02 2.90 -12.20 | 46.75 2.91 -10.36 | 30.04 2.24 -1.00 | 31.31 2.30 -1.36 | 28.18 2.07 0.00 | 32.22 2.37 0.00 | 37.76 2.71 0.00 | 47.63 3.53 0.00 | 64.01 4.63 0.00 | 77.63 4.97 -0.64 | 55.34 3.20 0.00 | 49.90 2.42 -2.29 | 45.17 1.97 -0.34 |
| GLOBAL GREEN_PORT_GT1 23814 | 30.71 1.45 -1.28 | 30.08 1.01 -0.85 | 36.39 0.82 0.01 | 30.15 0.82 0.01 | 28.33 0.86 0.01 | 34.31 1.17 -0.15 | 28.24 1.09 0.01 | 29.25 1.27 0.00 | 31.99 1.57 0.00 | 40.88 2.37 0.00 | 52.87 2.66 0.00 | 41.13 2.44 -2.77 | 39.73 3.14 -3.11 | 29.75 2.77 -0.18 | 30.32 2.43 -0.25 | 28.09 1.98 0.00 | 32.07 2.23 0.00 | 37.20 2.15 0.00 | 46.87 2.78 0.00 | 63.15 3.78 0.00 | 78.04 5.89 -0.12 | 56.05 3.92 0.01 | 48.53 2.91 -0.43 | 45.07 2.16 -0.06 |
| GLOBE___DSASP 323697 | 24.39 -2.84 0.74 | 22.34 -2.90 2.98 | 32.31 -3.26 0.00 | 26.26 -3.08 0.00 | 24.64 -2.83 0.00 | 27.82 -3.33 1.83 | 19.16 -2.84 5.16 | 20.25 -3.09 4.64 | 22.15 -2.99 5.27 | 27.98 -3.59 6.94 | 37.01 -4.72 8.48 | 26.30 -3.05 6.58 | 23.75 -3.12 6.60 | 22.87 -2.42 1.51 | 25.52 -2.12 0.00 | 24.02 -2.10 0.00 | 26.94 -2.52 0.39 | 25.85 -3.21 5.99 | 31.91 -3.84 8.33 | 44.28 -5.28 9.81 | 57.25 -6.06 8.72 | 47.71 -3.93 0.50 | 42.38 -2.81 0.00 | 40.54 -2.31 0.00 |
| GOETHSLN___LBMP 323567 | 29.07 1.10 0.00 | 29.33 1.12 0.00 | 36.86 1.28 0.00 | 30.47 1.14 0.00 | 28.58 1.11 0.00 | 34.41 1.43 0.00 | 28.85 1.69 0.00 | 30.02 2.04 0.00 | 32.63 2.21 0.00 | 41.23 2.72 0.00 | 53.50 3.29 0.00 | 38.40 2.48 0.00 | 36.05 2.57 0.00 | 28.81 2.01 0.00 | 29.68 2.03 0.00 | 27.98 1.87 0.00 | 32.05 2.20 0.00 | 37.58 2.53 0.00 | 47.27 3.17 0.00 | 63.49 4.12 0.00 | 76.27 4.24 0.00 | 54.74 2.60 0.00 | 47.02 1.83 0.00 | 44.35 1.50 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 26.51 -1.30 0.16 | 26.27 -1.33 0.63 | 34.08 -1.50 0.00 | 27.85 -1.49 0.00 | 26.14 -1.33 0.00 | 31.17 -1.43 0.38 | 25.04 -1.03 1.09 | 25.85 -1.14 0.98 | 28.29 -1.01 1.12 | 35.80 -1.24 1.47 | 46.66 -1.75 1.80 | 33.55 -0.99 1.39 | 30.80 -1.28 1.40 | 25.49 -0.99 0.32 | 26.87 -0.77 0.00 | 25.33 -0.78 0.00 | 28.89 -0.87 0.08 | 32.82 -0.96 1.27 | 41.31 -1.02 1.77 | 55.92 -1.37 2.08 | 68.57 -1.61 1.85 | 50.93 -1.10 0.11 | 44.50 -0.69 0.00 | 42.33 -0.53 0.00 |

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|--|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GOODYEAR_LAKE_HYD 323669 | 28.55 0.58 0.00 | 28.82 0.60 0.00 | 36.35 0.78 0.00 | 30.00 0.67 0.00 | 28.11 0.64 0.00 | 33.76 0.78 0.00 | 28.09 0.94 0.00 | 29.03 1.06 0.00 | 31.72 1.30 0.00 | 40.20 1.69 0.00 | 52.25 2.04 0.00 | 37.39 1.47 0.00 | 34.90 1.42 0.00 | 27.80 1.00 0.00 | 28.47 0.83 0.00 | 26.94 0.83 0.00 | 30.88 1.03 0.00 | 36.35 1.30 0.00 | 45.81 1.72 0.00 | 61.69 2.31 0.00 | 74.65 2.62 0.00 | 53.87 1.74 0.00 | 46.57 1.38 0.00 | 44.07 1.22 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 27.44 -0.53 0.00 | 27.70 -0.52 0.00 | 34.96 -0.61 0.00 | 28.79 -0.55 0.00 | 26.98 -0.49 0.00 | 32.50 -0.47 0.00 | 26.97 -0.19 0.00 | 27.79 -0.18 0.00 | 30.25 -0.17 0.00 | 38.29 -0.22 0.00 | 49.82 -0.38 0.00 | 35.73 -0.20 0.00 | 33.31 -0.17 0.00 | 26.53 -0.27 0.00 | 27.38 -0.26 0.00 | 25.81 -0.30 0.00 | 29.63 -0.23 0.00 | 34.94 -0.11 0.00 | 44.11 0.02 0.00 | 59.24 -0.13 0.00 | 71.76 -0.27 0.00 | 51.82 -0.31 0.00 | 44.84 -0.35 0.00 | 42.56 -0.30 0.00 |
| GOUDEY___7 23579 | 27.44 -0.53 0.00 | 27.70 -0.52 0.00 | 34.96 -0.61 0.00 | 28.79 -0.55 0.00 | 26.98 -0.49 0.00 | 32.50 -0.47 0.00 | 26.97 -0.19 0.00 | 27.79 -0.18 0.00 | 30.25 -0.17 0.00 | 38.29 -0.22 0.00 | 49.82 -0.38 0.00 | 35.73 -0.20 0.00 | 33.31 -0.17 0.00 | 26.53 -0.27 0.00 | 27.38 -0.26 0.00 | 25.81 -0.30 0.00 | 29.63 -0.23 0.00 | 34.94 -0.11 0.00 | 44.11 0.02 0.00 | 59.24 -0.13 0.00 | 71.76 -0.27 0.00 | 51.82 -0.31 0.00 | 44.84 -0.35 0.00 | 42.56 -0.30 0.00 |
| GOUDEY___8 23580 | 27.44 -0.53 0.00 | 27.70 -0.52 0.00 | 34.96 -0.61 0.00 | 28.79 -0.55 0.00 | 26.98 -0.49 0.00 | 32.50 -0.47 0.00 | 26.97 -0.19 0.00 | 27.79 -0.18 0.00 | 30.25 -0.17 0.00 | 38.29 -0.22 0.00 | 49.82 -0.38 0.00 | 35.73 -0.20 0.00 | 33.31 -0.17 0.00 | 26.53 -0.27 0.00 | 27.38 -0.26 0.00 | 25.81 -0.30 0.00 | 29.63 -0.23 0.00 | 34.94 -0.11 0.00 | 44.11 0.02 0.00 | 59.24 -0.13 0.00 | 71.76 -0.27 0.00 | 51.82 -0.31 0.00 | 44.84 -0.35 0.00 | 42.56 -0.30 0.00 |
| GOWANUS_GT1_1 24077 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT1_2 24078 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT1_3 24079 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT1_4 24080 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT1_5 24084 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT1_6 24111 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT1_7 24112 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT1_8 24113 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.75 3.07 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.68 3.03 -11.60 | 55.75 3.78 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT2_1 24114 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| GOWANUS_GT2_2 24115 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| GOWANUS_GT2_3 24116 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |

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|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GOWANUS_GT2_4 24117 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| GOWANUS_GT2_5 24118 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| GOWANUS_GT2_6 24119 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| GOWANUS_GT2_7 24120 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| GOWANUS_GT2_8 24121 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| GOWANUS_GT3_1 24122 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT3_2 24123 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT3_3 24124 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT3_4 24125 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT3_5 24126 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT3_6 24127 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT3_7 24128 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT3_8 24129 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.73 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.43 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.68 3.03 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.18 2.51 -1.47 | 51.50 2.12 -6.53 |
| GOWANUS_GT4_1 24130 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GOWANUS_GT4_2 24131 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |

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|---|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|
| GOWANUS_GT4_3 24132 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GOWANUS_GT4_4 24133 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GOWANUS_GT4_5 24134 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GOWANUS_GT4_6 24135 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GOWANUS_GT4_7 24136 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GOWANUS_GT4_8 24137 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GREENBSH_115KV_TB3 55895 | 28.52 0.55 0.00 | 28.78 0.56 0.00 | 36.19 0.62 0.00 | 29.93 0.59 0.00 | 28.07 0.60 0.00 | 33.71 0.73 0.00 | 28.13 0.98 0.00 | 28.79 0.82 0.00 | 31.01 0.60 0.00 | 39.21 0.70 0.00 | 51.01 0.80 0.00 | 36.40 0.48 0.00 | 34.06 0.58 0.00 | 27.26 0.46 0.00 | 28.16 0.51 0.00 | 26.73 0.62 0.00 | 30.76 0.91 0.00 | 36.12 1.07 0.00 | 45.35 1.26 0.00 | 61.08 1.70 0.00 | 73.45 1.42 0.00 | 52.90 0.76 0.00 | 45.49 0.29 0.00 | 42.99 0.13 0.00 |
| GREENDGE_115KV_TB5 80291 | 28.20 -1.14 -1.37 | 32.60 -1.14 -5.53 | 34.23 -1.34 0.00 | 28.12 -1.21 0.00 | 26.38 -1.09 0.00 | 35.21 -1.16 -3.39 | 36.04 -0.69 -9.57 | 35.83 -0.69 -8.54 | 39.50 -0.64 -9.72 | 50.39 -0.93 -12.81 | 64.20 -1.66 -15.65 | 47.08 -0.97 -12.13 | 44.57 -1.10 -12.18 | 28.60 -0.98 -2.79 | 26.68 -0.96 0.00 | 25.15 -0.96 0.00 | 29.73 -0.85 -0.73 | 45.29 -0.80 -11.04 | 58.68 -0.77 -15.35 | 75.99 -1.46 -18.08 | 86.14 -1.96 -16.07 | 51.89 -1.17 -0.92 | 44.34 -0.85 0.00 | 42.14 -0.72 0.00 |
| GREENIDGE___3 23582 | 28.20 -1.14 -1.37 | 32.60 -1.14 -5.53 | 34.23 -1.34 0.00 | 28.12 -1.21 0.00 | 26.38 -1.09 0.00 | 35.21 -1.16 -3.39 | 36.04 -0.69 -9.57 | 35.83 -0.69 -8.54 | 39.50 -0.64 -9.72 | 50.39 -0.93 -12.81 | 64.20 -1.66 -15.65 | 47.08 -0.97 -12.13 | 44.57 -1.10 -12.18 | 28.60 -0.98 -2.79 | 26.68 -0.96 0.00 | 25.15 -0.96 0.00 | 29.73 -0.85 -0.73 | 45.29 -0.80 -11.04 | 58.68 -0.77 -15.35 | 75.99 -1.46 -18.08 | 86.14 -1.96 -16.07 | 51.89 -1.17 -0.92 | 44.34 -0.85 0.00 | 42.14 -0.72 0.00 |
| GREENIDGE___4 23583 | 28.21 -1.14 -1.37 | 32.61 -1.14 -5.53 | 34.23 -1.34 0.00 | 28.12 -1.21 0.00 | 26.38 -1.10 0.00 | 35.19 -1.17 -3.39 | 36.04 -0.69 -9.57 | 35.84 -0.68 -8.54 | 39.50 -0.64 -9.72 | 50.39 -0.93 -12.81 | 64.18 -1.67 -15.65 | 47.09 -0.96 -12.13 | 44.58 -1.08 -12.18 | 28.61 -0.98 -2.79 | 26.68 -0.96 0.00 | 25.15 -0.96 0.00 | 29.74 -0.84 -0.73 | 45.31 -0.78 -11.04 | 58.68 -0.77 -15.35 | 75.99 -1.46 -18.08 | 86.14 -1.96 -16.07 | 51.90 -1.15 -0.92 | 44.34 -0.86 0.00 | 42.14 -0.72 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 31.06 1.41 -1.68 | 30.82 1.48 -1.12 | 37.16 1.59 0.00 | 30.71 1.39 0.00 | 28.83 1.37 0.00 | 34.96 1.77 -0.21 | 28.79 1.65 0.00 | 29.79 1.82 0.00 | 32.49 2.08 0.00 | 41.27 2.77 0.00 | 53.53 3.32 0.00 | 41.94 2.84 -3.18 | 39.77 2.86 -3.43 | 29.21 2.19 -0.22 | 30.16 2.22 -0.30 | 28.11 2.00 0.00 | 31.96 2.12 0.00 | 37.36 2.31 0.00 | 47.31 3.22 0.00 | 63.53 4.16 0.00 | 76.73 4.55 -0.14 | 55.11 2.98 0.01 | 48.09 2.38 -0.51 | 44.77 1.85 -0.07 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |
| GRISSOM___SOLAR 323813 | 29.17 1.20 0.00 | 29.42 1.20 0.00 | 37.11 1.54 0.00 | 30.59 1.25 0.00 | 28.68 1.20 0.00 | 34.46 1.49 0.00 | 28.71 1.56 0.00 | 29.59 1.61 0.00 | 32.07 1.65 0.00 | 40.70 2.19 0.00 | 52.83 2.63 0.00 | 37.22 1.30 0.00 | 34.60 1.11 0.00 | 27.24 0.44 0.00 | 27.99 0.34 0.00 | 26.58 0.47 0.00 | 30.59 0.74 0.00 | 36.85 1.80 0.00 | 46.41 2.32 0.00 | 62.82 3.44 0.00 | 76.14 4.11 0.00 | 54.99 2.86 0.00 | 47.53 2.34 0.00 | 44.92 2.07 0.00 |
| GROVEVILLE___HYD 323602 | 29.25 1.29 0.00 | 29.52 1.31 0.00 | 37.10 1.53 0.00 | 30.67 1.34 0.00 | 28.77 1.30 0.00 | 34.63 1.66 0.00 | 29.00 1.85 0.00 | 30.15 2.18 0.00 | 32.70 2.28 0.00 | 41.34 2.83 0.00 | 53.70 3.49 0.00 | 38.48 2.55 0.00 | 35.98 2.50 0.00 | 28.72 1.92 0.00 | 29.59 1.94 0.00 | 27.91 1.80 0.00 | 32.05 2.20 0.00 | 37.67 2.61 0.00 | 47.43 3.34 0.00 | 63.83 4.46 0.00 | 76.71 4.68 0.00 | 55.09 2.96 0.00 | 47.30 2.11 0.00 | 44.59 1.73 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 27.70 -0.27 0.00 | 27.94 -0.28 0.00 | 35.24 -0.33 0.00 | 29.02 -0.32 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.13 0.00 | 27.76 -0.21 0.00 | 30.19 -0.22 0.00 | 38.21 -0.30 0.00 | 49.65 -0.56 0.00 | 35.56 -0.36 0.00 | 33.11 -0.37 0.00 | 26.49 -0.31 0.00 | 27.30 -0.34 0.00 | 25.83 -0.28 0.00 | 29.60 -0.25 0.00 | 34.83 -0.22 0.00 | 43.91 -0.18 0.00 | 59.09 -0.29 0.00 | 71.56 -0.47 0.00 | 51.79 -0.34 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |

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| HAMLTNNY_34_KV_TB 80303 | 27.67 -0.30 0.00 | 27.93 -0.29 0.00 | 35.24 -0.33 0.00 | 28.99 -0.34 0.00 | 27.20 -0.27 0.00 | 32.69 -0.28 0.00 | 27.06 -0.10 0.00 | 27.78 -0.19 0.00 | 30.22 -0.20 0.00 | 38.25 -0.27 0.00 | 49.66 -0.55 0.00 | 35.59 -0.34 0.00 | 33.09 -0.39 0.00 | 26.45 -0.35 0.00 | 27.26 -0.38 0.00 | 25.80 -0.31 0.00 | 29.57 -0.28 0.00 | 34.81 -0.25 0.00 | 43.93 -0.16 0.00 | 59.11 -0.26 0.00 | 71.61 -0.43 0.00 | 51.84 -0.29 0.00 | 44.97 -0.23 0.00 | 42.71 -0.15 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 26.96 -1.01 0.00 | 27.02 -1.19 0.00 | 37.05 -1.60 -3.08 | 29.77 -1.39 -1.83 | 31.07 -1.32 -4.92 | 36.26 -1.44 -4.72 | 31.38 -1.04 -5.27 | 32.20 -1.01 -5.23 | 33.07 -0.98 -3.63 | 39.78 -0.84 -2.11 | 48.88 -1.33 0.00 | 34.58 -1.35 0.00 | 31.89 -1.59 0.00 | 25.63 -1.17 0.00 | 26.46 -1.19 0.00 | 24.96 -1.15 0.00 | 28.50 -1.35 0.00 | 33.49 -1.56 0.00 | 42.88 -1.71 -0.50 | 65.59 -2.12 -8.34 | 71.72 -1.13 -0.81 | 51.12 -1.02 0.00 | 44.57 -0.63 0.00 | 42.15 -0.71 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 27.89 -0.08 0.00 | 28.17 -0.05 0.00 | 35.43 -0.14 0.00 | 29.32 -0.02 0.00 | 27.42 -0.05 0.00 | 32.87 -0.11 0.00 | 27.27 0.12 0.00 | 28.12 0.15 0.00 | 30.46 0.05 0.00 | 38.79 0.28 0.00 | 50.32 0.11 0.00 | 35.45 -0.47 0.00 | 33.30 -0.18 0.00 | 26.38 -0.42 0.00 | 26.96 -0.69 0.00 | 25.55 -0.56 0.00 | 29.57 -0.28 0.00 | 35.18 0.12 0.00 | 44.27 0.17 0.00 | 59.68 0.30 0.00 | 71.67 -0.36 0.00 | 51.50 -0.64 0.00 | 44.23 -0.97 0.00 | 41.69 -1.17 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 28.98 1.01 0.00 | 29.24 1.02 0.00 | 36.76 1.19 0.00 | 30.38 1.05 0.00 | 28.49 1.02 0.00 | 34.30 1.32 0.00 | 28.71 1.55 0.00 | 29.80 1.83 0.00 | 32.37 1.95 0.00 | 40.94 2.43 0.00 | 53.18 2.97 0.00 | 38.08 2.16 0.00 | 35.65 2.17 0.00 | 28.48 1.69 0.00 | 29.33 1.69 0.00 | 27.72 1.61 0.00 | 31.82 1.96 0.00 | 37.37 2.31 0.00 | 47.04 2.95 0.00 | 63.26 3.88 0.00 | 75.99 3.97 0.00 | 54.61 2.47 0.00 | 46.90 1.71 0.00 | 44.24 1.38 0.00 |
| HARSNRAD_115KV_TB1 81005 | 24.33 -2.71 0.94 | 21.70 -2.75 3.77 | 32.44 -3.14 0.00 | 26.39 -2.94 0.00 | 24.79 -2.68 0.00 | 27.54 -3.12 2.31 | 18.12 -2.51 6.53 | 19.40 -2.72 5.85 | 21.17 -2.60 6.65 | 26.63 -3.12 8.77 | 35.36 -4.15 10.71 | 24.97 -2.66 8.30 | 22.36 -2.78 8.34 | 22.64 -2.26 1.91 | 25.63 -2.01 0.00 | 24.11 -2.00 0.00 | 27.05 -2.31 0.50 | 24.74 -2.75 7.57 | 30.34 -3.23 10.52 | 42.55 -4.44 12.39 | 55.89 -5.13 11.01 | 48.02 -3.49 0.63 | 42.70 -2.49 0.00 | 40.89 -1.96 0.00 |
| HARZA MOOSE___RIVER 24016 | 27.62 -0.35 0.00 | 27.73 -0.49 0.00 | 35.69 -0.76 -0.88 | 29.21 -0.65 -0.52 | 28.30 -0.58 -1.41 | 33.76 -0.57 -1.36 | 28.42 -0.25 -1.51 | 29.22 -0.25 -1.50 | 31.33 -0.13 -1.04 | 39.34 0.22 -0.60 | 50.01 -0.19 0.00 | 35.36 -0.56 0.00 | 32.75 -0.73 0.00 | 26.25 -0.55 0.00 | 27.06 -0.58 0.00 | 25.57 -0.54 0.00 | 29.37 -0.48 0.00 | 34.68 -0.37 0.00 | 44.12 -0.11 -0.04 | 61.73 -0.04 -0.23 | 73.01 0.74 -0.23 | 52.29 0.16 0.00 | 45.41 0.22 0.00 | 42.91 0.05 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 27.54 -0.43 0.00 | 27.79 -0.43 0.00 | 35.05 -0.52 0.00 | 28.88 -0.46 0.00 | 27.06 -0.41 0.00 | 32.50 -0.47 0.00 | 26.86 -0.29 0.00 | 27.61 -0.37 0.00 | 30.05 -0.37 0.00 | 38.01 -0.50 0.00 | 49.41 -0.80 0.00 | 35.40 -0.52 0.00 | 32.96 -0.51 0.00 | 26.39 -0.42 0.00 | 27.21 -0.43 0.00 | 25.73 -0.38 0.00 | 29.47 -0.38 0.00 | 34.66 -0.39 0.00 | 43.68 -0.41 0.00 | 58.78 -0.59 0.00 | 71.15 -0.88 0.00 | 51.51 -0.63 0.00 | 44.69 -0.51 0.00 | 42.44 -0.41 0.00 |
| HELLGATE_13_KV_LD 55870 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.52 -0.59 | 41.61 3.10 0.00 | 53.96 3.75 0.00 | 38.74 2.82 0.00 | 50.88 2.91 -14.50 | 46.75 2.28 -17.68 | 48.79 2.32 -18.83 | 28.92 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.59 3.50 0.00 | 64.02 4.64 0.00 | 76.90 4.86 0.00 | 55.21 3.07 -0.01 | 47.42 2.22 0.00 | 44.67 1.81 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.52 -0.59 | 41.61 3.10 0.00 | 53.96 3.75 0.00 | 38.74 2.82 0.00 | 50.88 2.91 -14.50 | 46.75 2.28 -17.68 | 48.79 2.32 -18.83 | 28.92 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.59 3.50 0.00 | 64.02 4.64 0.00 | 76.90 4.86 0.00 | 55.21 3.07 -0.01 | 47.42 2.22 0.00 | 44.67 1.81 0.00 |
| HEMPSTEAD____ 23647 | 36.98 1.45 -7.55 | 34.76 1.50 -5.04 | 37.24 1.66 -0.01 | 30.78 1.44 -0.01 | 28.89 1.41 -0.01 | 35.76 1.82 -0.97 | 28.93 1.77 -0.01 | 29.92 1.95 0.00 | 32.61 2.19 0.00 | 41.34 2.83 0.00 | 53.67 3.45 0.00 | 50.74 2.79 -12.03 | 46.50 2.79 -10.23 | 29.98 2.16 -1.02 | 31.24 2.21 -1.40 | 28.09 1.98 0.00 | 32.04 2.19 0.00 | 37.50 2.45 0.00 | 47.41 3.31 0.00 | 63.67 4.29 0.00 | 77.29 4.63 -0.63 | 55.13 2.99 0.00 | 49.81 2.34 -2.27 | 45.05 1.84 -0.35 |
| HEWLETT_69_KV_BK3 55828 | 49.86 1.65 -20.24 | 43.43 1.71 -13.51 | 37.53 1.93 -0.03 | 31.02 1.65 -0.03 | 29.12 1.61 -0.03 | 37.64 2.07 -2.59 | 29.14 1.96 -0.03 | 30.11 2.13 -0.01 | 32.81 2.39 0.00 | 41.59 3.08 0.00 | 53.98 3.77 0.00 | 74.63 3.05 -35.66 | 63.55 3.05 -27.01 | 31.98 2.34 -2.84 | 33.96 2.43 -3.89 | 28.25 2.14 0.00 | 32.23 2.38 0.00 | 37.72 2.67 0.00 | 47.74 3.64 -0.01 | 64.07 4.69 -0.01 | 79.17 5.18 -1.96 | 55.60 3.43 -0.03 | 54.85 2.68 -6.97 | 46.02 2.18 -0.98 |
| HICKLING___1 23621 | 26.95 -1.47 -0.45 | 28.58 -1.47 -1.82 | 33.87 -1.70 0.00 | 27.82 -1.51 0.00 | 26.09 -1.38 0.00 | 32.64 -1.46 -1.12 | 29.39 -0.93 -3.17 | 29.91 -0.90 -2.84 | 32.79 -0.87 -3.24 | 41.60 -1.18 -4.27 | 53.81 -1.62 -5.22 | 38.87 -1.10 -4.05 | 36.49 -1.06 -4.07 | 26.70 -1.03 -0.93 | 26.65 -1.00 0.00 | 25.02 -1.09 0.00 | 29.09 -1.00 -0.24 | 37.76 -0.96 -3.67 | 48.30 -0.90 -5.11 | 63.76 -1.63 -6.01 | 75.44 -1.94 -5.35 | 50.90 -1.54 -0.31 | 43.85 -1.34 0.00 | 41.72 -1.14 0.00 |
| HICKLING___2 23622 | 26.95 -1.47 -0.45 | 28.58 -1.47 -1.82 | 33.87 -1.70 0.00 | 27.82 -1.51 0.00 | 26.09 -1.38 0.00 | 32.64 -1.46 -1.12 | 29.39 -0.93 -3.17 | 29.91 -0.90 -2.84 | 32.79 -0.87 -3.24 | 41.60 -1.18 -4.27 | 53.81 -1.62 -5.22 | 38.87 -1.10 -4.05 | 36.49 -1.06 -4.07 | 26.70 -1.03 -0.93 | 26.65 -1.00 0.00 | 25.02 -1.09 0.00 | 29.09 -1.00 -0.24 | 37.76 -0.96 -3.67 | 48.30 -0.90 -5.11 | 63.76 -1.63 -6.01 | 75.44 -1.94 -5.35 | 50.90 -1.54 -0.31 | 43.85 -1.34 0.00 | 41.72 -1.14 0.00 |
| HIGH FALLS___HY 23754 | 29.23 1.27 0.00 | 29.49 1.27 0.00 | 37.07 1.50 0.00 | 30.64 1.31 0.00 | 28.75 1.28 0.00 | 34.60 1.62 0.00 | 28.98 1.82 0.00 | 30.10 2.13 0.00 | 32.74 2.32 0.00 | 41.42 2.91 0.00 | 53.80 3.59 0.00 | 38.49 2.56 0.00 | 35.77 2.29 0.00 | 28.55 1.75 0.00 | 29.42 1.77 0.00 | 27.75 1.64 0.00 | 31.86 2.01 0.00 | 37.56 2.51 0.00 | 47.47 3.38 0.00 | 63.85 4.48 0.00 | 76.81 4.78 0.00 | 55.17 3.03 0.00 | 47.37 2.17 0.00 | 44.62 1.77 0.00 |
| HIGH_RIVER___SOLAR 323847 | 28.85 0.88 0.00 | 29.11 0.90 0.00 | 36.68 1.11 0.00 | 30.27 0.93 0.00 | 28.37 0.90 0.00 | 34.06 1.08 0.00 | 28.34 1.19 0.00 | 29.16 1.19 0.00 | 31.58 1.17 0.00 | 40.06 1.56 0.00 | 52.04 1.83 0.00 | 36.74 0.82 0.00 | 34.37 0.89 0.00 | 27.19 0.39 0.00 | 27.93 0.29 0.00 | 26.58 0.47 0.00 | 30.61 0.76 0.00 | 36.43 1.38 0.00 | 45.91 1.82 0.00 | 62.02 2.65 0.00 | 74.96 2.93 0.00 | 54.11 1.97 0.00 | 46.70 1.50 0.00 | 44.16 1.30 0.00 |

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| HILLBURN___GT 23639 | 28.92 0.94 0.00 | 29.17 0.95 0.00 | 36.67 1.10 0.00 | 30.30 0.97 0.00 | 28.43 0.96 0.00 | 34.23 1.25 0.00 | 28.66 1.51 0.00 | 29.77 1.80 0.00 | 32.33 1.92 0.00 | 40.91 2.40 0.00 | 53.14 2.92 0.00 | 38.08 2.16 0.00 | 35.68 2.20 0.00 | 28.52 1.72 0.00 | 29.36 1.72 0.00 | 27.75 1.64 0.00 | 31.81 1.96 0.00 | 37.32 2.27 0.00 | 46.94 2.85 0.00 | 63.11 3.73 0.00 | 75.79 3.76 0.00 | 54.46 2.32 0.00 | 46.78 1.59 0.00 | 44.12 1.26 0.00 |
| HILLSIDE_115KV_TB1 80332 | 26.89 -1.48 -0.40 | 28.36 -1.49 -1.63 | 33.81 -1.76 0.00 | 27.79 -1.54 0.00 | 26.05 -1.43 0.00 | 32.50 -1.48 -1.00 | 28.99 -0.99 -2.83 | 29.53 -0.99 -2.55 | 32.37 -0.95 -2.91 | 41.09 -1.25 -3.83 | 53.20 -1.69 -4.68 | 38.43 -1.12 -3.63 | 36.12 -1.00 -3.64 | 26.61 -1.02 -0.83 | 26.60 -1.04 0.00 | 24.99 -1.13 0.00 | 28.97 -1.10 -0.22 | 37.28 -1.06 -3.29 | 47.57 -1.09 -4.57 | 62.91 -1.85 -5.39 | 74.67 -2.15 -4.79 | 50.68 -1.73 -0.27 | 43.65 -1.54 0.00 | 41.53 -1.32 0.00 |
| HISHELDN_WT_PWR 323625 | 20.24 -3.09 4.64 | 6.42 -3.13 18.66 | 32.00 -3.57 0.00 | 26.12 -3.21 0.00 | 24.54 -2.93 0.00 | 18.04 -3.49 11.44 | -7.84 -2.70 32.29 | -3.64 -2.82 28.80 | -5.09 -2.76 32.75 | -8.16 -3.52 43.15 | -7.26 -4.76 52.71 | -8.29 -3.34 40.87 | -10.79 -3.22 41.06 | 14.56 -2.85 9.39 | 25.00 -2.64 0.00 | 23.47 -2.64 0.00 | 24.56 -2.84 2.45 | -5.33 -3.16 37.22 | -11.16 -3.48 51.77 | -6.66 -5.08 60.96 | 11.93 -5.92 54.18 | 44.79 -4.24 3.10 | 41.93 -3.27 0.00 | 40.12 -2.74 0.00 |
| HOLTSVILLE_IC_1 23690 | 30.71 1.48 -1.25 | 30.54 1.49 -0.83 | 37.14 1.58 0.01 | 30.73 1.41 0.01 | 28.87 1.40 0.01 | 34.93 1.79 -0.15 | 28.76 1.61 0.01 | 29.70 1.73 0.00 | 32.47 2.06 0.00 | 41.34 2.83 0.00 | 53.61 3.40 0.00 | 41.62 2.97 -2.72 | 39.59 3.03 -3.08 | 29.34 2.36 -0.18 | 30.22 2.33 -0.24 | 28.25 2.14 0.00 | 32.08 2.23 0.00 | 37.42 2.37 0.00 | 47.42 3.33 0.00 | 63.66 4.29 0.00 | 77.04 4.89 -0.12 | 55.41 3.28 0.01 | 48.25 2.63 -0.42 | 44.90 1.99 -0.06 |
| HOLTSVILLE_IC_10 23699 | 30.95 1.58 -1.40 | 30.73 1.58 -0.93 | 37.25 1.69 0.01 | 30.82 1.49 0.01 | 28.96 1.49 0.01 | 35.06 1.90 -0.17 | 28.85 1.70 0.01 | 29.82 1.85 0.00 | 32.63 2.21 0.00 | 41.54 3.03 0.00 | 53.85 3.64 0.00 | 41.97 3.15 -2.90 | 39.90 3.21 -3.21 | 29.48 2.49 -0.19 | 30.37 2.46 -0.26 | 28.37 2.26 0.00 | 32.23 2.38 0.00 | 37.60 2.55 0.00 | 47.67 3.58 0.00 | 64.00 4.63 0.00 | 77.45 5.29 -0.13 | 55.67 3.54 0.01 | 48.49 2.84 -0.46 | 45.07 2.15 -0.06 |
| HOLTSVILLE_IC_2 23691 | 30.71 1.48 -1.25 | 30.54 1.49 -0.83 | 37.14 1.58 0.01 | 30.73 1.41 0.01 | 28.87 1.40 0.01 | 34.93 1.79 -0.15 | 28.76 1.61 0.01 | 29.70 1.73 0.00 | 32.47 2.06 0.00 | 41.34 2.83 0.00 | 53.61 3.40 0.00 | 41.62 2.97 -2.72 | 39.59 3.03 -3.08 | 29.34 2.36 -0.18 | 30.22 2.33 -0.24 | 28.25 2.14 0.00 | 32.08 2.23 0.00 | 37.42 2.37 0.00 | 47.42 3.33 0.00 | 63.66 4.29 0.00 | 77.04 4.89 -0.12 | 55.41 3.28 0.01 | 48.25 2.63 -0.42 | 44.90 1.99 -0.06 |
| HOLTSVILLE_IC_3 23692 | 30.71 1.48 -1.25 | 30.54 1.49 -0.83 | 37.14 1.58 0.01 | 30.73 1.41 0.01 | 28.87 1.40 0.01 | 34.93 1.79 -0.15 | 28.76 1.61 0.01 | 29.70 1.73 0.00 | 32.47 2.06 0.00 | 41.34 2.83 0.00 | 53.61 3.40 0.00 | 41.62 2.97 -2.72 | 39.59 3.03 -3.08 | 29.34 2.36 -0.18 | 30.22 2.33 -0.24 | 28.25 2.14 0.00 | 32.08 2.23 0.00 | 37.42 2.37 0.00 | 47.42 3.33 0.00 | 63.66 4.29 0.00 | 77.04 4.89 -0.12 | 55.41 3.28 0.01 | 48.25 2.63 -0.42 | 44.90 1.99 -0.06 |
| HOLTSVILLE_IC_4 23693 | 30.71 1.48 -1.25 | 30.54 1.49 -0.83 | 37.14 1.58 0.01 | 30.73 1.41 0.01 | 28.87 1.40 0.01 | 34.93 1.79 -0.15 | 28.76 1.61 0.01 | 29.70 1.73 0.00 | 32.47 2.06 0.00 | 41.34 2.83 0.00 | 53.61 3.40 0.00 | 41.62 2.97 -2.72 | 39.59 3.03 -3.08 | 29.34 2.36 -0.18 | 30.22 2.33 -0.24 | 28.25 2.14 0.00 | 32.08 2.23 0.00 | 37.42 2.37 0.00 | 47.42 3.33 0.00 | 63.66 4.29 0.00 | 77.04 4.89 -0.12 | 55.41 3.28 0.01 | 48.25 2.63 -0.42 | 44.90 1.99 -0.06 |
| HOLTSVILLE_IC_5 23694 | 30.71 1.48 -1.25 | 30.54 1.49 -0.83 | 37.14 1.58 0.01 | 30.73 1.41 0.01 | 28.87 1.40 0.01 | 34.93 1.79 -0.15 | 28.76 1.61 0.01 | 29.70 1.73 0.00 | 32.47 2.06 0.00 | 41.34 2.83 0.00 | 53.61 3.40 0.00 | 41.62 2.97 -2.72 | 39.59 3.03 -3.08 | 29.34 2.36 -0.18 | 30.22 2.33 -0.24 | 28.25 2.14 0.00 | 32.08 2.23 0.00 | 37.42 2.37 0.00 | 47.42 3.33 0.00 | 63.66 4.29 0.00 | 77.04 4.89 -0.12 | 55.41 3.28 0.01 | 48.25 2.63 -0.42 | 44.90 1.99 -0.06 |
| HOLTSVILLE_IC_6 23695 | 30.95 1.58 -1.40 | 30.73 1.58 -0.93 | 37.25 1.69 0.01 | 30.82 1.49 0.01 | 28.96 1.49 0.01 | 35.06 1.90 -0.17 | 28.85 1.70 0.01 | 29.82 1.85 0.00 | 32.63 2.21 0.00 | 41.54 3.03 0.00 | 53.85 3.64 0.00 | 41.97 3.15 -2.90 | 39.90 3.21 -3.21 | 29.48 2.49 -0.19 | 30.37 2.46 -0.26 | 28.37 2.26 0.00 | 32.23 2.38 0.00 | 37.60 2.55 0.00 | 47.67 3.58 0.00 | 64.00 4.63 0.00 | 77.45 5.29 -0.13 | 55.67 3.54 0.01 | 48.49 2.84 -0.46 | 45.07 2.15 -0.06 |
| HOLTSVILLE_IC_7 23696 | 30.95 1.58 -1.40 | 30.73 1.58 -0.93 | 37.25 1.69 0.01 | 30.82 1.49 0.01 | 28.96 1.49 0.01 | 35.06 1.90 -0.17 | 28.85 1.70 0.01 | 29.82 1.85 0.00 | 32.63 2.21 0.00 | 41.54 3.03 0.00 | 53.85 3.64 0.00 | 41.97 3.15 -2.90 | 39.90 3.21 -3.21 | 29.48 2.49 -0.19 | 30.37 2.46 -0.26 | 28.37 2.26 0.00 | 32.23 2.38 0.00 | 37.60 2.55 0.00 | 47.67 3.58 0.00 | 64.00 4.63 0.00 | 77.45 5.29 -0.13 | 55.67 3.54 0.01 | 48.49 2.84 -0.46 | 45.07 2.15 -0.06 |
| HOLTSVILLE_IC_8 23697 | 30.95 1.58 -1.40 | 30.73 1.58 -0.93 | 37.25 1.69 0.01 | 30.82 1.49 0.01 | 28.96 1.49 0.01 | 35.06 1.90 -0.17 | 28.85 1.70 0.01 | 29.82 1.85 0.00 | 32.63 2.21 0.00 | 41.54 3.03 0.00 | 53.85 3.64 0.00 | 41.97 3.15 -2.90 | 39.90 3.21 -3.21 | 29.48 2.49 -0.19 | 30.37 2.46 -0.26 | 28.37 2.26 0.00 | 32.23 2.38 0.00 | 37.60 2.55 0.00 | 47.67 3.58 0.00 | 64.00 4.63 0.00 | 77.45 5.29 -0.13 | 55.67 3.54 0.01 | 48.49 2.84 -0.46 | 45.07 2.15 -0.06 |
| HOLTSVILLE_IC_9 23698 | 30.95 1.58 -1.40 | 30.73 1.58 -0.93 | 37.25 1.69 0.01 | 30.82 1.49 0.01 | 28.96 1.49 0.01 | 35.06 1.90 -0.17 | 28.85 1.70 0.01 | 29.82 1.85 0.00 | 32.63 2.21 0.00 | 41.54 3.03 0.00 | 53.85 3.64 0.00 | 41.97 3.15 -2.90 | 39.90 3.21 -3.21 | 29.48 2.49 -0.19 | 30.37 2.46 -0.26 | 28.37 2.26 0.00 | 32.23 2.38 0.00 | 37.60 2.55 0.00 | 47.67 3.58 0.00 | 64.00 4.63 0.00 | 77.45 5.29 -0.13 | 55.67 3.54 0.01 | 48.49 2.84 -0.46 | 45.07 2.15 -0.06 |
| HOMER_HL_115KV_TB2 355744 | 26.03 -1.93 0.00 | 26.28 -1.94 0.00 | 33.54 -2.04 0.00 | 27.36 -1.97 0.00 | 25.65 -1.82 0.00 | 31.02 -1.96 0.00 | 25.63 -1.52 0.00 | 26.37 -1.60 0.00 | 28.95 -1.46 0.00 | 36.73 -1.78 0.00 | 47.89 -2.32 0.00 | 34.48 -1.45 0.00 | 32.10 -1.38 0.00 | 25.57 -1.23 0.00 | 26.58 -1.07 0.00 | 24.88 -1.22 0.00 | 28.48 -1.37 0.00 | 33.43 -1.62 0.00 | 42.28 -1.81 0.00 | 56.70 -2.68 0.00 | 69.03 -3.01 0.00 | 50.38 -1.75 0.00 | 44.01 -1.19 0.00 | 41.93 -0.92 0.00 |
| HOWARD_WT_PWR 323690 | 27.77 -3.15 -2.95 | 37.07 -3.04 -11.88 | 31.80 -3.77 0.00 | 26.14 -3.20 0.00 | 24.65 -2.83 0.00 | 36.81 -3.46 -7.28 | 45.06 -2.66 -20.57 | 43.65 -2.69 -18.36 | 48.43 -2.87 -20.89 | 62.26 -3.77 -27.52 | 78.86 -4.97 -33.62 | 58.31 -3.68 -26.07 | 56.00 -3.67 -26.18 | 29.74 -3.04 -5.99 | 24.99 -2.65 0.00 | 23.36 -2.75 0.00 | 28.75 -2.67 -1.56 | 55.66 -3.13 -23.73 | 74.07 -3.02 -33.00 | 93.10 -5.14 -38.86 | 100.54 -6.03 -34.54 | 49.60 -4.52 -1.98 | 41.62 -3.57 0.00 | 39.89 -2.97 0.00 |

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| HQ_GEN_CEDARS 23644 | 28.01 0.04 0.00 | 28.17 -0.05 0.00 | 37.08 0.01 -1.50 | 30.14 -0.08 -0.89 | 29.72 -0.14 -2.39 | 35.17 -0.08 -2.27 | 29.58 -0.11 -2.53 | 30.49 0.00 -2.52 | 32.19 0.03 -1.75 | 39.66 0.13 -1.01 | 50.70 0.49 0.00 | 36.27 0.34 0.00 | 33.67 0.19 0.00 | 26.97 0.17 0.00 | 27.80 0.15 0.00 | 26.16 0.05 0.00 | 29.71 -0.14 0.00 | 34.72 -0.33 0.00 | 43.86 -0.43 -0.20 | 62.34 -0.48 -3.45 | 73.29 0.87 -0.39 | 52.99 0.85 0.00 | 46.17 0.97 0.00 | 43.81 0.96 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 28.00 0.03 0.00 | 28.17 -0.05 0.00 | 37.08 0.01 -1.50 | 30.14 -0.08 -0.89 | 29.72 -0.15 -2.39 | 35.17 -0.08 -2.27 | 29.58 -0.11 -2.53 | 30.48 0.00 -2.52 | 32.19 0.03 -1.75 | 39.66 0.14 -1.01 | 50.70 0.49 0.00 | 36.27 0.34 0.00 | 33.67 0.19 0.00 | 26.97 0.17 0.00 | 27.80 0.15 0.00 | 26.16 0.05 0.00 | 29.71 -0.14 0.00 | 34.72 -0.34 0.00 | 43.85 -0.44 -0.20 | 62.34 -0.48 -3.45 | 73.30 0.88 -0.39 | 52.99 0.85 0.00 | 45.53 0.97 0.64 | 43.81 0.96 0.00 |
| HQ_GEN_IMPORT 323601 | 28.02 0.05 0.00 | 28.24 0.02 0.00 | 35.65 0.07 0.00 | 29.35 0.01 0.00 | 27.42 -0.05 0.00 | 33.11 -0.02 -0.15 | 27.10 -0.05 0.00 | 27.99 0.02 0.00 | 30.46 0.04 0.00 | 38.60 0.08 0.00 | 50.57 0.36 0.00 | 36.21 0.29 0.00 | 33.68 0.20 0.00 | 26.98 0.18 0.00 | 27.85 0.20 0.00 | 26.25 0.14 0.00 | 29.90 0.04 0.00 | 35.01 -0.04 0.00 | 43.98 -0.12 0.00 | 59.26 -0.11 0.00 | 72.36 0.33 0.00 | 52.51 0.37 0.00 | 45.64 0.44 0.00 | 43.30 0.45 0.00 |
| HQ_GEN_WHEEL 23651 | 28.02 0.05 0.00 | 28.24 0.02 0.00 | 35.65 0.07 0.00 | 29.35 0.01 0.00 | 27.42 -0.05 0.00 | 33.11 -0.02 -0.15 | 27.10 -0.05 0.00 | 27.99 0.02 0.00 | 30.46 0.04 0.00 | 38.60 0.08 0.00 | 50.57 0.36 0.00 | 36.21 0.29 0.00 | 33.68 0.20 0.00 | 26.98 0.18 0.00 | 27.85 0.20 0.00 | 26.25 0.14 0.00 | 29.90 0.04 0.00 | 35.01 -0.04 0.00 | 43.98 -0.12 0.00 | 59.26 -0.11 0.00 | 72.36 0.33 0.00 | 52.51 0.37 0.00 | 45.64 0.44 0.00 | 43.30 0.45 0.00 |
| HUDSON AVE_GT_3 23810 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.66 1.33 0.00 | 28.76 1.29 0.00 | 34.63 1.66 0.00 | 29.03 1.87 0.00 | 30.20 2.23 0.00 | 32.85 2.43 0.00 | 41.52 3.01 0.00 | 53.89 3.68 0.00 | 38.68 2.76 0.00 | 36.30 2.82 0.00 | 29.00 2.20 0.00 | 29.89 2.24 0.00 | 28.16 2.05 0.00 | 32.25 2.41 0.00 | 37.81 2.77 0.00 | 47.58 3.49 0.00 | 63.94 4.57 0.00 | 76.78 4.75 0.00 | 55.13 3.00 0.00 | 47.37 2.18 0.00 | 44.65 1.79 0.00 |
| HUDSON AVE_GT_4 23540 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.66 1.33 0.00 | 28.76 1.29 0.00 | 34.63 1.66 0.00 | 29.03 1.87 0.00 | 30.20 2.23 0.00 | 32.85 2.43 0.00 | 41.52 3.01 0.00 | 53.89 3.68 0.00 | 38.68 2.76 0.00 | 36.30 2.82 0.00 | 29.00 2.20 0.00 | 29.89 2.24 0.00 | 28.16 2.05 0.00 | 32.25 2.41 0.00 | 37.81 2.77 0.00 | 47.58 3.49 0.00 | 63.94 4.57 0.00 | 76.78 4.75 0.00 | 55.13 3.00 0.00 | 47.37 2.18 0.00 | 44.65 1.79 0.00 |
| HUDSON AVE_GT_5 23657 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.66 1.33 0.00 | 28.76 1.29 0.00 | 34.63 1.66 0.00 | 29.03 1.87 0.00 | 30.20 2.23 0.00 | 32.85 2.43 0.00 | 41.52 3.01 0.00 | 53.89 3.68 0.00 | 38.68 2.76 0.00 | 36.30 2.82 0.00 | 29.00 2.20 0.00 | 29.89 2.24 0.00 | 28.16 2.05 0.00 | 32.25 2.41 0.00 | 37.81 2.77 0.00 | 47.58 3.49 0.00 | 63.94 4.57 0.00 | 76.78 4.75 0.00 | 55.13 3.00 0.00 | 47.37 2.18 0.00 | 44.65 1.79 0.00 |
| HUDSON_AVE_10 24168 | 29.18 1.21 0.00 | 29.44 1.22 0.00 | 36.98 1.41 0.00 | 30.56 1.22 0.00 | 28.67 1.20 0.00 | 34.53 1.55 0.00 | 28.94 1.79 0.00 | 30.12 2.15 0.00 | 32.76 2.34 0.00 | 41.39 2.88 0.00 | 53.73 3.52 0.00 | 38.56 2.64 0.00 | 36.19 2.71 0.00 | 28.91 2.11 0.00 | 29.79 2.14 0.00 | 28.06 1.95 0.00 | 32.15 2.30 0.00 | 37.68 2.63 0.00 | 47.43 3.33 0.00 | 63.74 4.37 0.00 | 76.56 4.52 0.00 | 54.96 2.83 0.00 | 47.22 2.03 0.00 | 44.51 1.65 0.00 |
| HUDSON___115KV_TB 4 355613 | 29.01 1.04 0.00 | 29.27 1.05 0.00 | 36.82 1.25 0.00 | 30.43 1.10 0.00 | 28.55 1.08 0.00 | 34.31 1.34 0.00 | 28.67 1.52 0.00 | 29.40 1.43 0.00 | 31.68 1.26 0.00 | 39.92 1.41 0.00 | 51.86 1.65 0.00 | 36.87 0.94 0.00 | 34.38 0.90 0.00 | 27.44 0.64 0.00 | 28.30 0.65 0.00 | 26.87 0.76 0.00 | 31.01 1.15 0.00 | 36.56 1.51 0.00 | 46.15 2.05 0.00 | 62.35 2.97 0.00 | 75.02 2.98 0.00 | 53.99 1.85 0.00 | 46.38 1.18 0.00 | 43.79 0.93 0.00 |
| HUNTER MOUNT___DRP 323613 | 29.14 1.17 0.00 | 29.39 1.17 0.00 | 36.99 1.42 0.00 | 30.56 1.22 0.00 | 28.68 1.21 0.00 | 34.48 1.51 0.00 | 28.82 1.66 0.00 | 29.55 1.57 0.00 | 31.84 1.43 0.00 | 40.14 1.63 0.00 | 52.15 1.94 0.00 | 37.03 1.10 0.00 | 34.46 0.98 0.00 | 27.49 0.68 0.00 | 28.32 0.67 0.00 | 26.90 0.79 0.00 | 31.09 1.24 0.00 | 36.73 1.68 0.00 | 46.30 2.21 0.00 | 62.58 3.20 0.00 | 75.31 3.28 0.00 | 54.21 2.07 0.00 | 46.56 1.37 0.00 | 43.95 1.10 0.00 |
| HUNTINGTON_RES_REC 323705 | 30.89 1.46 -1.46 | 30.68 1.49 -0.97 | 37.16 1.60 0.01 | 30.73 1.40 0.01 | 28.86 1.39 0.01 | 34.96 1.80 -0.18 | 28.80 1.65 0.01 | 29.79 1.81 0.00 | 32.52 2.11 0.00 | 41.35 2.84 0.00 | 53.62 3.40 0.00 | 41.78 2.94 -2.91 | 39.68 2.98 -3.23 | 29.29 2.29 -0.19 | 30.19 2.28 -0.26 | 28.19 2.08 0.00 | 32.02 2.18 0.00 | 37.41 2.36 0.00 | 47.43 3.34 0.00 | 63.68 4.30 0.00 | 76.98 4.82 -0.13 | 55.32 3.19 0.01 | 48.21 2.55 -0.46 | 44.85 1.94 -0.06 |
| HUNTLEY___63 23557 | 24.85 -2.42 0.70 | 22.95 -2.45 2.82 | 32.83 -2.75 0.00 | 26.69 -2.64 0.00 | 25.05 -2.42 0.00 | 28.48 -2.78 1.73 | 20.04 -2.24 4.87 | 21.13 -2.44 4.40 | 23.15 -2.27 5.00 | 29.23 -2.69 6.59 | 38.62 -3.54 8.05 | 27.45 -2.23 6.24 | 24.85 -2.35 6.27 | 23.48 -1.89 1.43 | 26.04 -1.60 0.00 | 24.50 -1.61 0.00 | 27.58 -1.90 0.37 | 27.03 -2.34 5.69 | 33.47 -2.71 7.91 | 46.32 -3.74 9.32 | 59.49 -4.25 8.29 | 48.86 -2.80 0.47 | 43.26 -1.93 0.00 | 41.39 -1.47 0.00 |
| HUNTLEY___64 23558 | 24.85 -2.42 0.70 | 22.95 -2.45 2.82 | 32.83 -2.75 0.00 | 26.69 -2.64 0.00 | 25.05 -2.42 0.00 | 28.48 -2.78 1.73 | 20.04 -2.24 4.87 | 21.13 -2.44 4.40 | 23.15 -2.27 5.00 | 29.23 -2.69 6.59 | 38.62 -3.54 8.05 | 27.45 -2.23 6.24 | 24.85 -2.35 6.27 | 23.48 -1.89 1.43 | 26.04 -1.60 0.00 | 24.50 -1.61 0.00 | 27.58 -1.90 0.37 | 27.03 -2.34 5.69 | 33.47 -2.71 7.91 | 46.32 -3.74 9.32 | 59.49 -4.25 8.29 | 48.86 -2.80 0.47 | 43.26 -1.93 0.00 | 41.39 -1.47 0.00 |
| HUNTLEY___65 23559 | 24.85 -2.42 0.70 | 22.95 -2.45 2.82 | 32.83 -2.75 0.00 | 26.69 -2.64 0.00 | 25.05 -2.42 0.00 | 28.48 -2.78 1.73 | 20.04 -2.24 4.87 | 21.13 -2.44 4.40 | 23.15 -2.27 5.00 | 29.23 -2.69 6.59 | 38.62 -3.54 8.05 | 27.45 -2.23 6.24 | 24.85 -2.35 6.27 | 23.48 -1.89 1.43 | 26.04 -1.60 0.00 | 24.50 -1.61 0.00 | 27.58 -1.90 0.37 | 27.03 -2.34 5.69 | 33.47 -2.71 7.91 | 46.32 -3.74 9.32 | 59.49 -4.25 8.29 | 48.86 -2.80 0.47 | 43.26 -1.93 0.00 | 41.39 -1.47 0.00 |
| HUNTLEY___66 23560 | 24.85 -2.42 0.70 | 22.95 -2.45 2.82 | 32.83 -2.75 0.00 | 26.69 -2.64 0.00 | 25.05 -2.42 0.00 | 28.48 -2.78 1.73 | 20.04 -2.24 4.87 | 21.13 -2.44 4.40 | 23.15 -2.27 5.00 | 29.23 -2.69 6.59 | 38.62 -3.54 8.05 | 27.45 -2.23 6.24 | 24.85 -2.35 6.27 | 23.48 -1.89 1.43 | 26.04 -1.60 0.00 | 24.50 -1.61 0.00 | 27.58 -1.90 0.37 | 27.03 -2.34 5.69 | 33.47 -2.71 7.91 | 46.32 -3.74 9.32 | 59.49 -4.25 8.29 | 48.86 -2.80 0.47 | 43.26 -1.93 0.00 | 41.39 -1.47 0.00 |

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|------------------------------|-------------------------|--------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------------------|------------------------|------------------------|------------------------|
| HUNTLEY___67 23561 | 24.77 -2.53 0.67 | 22.99 -2.53 2.69 | 32.70 -2.88 0.00 | 26.58 -2.75 0.00 | 24.94 -2.53 0.00 | 28.45 -2.88 1.65 | 20.18 -2.31 4.66 | 21.25 -2.51 4.21 | 23.28 -2.36 4.79 | 29.39 -2.81 6.31 | 38.79 -3.71 7.70 | 27.61 -2.34 5.97 | 25.04 -2.44 6.00 | 23.43 -2.00 1.37 | 25.88 -1.77 0.00 | 24.36 -1.75 0.00 | 27.45 -2.05 0.36 | 27.18 -2.43 5.44 | 33.69 -2.84 7.57 | 46.52 -3.95 8.92 | 59.61 -4.50 7.92 | 48.64 -3.05 0.45 | 43.03 -2.17 0.00 | 41.11 -1.75 0.00 |
| HUNTLEY___68 23562 | 24.77 -2.53 0.67 | 22.99 -2.53 2.69 | 32.70 -2.88 0.00 | 26.58 -2.75 0.00 | 24.94 -2.53 0.00 | 28.45 -2.88 1.65 | 20.18 -2.31 4.66 | 21.25 -2.51 4.21 | 23.28 -2.36 4.79 | 29.39 -2.81 6.31 | 38.79 -3.71 7.70 | 27.61 -2.34 5.97 | 25.04 -2.44 6.00 | 23.43 -2.00 1.37 | 25.88 -1.77 0.00 | 24.36 -1.75 0.00 | 27.45 -2.05 0.36 | 27.18 -2.43 5.44 | 33.69 -2.84 7.57 | 46.52 -3.95 8.92 | 59.61 -4.50 7.92 | 48.64 -3.05 0.45 | 43.03 -2.17 0.00 | 41.11 -1.75 0.00 |
| HYLAND___LFGE 323620 | 30.06 -1.13 -3.22 | 40.04 -1.14 -12.95 | 34.32 -1.25 0.00 | 28.09 -1.25 0.00 | 26.40 -1.08 0.00 | 39.83 -1.09 -7.94 | 49.02 -0.55 -22.42 | 47.44 -0.51 -19.98 | 52.67 -0.48 -22.73 | 67.41 -1.04 -29.95 | 85.09 -1.70 -36.58 | 62.68 -1.62 -28.37 | 60.30 -1.67 -28.49 | 31.86 -1.46 -6.51 | 26.53 -1.11 0.00 | 25.05 -1.06 0.00 | 30.79 -0.77 -1.70 | 60.34 -0.54 -25.83 | 79.88 -0.13 -35.92 | 101.57 -0.09 -42.29 | 109.77 0.14 -37.59 | 54.30 0.02 -2.15 | 45.34 0.15 0.00 | 42.82 -0.04 0.00 |
| INDECK___CORINTH 23802 | 29.32 1.35 0.00 | 29.57 1.35 0.00 | 37.25 1.68 0.00 | 30.64 1.30 0.00 | 28.60 1.12 0.00 | 34.13 1.15 0.00 | 28.22 1.07 0.00 | 29.08 1.11 0.00 | 31.76 1.34 0.00 | 40.25 1.74 0.00 | 52.28 2.07 0.00 | 36.99 1.07 0.00 | 34.57 1.09 0.00 | 27.56 0.76 0.00 | 28.28 0.64 0.00 | 26.66 0.55 0.00 | 30.67 0.82 0.00 | 36.48 1.43 0.00 | 46.06 1.96 0.00 | 62.10 2.73 0.00 | 74.65 2.62 0.00 | 53.75 1.62 0.00 | 45.99 0.80 0.00 | 43.37 0.52 0.00 |
| INDECK___ILION 23567 | 28.02 0.05 0.00 | 28.28 0.06 0.00 | 35.59 0.01 0.00 | 29.41 0.08 0.00 | 27.55 0.08 0.00 | 33.06 0.08 0.00 | 27.36 0.21 0.00 | 28.19 0.22 0.00 | 30.59 0.18 0.00 | 38.83 0.32 0.00 | 50.44 0.23 0.00 | 35.78 -0.14 0.00 | 33.50 0.02 0.00 | 26.67 -0.13 0.00 | 27.39 -0.25 0.00 | 25.92 -0.19 0.00 | 29.84 -0.01 0.00 | 35.32 0.27 0.00 | 44.45 0.35 0.00 | 59.89 0.52 0.00 | 72.22 0.19 0.00 | 52.03 -0.11 0.00 | 44.84 -0.36 0.00 | 42.37 -0.48 0.00 |
| INDECK___OLEAN 23982 | 26.02 -1.95 0.00 | 26.28 -1.94 0.00 | 33.54 -2.03 0.00 | 27.37 -1.97 0.00 | 25.65 -1.82 0.00 | 31.03 -1.94 0.00 | 25.65 -1.50 0.00 | 26.39 -1.58 0.00 | 28.97 -1.44 0.00 | 36.76 -1.75 0.00 | 47.91 -2.30 0.00 | 34.50 -1.42 0.00 | 32.17 -1.30 0.00 | 25.58 -1.22 0.00 | 26.58 -1.06 0.00 | 24.89 -1.22 0.00 | 28.50 -1.35 0.00 | 33.47 -1.58 0.00 | 42.29 -1.80 0.00 | 56.70 -2.67 0.00 | 69.05 -2.99 0.00 | 50.39 -1.75 0.00 | 44.01 -1.19 0.00 | 41.94 -0.92 0.00 |
| INDECK___OSWEGO 23783 | 27.28 -0.69 0.00 | 27.51 -0.71 0.00 | 34.68 -0.89 0.00 | 28.58 -0.76 0.00 | 26.79 -0.68 0.00 | 32.15 -0.83 0.00 | 26.52 -0.63 0.00 | 27.25 -0.73 0.00 | 29.64 -0.78 0.00 | 37.51 -1.00 0.00 | 48.73 -1.48 0.00 | 34.80 -1.12 0.00 | 32.42 -1.07 0.00 | 26.03 -0.77 0.00 | 26.84 -0.81 0.00 | 25.39 -0.72 0.00 | 29.05 -0.80 0.00 | 34.16 -0.89 0.00 | 43.04 -1.05 0.00 | 57.94 -1.44 0.00 | 70.20 -1.84 0.00 | 50.84 -1.30 0.00 | 44.17 -1.03 0.00 | 41.94 -0.92 0.00 |
| INDECK___YERKES 23781 | 24.88 -2.39 0.70 | 22.98 -2.42 2.82 | 32.85 -2.72 0.00 | 26.71 -2.63 0.00 | 25.08 -2.40 0.00 | 28.54 -2.71 1.73 | 20.09 -2.19 4.87 | 21.19 -2.38 4.40 | 23.22 -2.20 5.00 | 29.31 -2.61 6.59 | 38.71 -3.45 8.05 | 27.53 -2.15 6.24 | 25.01 -2.20 6.27 | 23.53 -1.83 1.43 | 26.08 -1.56 0.00 | 24.53 -1.58 0.00 | 27.62 -1.86 0.37 | 27.11 -2.25 5.69 | 33.53 -2.65 7.91 | 46.40 -3.66 9.32 | 59.57 -4.18 8.29 | 48.92 -2.75 0.47 | 43.30 -1.89 0.00 | 41.44 -1.42 0.00 |
| INDIAN POINT_GT_1 24139 | 28.93 0.96 0.00 | 29.20 0.98 0.00 | 36.70 1.12 0.00 | 30.33 1.00 0.00 | 28.46 0.98 0.00 | 34.24 1.26 0.00 | 28.66 1.51 0.00 | 29.78 1.80 0.00 | 32.34 1.92 0.00 | 40.90 2.39 0.00 | 53.11 2.91 0.00 | 38.08 2.16 0.00 | 35.69 2.22 0.00 | 28.51 1.71 0.00 | 29.36 1.72 0.00 | 27.71 1.60 0.00 | 31.76 1.91 0.00 | 37.29 2.24 0.00 | 46.92 2.83 0.00 | 63.10 3.72 0.00 | 75.79 3.76 0.00 | 54.46 2.32 0.00 | 46.79 1.59 0.00 | 44.12 1.26 0.00 |
| INDIAN POINT_GT_2 23659 | 28.93 0.96 0.00 | 29.20 0.98 0.00 | 36.70 1.12 0.00 | 30.33 1.00 0.00 | 28.46 0.98 0.00 | 34.24 1.26 0.00 | 28.66 1.51 0.00 | 29.78 1.80 0.00 | 32.34 1.92 0.00 | 40.90 2.39 0.00 | 53.11 2.91 0.00 | 38.08 2.16 0.00 | 35.69 2.22 0.00 | 28.51 1.71 0.00 | 29.36 1.72 0.00 | 27.71 1.60 0.00 | 31.76 1.91 0.00 | 37.29 2.24 0.00 | 46.92 2.83 0.00 | 63.10 3.72 0.00 | 75.79 3.76 0.00 | 54.46 2.32 0.00 | 46.79 1.59 0.00 | 44.12 1.26 0.00 |
| INDIAN POINT_GT_3 24019 | 28.93 0.96 0.00 | 29.20 0.98 0.00 | 36.70 1.12 0.00 | 30.33 1.00 0.00 | 28.46 0.98 0.00 | 34.24 1.26 0.00 | 28.66 1.51 0.00 | 29.78 1.80 0.00 | 32.34 1.92 0.00 | 40.90 2.39 0.00 | 53.11 2.91 0.00 | 38.08 2.16 0.00 | 35.69 2.22 0.00 | 28.51 1.71 0.00 | 29.36 1.72 0.00 | 27.71 1.60 0.00 | 31.76 1.91 0.00 | 37.29 2.24 0.00 | 46.92 2.83 0.00 | 63.10 3.72 0.00 | 75.79 3.76 0.00 | 54.46 2.32 0.00 | 46.79 1.59 0.00 | 44.12 1.26 0.00 |
| INDIAN POINT___2 23530 | 28.83 0.86 0.00 | 29.09 0.87 0.00 | 36.58 1.01 0.00 | 30.23 0.90 0.00 | 28.36 0.88 0.00 | 34.12 1.15 0.00 | 28.56 1.41 0.00 | 29.66 1.69 0.00 | 32.21 1.79 0.00 | 40.72 2.22 0.00 | 52.91 2.70 0.00 | 37.92 2.00 0.00 | 35.52 2.04 0.00 | 28.40 1.60 0.00 | 29.23 1.59 0.00 | 27.61 1.50 0.00 | 31.66 1.81 0.00 | 37.17 2.11 0.00 | 46.76 2.67 0.00 | 62.86 3.49 0.00 | 75.51 3.48 0.00 | 54.28 2.14 0.00 | 46.62 1.42 0.00 | 43.99 1.13 0.00 |
| INDIAN POINT___3 23531 | 28.98 1.01 0.00 | 29.23 1.01 0.00 | 36.74 1.17 0.00 | 30.38 1.05 0.00 | 28.49 1.02 0.00 | 34.29 1.31 0.00 | 28.70 1.55 0.00 | 29.81 1.84 0.00 | 32.38 1.96 0.00 | 40.95 2.44 0.00 | 53.18 2.97 0.00 | 38.13 2.21 0.00 | 35.73 2.25 0.00 | 28.56 1.76 0.00 | 29.42 1.77 0.00 | 27.74 1.63 0.00 | 31.81 1.96 0.00 | 37.32 2.27 0.00 | 46.96 2.87 0.00 | 63.16 3.79 0.00 | 75.88 3.85 0.00 | 54.52 2.38 0.00 | 46.84 1.64 0.00 | 44.16 1.31 0.00 |
| INGHAM_C_115KV_TB7 356103 | 27.97 0.01 0.00 | 28.24 0.02 0.00 | 35.47 -0.10 0.00 | 29.37 0.04 0.00 | 27.50 0.03 0.00 | 33.03 0.06 0.00 | 27.42 0.26 0.00 | 28.25 0.28 0.00 | 30.55 0.13 0.00 | 38.86 0.35 0.00 | 50.41 0.20 0.00 | 35.41 -0.52 0.00 | 33.28 -0.20 0.00 | 26.30 -0.50 0.00 | 26.91 -0.73 0.00 | 25.53 -0.58 0.00 | 29.59 -0.26 0.00 | 35.36 0.31 0.00 | 44.54 0.44 0.00 | 60.09 0.71 0.00 | 72.01 -0.02 0.00 | 51.63 -0.50 0.00 | 44.22 -0.98 0.00 | 41.67 -1.19 0.00 |
| IP CORINTH___1 23988 | 29.32 1.35 0.00 | 29.57 1.35 0.00 | 37.25 1.68 0.00 | 30.67 1.33 0.00 | 28.66 1.18 0.00 | 34.26 1.28 0.00 | 28.36 1.21 0.00 | 29.24 1.27 0.00 | 31.93 1.51 0.00 | 40.47 1.96 0.00 | 52.57 2.35 0.00 | 37.20 1.28 0.00 | 34.75 1.28 0.00 | 27.70 0.90 0.00 | 28.43 0.78 0.00 | 26.80 0.69 0.00 | 30.84 0.99 0.00 | 36.69 1.64 0.00 | 46.31 2.21 0.00 | 62.44 3.06 0.00 | 75.04 3.01 0.00 | 54.02 1.88 0.00 | 46.22 1.03 0.00 | 43.59 0.73 0.00 |

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|------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| IP___TICONDEROGA 23804 | 29.79 1.82 0.00 | 30.02 1.80 0.00 | 37.96 2.39 0.00 | 31.30 1.97 0.00 | 29.35 1.88 0.00 | 35.34 2.36 0.00 | 28.98 1.82 0.00 | 29.94 1.97 0.00 | 32.96 2.54 0.00 | 42.09 3.59 0.00 | 54.46 4.25 0.00 | 38.45 2.53 0.00 | 35.70 2.22 0.00 | 28.45 1.65 0.00 | 29.15 1.51 0.00 | 27.31 1.20 0.00 | 31.57 1.72 0.00 | 38.03 2.99 0.00 | 47.97 3.88 0.00 | 64.69 5.32 0.00 | 77.60 5.57 0.00 | 55.60 3.47 0.00 | 47.28 2.09 0.00 | 44.51 1.65 0.00 |
| ISLIP_RES_REC 323679 | 31.12 1.65 -1.50 | 30.87 1.65 -1.00 | 37.34 1.77 0.01 | 30.89 1.56 0.01 | 29.02 1.55 0.01 | 35.17 2.01 -0.18 | 28.93 1.79 0.01 | 29.93 1.95 0.00 | 32.76 2.34 0.00 | 41.70 3.19 0.00 | 54.07 3.85 0.00 | 42.24 3.30 -3.01 | 40.14 3.37 -3.30 | 29.61 2.61 -0.20 | 30.50 2.58 -0.27 | 28.48 2.37 0.00 | 32.35 2.50 0.00 | 37.74 2.69 0.00 | 47.85 3.77 0.00 | 64.28 4.90 0.00 | 77.77 5.60 -0.13 | 55.88 3.75 0.01 | 48.68 3.00 -0.48 | 45.22 2.30 -0.06 |
| JAMAICA__27_KV_LOAD 355505 | 29.25 1.28 0.00 | 29.50 1.28 0.00 | 37.02 1.45 0.00 | 30.59 1.26 0.00 | 28.71 1.23 0.00 | 34.59 1.61 0.00 | 29.00 1.85 0.00 | 30.20 2.23 0.00 | 32.85 2.43 0.00 | 41.48 2.97 0.00 | 53.88 3.67 0.00 | 38.65 2.73 0.00 | 36.31 2.83 0.00 | 28.95 2.15 0.00 | 29.83 2.19 0.00 | 28.08 1.97 0.00 | 32.20 2.35 0.00 | 37.74 2.69 0.00 | 47.51 3.42 0.00 | 63.89 4.51 0.00 | 76.75 4.72 0.00 | 55.12 2.98 0.00 | 47.35 2.15 0.00 | 44.61 1.75 0.00 |
| JANIS___SOLAR 323808 | 27.95 -0.25 -0.23 | 28.83 -0.30 -0.91 | 35.22 -0.35 0.00 | 29.00 -0.33 0.00 | 27.19 -0.28 0.00 | 33.37 -0.16 -0.56 | 28.97 0.24 -1.58 | 29.69 0.30 -1.42 | 32.38 0.35 -1.61 | 41.02 0.38 -2.12 | 52.98 0.18 -2.60 | 38.26 0.32 -2.01 | 35.66 0.16 -2.02 | 27.00 -0.26 -0.46 | 27.16 -0.48 0.00 | 25.74 -0.37 0.00 | 29.87 -0.10 -0.12 | 37.31 0.42 -1.83 | 47.54 0.90 -2.55 | 63.91 1.53 -3.00 | 76.33 1.63 -2.67 | 53.19 0.90 -0.15 | 45.59 0.39 0.00 | 43.22 0.37 0.00 |
| JARVIS____ 23743 | 28.00 0.03 0.00 | 28.25 0.03 0.00 | 35.58 0.01 0.00 | 29.37 0.03 0.00 | 27.53 0.05 0.00 | 33.01 0.03 0.00 | 27.27 0.12 0.00 | 28.08 0.11 0.00 | 30.53 0.11 0.00 | 38.67 0.15 0.00 | 50.31 0.10 0.00 | 35.93 0.00 0.00 | 33.52 0.05 0.00 | 26.81 0.01 0.00 | 27.64 0.00 0.00 | 26.13 0.02 0.00 | 29.93 0.07 0.00 | 35.20 0.15 0.00 | 44.30 0.21 0.00 | 59.67 0.30 0.00 | 72.22 0.19 0.00 | 52.18 0.05 0.00 | 45.15 -0.05 0.00 | 42.77 -0.08 0.00 |
| JENNISON___1 23625 | 27.29 -0.68 0.00 | 27.44 -0.78 0.00 | 34.58 -1.00 0.00 | 28.48 -0.86 0.00 | 26.68 -0.79 0.00 | 32.27 -0.71 0.00 | 27.01 -0.14 0.00 | 27.91 -0.07 0.00 | 30.34 -0.07 0.00 | 38.44 -0.07 0.00 | 50.19 -0.03 0.00 | 36.17 0.25 0.00 | 33.64 0.16 0.00 | 26.43 -0.38 0.00 | 27.02 -0.63 0.00 | 25.58 -0.53 0.00 | 29.45 -0.40 0.00 | 35.02 -0.03 0.00 | 44.71 0.62 0.00 | 60.54 1.16 0.00 | 72.52 0.49 0.00 | 52.14 0.01 0.00 | 44.64 -0.56 0.00 | 42.42 -0.44 0.00 |
| JENNISON___2 23626 | 27.29 -0.68 0.00 | 27.44 -0.78 0.00 | 34.58 -1.00 0.00 | 28.48 -0.86 0.00 | 26.68 -0.79 0.00 | 32.27 -0.71 0.00 | 27.01 -0.14 0.00 | 27.91 -0.07 0.00 | 30.34 -0.07 0.00 | 38.44 -0.07 0.00 | 50.19 -0.03 0.00 | 36.17 0.25 0.00 | 33.64 0.16 0.00 | 26.43 -0.38 0.00 | 27.02 -0.63 0.00 | 25.58 -0.53 0.00 | 29.45 -0.40 0.00 | 35.02 -0.03 0.00 | 44.71 0.62 0.00 | 60.54 1.16 0.00 | 72.52 0.49 0.00 | 52.14 0.01 0.00 | 44.64 -0.56 0.00 | 42.42 -0.44 0.00 |
| JERICHO_RISE_WT_PWR 323719 | 27.29 -0.68 0.00 | 27.45 -0.76 0.00 | 4.91 -0.99 29.67 | 10.85 -0.87 17.61 | -21.02 -0.97 47.53 | -51.84 -1.30 83.52 | -25.20 -0.94 51.42 | -25.18 -0.83 52.32 | -6.79 -0.87 36.33 | 16.45 -0.97 21.09 | 50.19 -0.02 0.00 | 35.94 0.02 0.00 | 33.18 -0.29 0.00 | 26.60 -0.20 0.00 | 27.45 -0.19 0.00 | 25.79 -0.32 0.00 | 29.18 -0.67 0.00 | 33.99 -1.06 0.00 | 37.52 -1.45 5.12 | -27.97 -1.97 85.37 | 62.98 -1.11 7.94 | 51.81 -0.33 0.00 | 45.34 0.14 0.00 | 42.94 0.08 0.00 |
| KATONAH___115KV_46KV_TB4 355592 | 29.17 1.20 0.00 | 29.44 1.22 0.00 | 37.00 1.43 0.00 | 30.59 1.26 0.00 | 28.69 1.22 0.00 | 34.54 1.56 0.00 | 28.92 1.77 0.00 | 30.05 2.08 0.00 | 32.65 2.23 0.00 | 41.28 2.78 0.00 | 53.63 3.42 0.00 | 38.45 2.53 0.00 | 36.02 2.54 0.00 | 28.75 1.96 0.00 | 29.62 1.97 0.00 | 27.92 1.81 0.00 | 32.00 2.16 0.00 | 37.56 2.51 0.00 | 47.30 3.20 0.00 | 63.62 4.25 0.00 | 76.47 4.44 0.00 | 54.91 2.78 0.00 | 47.16 1.96 0.00 | 44.44 1.58 0.00 |
| KCE_NY_1 323755 | 29.19 1.22 0.00 | 29.49 1.27 0.00 | 37.06 1.49 0.00 | 30.63 1.30 0.00 | 28.66 1.19 0.00 | 34.41 1.44 0.00 | 28.93 1.78 0.00 | 29.96 1.99 0.00 | 32.22 1.81 0.00 | 40.86 2.35 0.00 | 53.13 2.92 0.00 | 37.83 1.91 0.00 | 35.11 1.63 0.00 | 28.03 1.23 0.00 | 28.83 1.19 0.00 | 27.23 1.12 0.00 | 31.28 1.43 0.00 | 37.16 2.11 0.00 | 46.76 2.67 0.00 | 63.07 3.70 0.00 | 75.95 3.92 0.00 | 54.54 2.40 0.00 | 46.80 1.61 0.00 | 44.16 1.30 0.00 |
| KCE_NY_6_ESR 323823 | 25.09 -2.31 0.57 | 23.61 -2.31 2.31 | 32.98 -2.59 0.00 | 26.82 -2.52 0.00 | 25.18 -2.30 0.00 | 29.01 -2.55 1.41 | 21.15 -2.01 3.99 | 22.15 -2.16 3.66 | 24.28 -1.98 4.16 | 30.64 -2.39 5.48 | 40.38 -3.14 6.69 | 28.80 -1.94 5.19 | 26.30 -1.97 5.21 | 23.92 -1.69 1.19 | 26.16 -1.48 0.00 | 24.63 -1.48 0.00 | 27.83 -1.71 0.31 | 28.35 -1.97 4.73 | 35.23 -2.29 6.58 | 48.45 -3.17 7.75 | 61.59 -3.56 6.89 | 49.35 -2.39 0.39 | 43.55 -1.64 0.00 | 41.58 -1.27 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 30.87 1.55 -1.35 | 30.67 1.55 -0.90 | 37.22 1.65 0.01 | 30.79 1.46 0.01 | 28.92 1.45 0.01 | 35.02 1.87 -0.16 | 28.82 1.67 0.01 | 29.80 1.82 0.00 | 32.58 2.17 0.00 | 41.48 2.97 0.00 | 53.78 3.57 0.00 | 41.87 3.11 -2.84 | 39.81 3.16 -3.17 | 29.44 2.45 -0.19 | 30.32 2.42 -0.25 | 28.33 2.22 0.00 | 32.18 2.33 0.00 | 37.55 2.50 0.00 | 47.61 3.52 0.00 | 63.82 4.45 0.00 | 77.22 5.06 -0.12 | 55.62 3.49 0.01 | 48.43 2.79 -0.45 | 45.03 2.11 -0.06 |
| KEDC_PORT_JEFF_GT3 24211 | 30.87 1.55 -1.35 | 30.67 1.55 -0.90 | 37.22 1.65 0.01 | 30.79 1.46 0.01 | 28.92 1.45 0.01 | 35.02 1.87 -0.16 | 28.82 1.67 0.01 | 29.80 1.82 0.00 | 32.58 2.17 0.00 | 41.48 2.97 0.00 | 53.78 3.57 0.00 | 41.87 3.11 -2.84 | 39.81 3.16 -3.17 | 29.44 2.45 -0.19 | 30.32 2.42 -0.25 | 28.33 2.22 0.00 | 32.18 2.33 0.00 | 37.55 2.50 0.00 | 47.61 3.52 0.00 | 63.82 4.45 0.00 | 77.22 5.06 -0.12 | 55.62 3.49 0.01 | 48.43 2.79 -0.45 | 45.03 2.11 -0.06 |
| KEDC_GLWD_GT4 24219 | 36.77 1.48 -7.32 | 34.61 1.51 -4.89 | 37.29 1.71 0.00 | 30.83 1.48 0.00 | 28.93 1.45 0.00 | 35.77 1.86 -0.93 | 29.06 1.90 0.00 | 30.14 2.16 0.00 | 32.81 2.39 0.00 | 41.54 3.03 0.00 | 53.93 3.72 0.00 | 51.01 2.88 -12.20 | 46.73 2.89 -10.36 | 30.04 2.24 -1.00 | 31.30 2.30 -1.36 | 28.18 2.07 0.00 | 32.22 2.37 0.00 | 37.76 2.70 0.00 | 47.63 3.54 0.00 | 64.01 4.63 0.00 | 77.64 4.97 -0.64 | 55.33 3.19 0.00 | 49.90 2.42 -2.29 | 45.17 1.97 -0.34 |
| KEDC_GLWD_GT5 24220 | 36.77 1.48 -7.32 | 34.61 1.51 -4.89 | 37.29 1.71 0.00 | 30.83 1.48 0.00 | 28.93 1.45 0.00 | 35.77 1.86 -0.93 | 29.06 1.90 0.00 | 30.14 2.16 0.00 | 32.81 2.39 0.00 | 41.54 3.03 0.00 | 53.93 3.72 0.00 | 51.01 2.88 -12.20 | 46.73 2.89 -10.36 | 30.04 2.24 -1.00 | 31.30 2.30 -1.36 | 28.18 2.07 0.00 | 32.22 2.37 0.00 | 37.76 2.70 0.00 | 47.63 3.54 0.00 | 64.01 4.63 0.00 | 77.64 4.97 -0.64 | 55.33 3.19 0.00 | 49.90 2.42 -2.29 | 45.17 1.97 -0.34 |

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|---|------------------------|------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|
| KENSICO____ 23655 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.92 1.35 0.00 | 30.53 1.20 0.00 | 28.62 1.15 0.00 | 34.46 1.48 0.00 | 28.85 1.70 0.00 | 29.98 2.00 0.00 | 32.58 2.17 0.00 | 41.20 2.69 0.00 | 53.50 3.29 0.00 | 38.38 2.46 0.00 | 35.98 2.50 0.00 | 28.74 1.94 0.00 | 29.61 1.96 0.00 | 27.91 1.80 0.00 | 31.98 2.14 0.00 | 37.52 2.47 0.00 | 47.23 3.13 0.00 | 63.51 4.14 0.00 | 76.32 4.28 0.00 | 54.81 2.67 0.00 | 47.08 1.88 0.00 | 44.38 1.53 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 29.25 1.28 0.00 | 29.51 1.29 0.00 | 37.09 1.52 0.00 | 30.66 1.32 0.00 | 28.76 1.29 0.00 | 34.61 1.63 0.00 | 28.98 1.82 0.00 | 30.09 2.12 0.00 | 32.69 2.28 0.00 | 41.38 2.87 0.00 | 53.73 3.52 0.00 | 38.41 2.48 0.00 | 35.69 2.21 0.00 | 28.48 1.68 0.00 | 29.36 1.72 0.00 | 27.69 1.58 0.00 | 31.82 1.97 0.00 | 37.52 2.47 0.00 | 47.42 3.33 0.00 | 63.79 4.42 0.00 | 76.74 4.71 0.00 | 55.13 2.99 0.00 | 47.34 2.14 0.00 | 44.61 1.75 0.00 |
| KIAC_JFK_GT1 23816 | 29.10 1.13 0.00 | 29.34 1.12 0.00 | 36.82 1.25 0.00 | 30.44 1.10 0.00 | 28.56 1.09 0.00 | 34.41 1.43 0.00 | 28.83 1.68 0.00 | 30.02 2.05 0.00 | 32.64 2.23 0.00 | 41.23 2.72 0.00 | 53.55 3.34 0.00 | 38.41 2.49 0.00 | 36.09 2.61 0.00 | 28.79 1.99 0.00 | 29.66 2.02 0.00 | 27.93 1.81 0.00 | 32.01 2.16 0.00 | 37.52 2.47 0.00 | 47.22 3.13 0.00 | 63.50 4.12 0.00 | 76.25 4.22 0.00 | 54.77 2.63 0.00 | 47.06 1.86 0.00 | 44.36 1.50 0.00 |
| KIAC_JFK_GT2 23817 | 29.10 1.13 0.00 | 29.34 1.12 0.00 | 36.82 1.25 0.00 | 30.44 1.10 0.00 | 28.56 1.09 0.00 | 34.41 1.43 0.00 | 28.83 1.68 0.00 | 30.02 2.05 0.00 | 32.64 2.23 0.00 | 41.23 2.72 0.00 | 53.55 3.34 0.00 | 38.41 2.49 0.00 | 36.09 2.61 0.00 | 28.79 1.99 0.00 | 29.66 2.02 0.00 | 27.93 1.81 0.00 | 32.01 2.16 0.00 | 37.52 2.47 0.00 | 47.22 3.13 0.00 | 63.50 4.12 0.00 | 76.25 4.22 0.00 | 54.77 2.63 0.00 | 47.06 1.86 0.00 | 44.36 1.50 0.00 |
| KIAC_JFK____ 323774 | 29.10 1.13 0.00 | 29.34 1.12 0.00 | 36.82 1.25 0.00 | 30.44 1.10 0.00 | 28.56 1.09 0.00 | 34.40 1.43 0.00 | 28.83 1.68 0.00 | 30.02 2.04 0.00 | 32.65 2.23 0.00 | 41.22 2.71 0.00 | 53.54 3.33 0.00 | 38.41 2.49 0.00 | 36.07 2.59 0.00 | 28.79 1.99 0.00 | 29.66 2.02 0.00 | 27.92 1.81 0.00 | 32.02 2.17 0.00 | 37.52 2.47 0.00 | 47.22 3.13 0.00 | 63.50 4.12 0.00 | 76.26 4.23 0.00 | 54.76 2.62 0.00 | 47.06 1.86 0.00 | 44.37 1.51 0.00 |
| KINTIGH____ 23543 | 25.29 -2.16 0.52 | 23.96 -2.16 2.10 | 33.09 -2.48 0.00 | 26.97 -2.36 0.00 | 25.30 -2.17 0.00 | 29.25 -2.44 1.29 | 21.58 -1.94 3.63 | 22.58 -2.13 3.26 | 24.71 -2.01 3.70 | 31.24 -2.39 4.88 | 41.07 -3.18 5.96 | 29.32 -1.98 4.62 | 26.75 -2.09 4.64 | 24.02 -1.72 1.06 | 26.10 -1.55 0.00 | 24.56 -1.55 0.00 | 27.78 -1.80 0.28 | 28.72 -2.12 4.21 | 35.75 -2.48 5.86 | 49.06 -3.42 6.90 | 61.91 -3.99 6.13 | 49.09 -2.70 0.35 | 43.25 -1.94 0.00 | 41.26 -1.60 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 27.81 -0.16 0.00 | 28.00 -0.22 0.00 | 7.94 -0.38 27.25 | 12.72 -0.44 16.18 | -16.73 -0.54 43.65 | -47.57 -0.76 79.79 | -20.63 -0.53 47.25 | -20.63 -0.41 48.19 | -3.33 -0.28 33.47 | 18.89 -0.20 19.42 | 51.07 0.86 0.00 | 36.56 0.64 0.00 | 33.73 0.25 0.00 | 27.04 0.24 0.00 | 27.81 0.17 0.00 | 26.15 0.04 0.00 | 29.75 -0.10 0.00 | 34.72 -0.33 0.00 | 38.87 -0.52 4.70 | -19.89 -0.82 78.45 | 64.90 0.16 7.29 | 52.71 0.57 0.00 | 46.07 0.87 0.00 | 43.59 0.73 0.00 |
| LACHUTE__HYDRO 323717 | 29.79 1.82 0.00 | 30.02 1.80 0.00 | 37.96 2.39 0.00 | 31.30 1.97 0.00 | 29.35 1.88 0.00 | 35.34 2.36 0.00 | 28.98 1.82 0.00 | 29.94 1.97 0.00 | 32.96 2.54 0.00 | 42.09 3.58 0.00 | 54.47 4.25 0.00 | 38.45 2.52 0.00 | 35.69 2.21 0.00 | 28.45 1.65 0.00 | 29.15 1.51 0.00 | 27.31 1.20 0.00 | 31.56 1.72 0.00 | 38.03 2.98 0.00 | 47.98 3.88 0.00 | 64.69 5.31 0.00 | 77.60 5.57 0.00 | 55.61 3.47 0.00 | 47.28 2.09 0.00 | 44.51 1.65 0.00 |
| LAWRNCALV_115KV_TB1 80681 | 27.50 -0.47 0.00 | 27.63 -0.59 0.00 | 38.66 -0.70 -3.79 | 30.91 -0.67 -2.25 | 32.84 -0.70 -6.07 | 38.06 -0.73 -5.82 | 33.05 -0.59 -6.49 | 33.93 -0.48 -6.43 | 34.41 -0.48 -4.47 | 40.62 -0.49 -2.59 | 49.86 -0.35 0.00 | 35.58 -0.34 0.00 | 32.97 -0.51 0.00 | 26.43 -0.38 0.00 | 27.26 -0.38 0.00 | 25.65 -0.46 0.00 | 29.14 -0.71 0.00 | 34.05 -1.00 0.00 | 43.48 -1.21 -0.60 | 67.98 -1.52 -10.13 | 72.75 -0.29 -1.00 | 52.11 -0.03 0.00 | 45.43 0.23 0.00 | 43.07 0.21 0.00 |
| LEDERLE____ 23769 | 29.03 1.06 0.00 | 29.28 1.06 0.00 | 36.82 1.25 0.00 | 30.43 1.09 0.00 | 28.55 1.08 0.00 | 34.46 1.48 0.00 | 28.87 1.71 0.00 | 29.99 2.02 0.00 | 32.58 2.16 0.00 | 41.22 2.71 0.00 | 53.55 3.34 0.00 | 38.39 2.47 0.00 | 35.95 2.48 0.00 | 28.73 1.93 0.00 | 29.59 1.94 0.00 | 27.96 1.85 0.00 | 32.06 2.21 0.00 | 37.52 2.46 0.00 | 47.16 3.06 0.00 | 63.40 4.02 0.00 | 76.15 4.12 0.00 | 54.72 2.58 0.00 | 46.98 1.79 0.00 | 44.31 1.46 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 27.13 -0.84 0.00 | 27.30 -0.92 0.00 | 34.33 -1.24 0.00 | 28.29 -1.05 0.00 | 26.52 -0.95 0.00 | 31.90 -1.08 0.00 | 26.42 -0.73 0.00 | 27.18 -0.80 0.00 | 29.63 -0.79 0.00 | 37.75 -0.76 0.00 | 48.76 -1.45 0.00 | 34.58 -1.35 0.00 | 32.03 -1.45 0.00 | 25.85 -0.95 0.00 | 26.66 -0.98 0.00 | 25.24 -0.87 0.00 | 28.93 -0.93 0.00 | 34.09 -0.96 0.00 | 43.10 -0.99 0.00 | 58.05 -1.33 0.00 | 70.68 -1.35 0.00 | 50.96 -1.17 0.00 | 44.32 -0.88 0.00 | 41.99 -0.86 0.00 |
| LINDEN COGEN____ 23786 | 29.07 1.10 0.00 | 29.32 1.10 0.00 | 36.84 1.27 0.00 | 30.46 1.13 0.00 | 28.57 1.10 0.00 | 34.40 1.42 0.00 | 28.83 1.68 0.00 | 29.99 2.02 0.00 | 32.62 2.20 0.00 | 41.20 2.69 0.00 | 53.48 3.27 0.00 | 38.38 2.46 0.00 | 36.02 2.54 0.00 | 28.80 2.00 0.00 | 29.67 2.02 0.00 | 27.96 1.85 0.00 | 32.04 2.19 0.00 | 37.57 2.52 0.00 | 47.24 3.14 0.00 | 63.47 4.10 0.00 | 76.22 4.19 0.00 | 54.70 2.57 0.00 | 47.00 1.81 0.00 | 44.33 1.48 0.00 |
| LINDHRST_69_KV_BK1 356055 | 34.12 1.79 -4.37 | 32.96 1.83 -2.91 | 37.61 2.04 0.00 | 31.07 1.73 0.00 | 29.15 1.68 0.00 | 35.68 2.15 -0.55 | 29.09 1.93 0.00 | 30.05 2.08 0.00 | 32.82 2.40 0.00 | 41.66 3.14 0.00 | 54.05 3.83 0.00 | 44.95 3.17 -5.86 | 42.12 3.19 -5.46 | 29.69 2.43 -0.46 | 30.73 2.46 -0.63 | 28.36 2.26 0.00 | 32.23 2.38 0.00 | 37.71 2.66 0.00 | 47.75 3.66 0.00 | 64.13 4.75 0.00 | 77.68 5.36 -0.29 | 55.75 3.62 0.00 | 49.14 2.90 -1.05 | 45.30 2.29 -0.16 |
| LIPA_MISC_IPP 23656 | 30.67 1.43 -1.27 | 30.49 1.42 -0.85 | 37.03 1.46 0.01 | 30.65 1.33 0.01 | 28.79 1.32 0.01 | 34.83 1.70 -0.15 | 28.64 1.49 0.01 | 29.59 1.62 0.00 | 32.38 1.96 0.00 | 41.27 2.76 0.00 | 53.50 3.29 0.00 | 41.59 2.91 -2.75 | 39.61 3.03 -3.10 | 29.35 2.37 -0.18 | 30.21 2.32 -0.24 | 28.23 2.12 0.00 | 32.05 2.20 0.00 | 37.37 2.31 0.00 | 47.36 3.27 0.00 | 63.62 4.24 0.00 | 77.09 4.94 -0.12 | 55.44 3.31 0.01 | 48.23 2.61 -0.43 | 44.85 1.94 -0.06 |
| LISF__SOLAR 323691 | 30.77 1.49 -1.30 | 30.55 1.46 -0.86 | 37.09 1.52 0.01 | 30.70 1.37 0.01 | 28.85 1.38 0.01 | 34.90 1.76 -0.16 | 28.68 1.53 0.01 | 29.62 1.65 0.00 | 32.43 2.02 0.00 | 41.32 2.82 0.00 | 53.57 3.36 0.00 | 41.69 2.98 -2.78 | 39.69 3.08 -3.13 | 29.40 2.41 -0.18 | 30.26 2.37 -0.25 | 28.28 2.17 0.00 | 32.11 2.26 0.00 | 37.44 2.38 0.00 | 47.45 3.36 0.00 | 63.77 4.39 0.00 | 77.27 5.12 -0.12 | 55.56 3.43 0.01 | 48.34 2.71 -0.43 | 44.93 2.02 -0.06 |

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|---------------------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|
| LITTLE FALLS___HYD 24013 | 27.97 0.01 0.00 | 28.24 0.02 0.00 | 35.47 -0.10 0.00 | 29.37 0.04 0.00 | 27.50 0.03 0.00 | 33.03 0.06 0.00 | 27.42 0.26 0.00 | 28.25 0.28 0.00 | 30.55 0.13 0.00 | 38.86 0.35 0.00 | 50.41 0.20 0.00 | 35.41 -0.52 0.00 | 33.28 -0.20 0.00 | 26.30 -0.50 0.00 | 26.91 -0.73 0.00 | 25.53 -0.58 0.00 | 29.59 -0.26 0.00 | 35.36 0.31 0.00 | 44.54 0.44 0.00 | 60.09 0.71 0.00 | 72.01 -0.02 0.00 | 51.63 -0.50 0.00 | 44.22 -0.98 0.00 | 41.67 -1.19 0.00 |
| LITTLRIV_115KV_TB1 356100 | 27.96 -0.01 0.00 | 28.07 -0.15 0.00 | 39.59 -0.14 -4.17 | 31.60 -0.21 -2.47 | 33.88 -0.26 -6.67 | 39.21 -0.16 -6.40 | 34.22 -0.07 -7.13 | 35.10 0.05 -7.08 | 35.43 0.10 -4.92 | 41.60 0.24 -2.85 | 50.74 0.53 0.00 | 36.14 0.21 0.00 | 33.49 0.02 0.00 | 26.87 0.07 0.00 | 27.76 0.11 0.00 | 26.10 0.00 0.00 | 29.66 -0.19 0.00 | 34.63 -0.42 0.00 | 44.34 -0.42 -0.67 | 70.15 -0.45 -11.22 | 74.16 1.03 -1.10 | 53.03 0.90 0.00 | 46.22 1.02 0.00 | 43.83 0.97 0.00 |
| LI_NEWBRDGE___DRP 323616 | 29.57 1.36 -0.25 | 29.80 1.42 -0.16 | 37.10 1.53 0.01 | 30.66 1.33 0.01 | 28.78 1.31 0.01 | 34.70 1.70 -0.02 | 28.77 1.63 0.01 | 29.77 1.80 0.00 | 32.45 2.03 0.00 | 41.16 2.66 0.00 | 53.43 3.22 0.00 | 39.71 2.67 -1.12 | 38.03 2.69 -1.86 | 28.92 2.08 -0.03 | 29.83 2.15 -0.04 | 28.01 1.90 0.00 | 31.90 2.05 0.00 | 37.32 2.26 0.00 | 47.20 3.11 0.00 | 63.36 3.99 0.00 | 76.40 4.34 -0.03 | 54.95 2.82 0.01 | 47.50 2.20 -0.10 | 44.56 1.70 -0.01 |
| LOCKPORT_115KV_TB60_63_64 80432 | 24.51 -2.68 0.78 | 22.35 -2.72 3.15 | 32.47 -3.11 0.00 | 26.43 -2.91 0.00 | 24.82 -2.66 0.00 | 27.96 -3.09 1.93 | 19.21 -2.49 5.45 | 20.38 -2.70 4.90 | 22.28 -2.57 5.56 | 28.10 -3.08 7.33 | 37.15 -4.10 8.95 | 26.36 -2.62 6.94 | 23.75 -2.75 6.97 | 22.99 -2.21 1.60 | 25.67 -1.97 0.00 | 24.16 -1.95 0.00 | 27.18 -2.26 0.42 | 26.02 -2.71 6.33 | 32.11 -3.18 8.80 | 44.64 -4.37 10.36 | 57.77 -5.05 9.21 | 48.19 -3.42 0.53 | 42.77 -2.42 0.00 | 40.98 -1.88 0.00 |
| LOCKPORT___CC1 323769 | 24.33 -2.70 0.94 | 21.71 -2.74 3.77 | 32.44 -3.14 0.00 | 26.39 -2.94 0.00 | 24.79 -2.68 0.00 | 27.59 -3.08 2.31 | 18.14 -2.49 6.53 | 19.44 -2.68 5.85 | 21.20 -2.56 6.65 | 26.67 -3.08 8.77 | 35.41 -4.10 10.71 | 25.01 -2.61 8.30 | 22.47 -2.67 8.34 | 22.67 -2.23 1.91 | 25.64 -2.00 0.00 | 24.11 -2.00 0.00 | 27.06 -2.29 0.50 | 24.78 -2.70 7.57 | 30.37 -3.20 10.52 | 42.56 -4.43 12.39 | 55.89 -5.13 11.01 | 48.03 -3.48 0.63 | 42.70 -2.50 0.00 | 40.89 -1.96 0.00 |
| LOCKPORT___CC2 323770 | 24.33 -2.70 0.94 | 21.71 -2.74 3.77 | 32.44 -3.14 0.00 | 26.39 -2.94 0.00 | 24.79 -2.68 0.00 | 27.59 -3.08 2.31 | 18.14 -2.49 6.53 | 19.44 -2.68 5.85 | 21.20 -2.56 6.65 | 26.67 -3.08 8.77 | 35.41 -4.10 10.71 | 25.01 -2.61 8.30 | 22.47 -2.67 8.34 | 22.67 -2.23 1.91 | 25.64 -2.00 0.00 | 24.11 -2.00 0.00 | 27.06 -2.29 0.50 | 24.78 -2.70 7.57 | 30.37 -3.20 10.52 | 42.56 -4.43 12.39 | 55.89 -5.13 11.01 | 48.03 -3.48 0.63 | 42.70 -2.50 0.00 | 40.89 -1.96 0.00 |
| LOCKPORT___CC3 323771 | 24.33 -2.70 0.94 | 21.71 -2.74 3.77 | 32.44 -3.14 0.00 | 26.39 -2.94 0.00 | 24.79 -2.68 0.00 | 27.59 -3.08 2.31 | 18.14 -2.49 6.53 | 19.44 -2.68 5.85 | 21.20 -2.56 6.65 | 26.67 -3.08 8.77 | 35.41 -4.10 10.71 | 25.01 -2.61 8.30 | 22.47 -2.67 8.34 | 22.67 -2.23 1.91 | 25.64 -2.00 0.00 | 24.11 -2.00 0.00 | 27.06 -2.29 0.50 | 24.78 -2.70 7.57 | 30.37 -3.20 10.52 | 42.56 -4.43 12.39 | 55.89 -5.13 11.01 | 48.03 -3.48 0.63 | 42.70 -2.50 0.00 | 40.89 -1.96 0.00 |
| LONG_LAKE_PHOENIX 24014 | 27.35 -0.62 0.00 | 27.57 -0.65 0.00 | 34.78 -0.79 0.00 | 28.66 -0.68 0.00 | 26.86 -0.62 0.00 | 32.24 -0.74 0.00 | 26.62 -0.53 0.00 | 27.37 -0.60 0.00 | 29.76 -0.66 0.00 | 37.63 -0.88 0.00 | 48.94 -1.28 0.00 | 34.92 -1.01 0.00 | 32.57 -0.91 0.00 | 26.14 -0.66 0.00 | 26.92 -0.72 0.00 | 25.45 -0.66 0.00 | 29.17 -0.68 0.00 | 34.31 -0.74 0.00 | 43.26 -0.83 0.00 | 58.25 -1.13 0.00 | 70.51 -1.52 0.00 | 51.04 -1.09 0.00 | 44.31 -0.89 0.00 | 42.08 -0.78 0.00 |
| LOVETT___3 23632 | 28.91 0.94 0.00 | 29.17 0.95 0.00 | 36.67 1.10 0.00 | 30.31 0.98 0.00 | 28.43 0.96 0.00 | 34.21 1.24 0.00 | 28.64 1.48 0.00 | 29.75 1.77 0.00 | 32.31 1.89 0.00 | 40.86 2.35 0.00 | 53.07 2.86 0.00 | 38.05 2.13 0.00 | 35.66 2.18 0.00 | 28.50 1.70 0.00 | 29.34 1.70 0.00 | 27.69 1.59 0.00 | 31.75 1.90 0.00 | 37.26 2.21 0.00 | 46.88 2.79 0.00 | 63.04 3.66 0.00 | 75.71 3.68 0.00 | 54.42 2.28 0.00 | 46.75 1.55 0.00 | 44.08 1.23 0.00 |
| LOVETT___4 23642 | 28.91 0.94 0.00 | 29.17 0.95 0.00 | 36.67 1.10 0.00 | 30.31 0.98 0.00 | 28.43 0.96 0.00 | 34.21 1.24 0.00 | 28.64 1.48 0.00 | 29.75 1.77 0.00 | 32.31 1.89 0.00 | 40.86 2.35 0.00 | 53.07 2.86 0.00 | 38.05 2.13 0.00 | 35.66 2.18 0.00 | 28.50 1.70 0.00 | 29.34 1.70 0.00 | 27.69 1.59 0.00 | 31.75 1.90 0.00 | 37.26 2.21 0.00 | 46.88 2.79 0.00 | 63.04 3.66 0.00 | 75.71 3.68 0.00 | 54.42 2.28 0.00 | 46.75 1.55 0.00 | 44.08 1.23 0.00 |
| LOVETT___5 23593 | 28.91 0.94 0.00 | 29.17 0.95 0.00 | 36.67 1.10 0.00 | 30.31 0.98 0.00 | 28.43 0.96 0.00 | 34.21 1.24 0.00 | 28.64 1.48 0.00 | 29.75 1.77 0.00 | 32.31 1.89 0.00 | 40.86 2.35 0.00 | 53.07 2.86 0.00 | 38.05 2.13 0.00 | 35.66 2.18 0.00 | 28.50 1.70 0.00 | 29.34 1.70 0.00 | 27.69 1.59 0.00 | 31.75 1.90 0.00 | 37.26 2.21 0.00 | 46.88 2.79 0.00 | 63.04 3.66 0.00 | 75.71 3.68 0.00 | 54.42 2.28 0.00 | 46.75 1.55 0.00 | 44.08 1.23 0.00 |
| LOWER RAQUET___HYD 24057 | 27.34 -0.63 0.00 | 27.45 -0.77 0.00 | 39.16 -0.93 -4.52 | 31.16 -0.86 -2.68 | 33.83 -0.88 -7.24 | 38.97 -0.95 -6.94 | 34.15 -0.74 -7.74 | 35.02 -0.64 -7.68 | 35.10 -0.65 -5.33 | 40.93 -0.68 -3.10 | 49.59 -0.62 0.00 | 35.36 -0.57 0.00 | 32.73 -0.74 0.00 | 26.25 -0.55 0.00 | 27.09 -0.55 0.00 | 25.49 -0.62 0.00 | 28.95 -0.90 0.00 | 33.84 -1.21 0.00 | 43.35 -1.47 -0.73 | 69.77 -1.85 -12.25 | 72.57 -0.66 -1.20 | 51.82 -0.32 0.00 | 45.18 -0.02 0.00 | 42.82 -0.04 0.00 |
| LOWER___HUDSON 24059 | 28.82 0.86 0.00 | 29.10 0.88 0.00 | 36.58 1.01 0.00 | 30.23 0.90 0.00 | 28.35 0.88 0.00 | 34.08 1.10 0.00 | 28.45 1.30 0.00 | 29.38 1.41 0.00 | 31.80 1.38 0.00 | 40.25 1.74 0.00 | 52.33 2.12 0.00 | 37.28 1.35 0.00 | 34.78 1.30 0.00 | 27.83 1.04 0.00 | 28.68 1.03 0.00 | 27.03 0.92 0.00 | 31.03 1.18 0.00 | 36.57 1.52 0.00 | 46.03 1.94 0.00 | 62.05 2.67 0.00 | 74.59 2.56 0.00 | 53.70 1.57 0.00 | 46.12 0.93 0.00 | 43.56 0.71 0.00 |
| LOWVILLE_115KV_TB2 356335 | 27.13 -0.84 0.00 | 27.18 -1.04 0.00 | 35.35 -1.53 -1.31 | 28.81 -1.30 -0.78 | 28.38 -1.19 -2.09 | 33.73 -1.26 -2.01 | 28.61 -0.79 -2.25 | 29.39 -0.81 -2.23 | 31.27 -0.70 -1.55 | 39.14 -0.27 -0.90 | 49.23 -0.98 0.00 | 34.64 -1.28 0.00 | 31.93 -1.55 0.00 | 25.65 -1.15 0.00 | 26.42 -1.22 0.00 | 24.96 -1.15 0.00 | 28.67 -1.18 0.00 | 33.88 -1.17 0.00 | 43.33 -0.97 -0.21 | 61.85 -1.08 -3.55 | 72.45 0.07 -0.35 | 51.69 -0.45 0.00 | 45.04 -0.15 0.00 | 42.50 -0.36 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 29.18 1.21 0.00 | 29.44 1.23 0.00 | 37.05 1.48 0.00 | 30.60 1.26 0.00 | 28.65 1.18 0.00 | 34.41 1.43 0.00 | 28.89 1.73 0.00 | 29.96 1.99 0.00 | 32.22 1.81 0.00 | 40.84 2.33 0.00 | 53.08 2.87 0.00 | 37.83 1.91 0.00 | 35.13 1.65 0.00 | 28.04 1.23 0.00 | 28.82 1.18 0.00 | 27.22 1.11 0.00 | 31.28 1.43 0.00 | 37.11 2.06 0.00 | 46.75 2.66 0.00 | 63.02 3.65 0.00 | 75.82 3.79 0.00 | 54.53 2.39 0.00 | 46.77 1.58 0.00 | 44.14 1.29 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 29.19 1.22 0.00 | 29.49 1.27 0.00 | 37.06 1.49 0.00 | 30.63 1.30 0.00 | 28.66 1.19 0.00 | 34.41 1.44 0.00 | 28.93 1.78 0.00 | 29.97 1.99 0.00 | 32.23 1.81 0.00 | 40.86 2.35 0.00 | 53.13 2.92 0.00 | 37.84 1.92 0.00 | 35.13 1.65 0.00 | 28.03 1.23 0.00 | 28.83 1.19 0.00 | 27.23 1.12 0.00 | 31.29 1.44 0.00 | 37.16 2.10 0.00 | 46.76 2.67 0.00 | 63.07 3.70 0.00 | 75.95 3.92 0.00 | 54.54 2.40 0.00 | 46.80 1.61 0.00 | 44.16 1.30 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 26.96 -1.01 0.00 | 27.02 -1.20 0.00 | 37.05 -1.60 -3.08 | 29.77 -1.39 -1.83 | 31.07 -1.32 -4.92 | 36.26 -1.44 -4.72 | 31.38 -1.04 -5.27 | 32.20 -1.00 -5.23 | 33.07 -0.98 -3.63 | 39.78 -0.84 -2.11 | 48.88 -1.33 0.00 | 34.58 -1.35 0.00 | 31.90 -1.58 0.00 | 25.63 -1.17 0.00 | 26.46 -1.19 0.00 | 24.95 -1.16 0.00 | 28.50 -1.35 0.00 | 33.49 -1.56 0.00 | 42.88 -1.71 -0.50 | 65.59 -2.12 -8.34 | 71.72 -1.13 -0.81 | 51.12 -1.02 0.00 | 44.57 -0.63 0.00 | 42.15 -0.71 0.00 |
| LYONS_FALL_HYD 23570 | 27.62 -0.35 0.00 | 27.73 -0.49 0.00 | 35.69 -0.76 -0.88 | 29.21 -0.65 -0.52 | 28.30 -0.58 -1.41 | 33.76 -0.57 -1.36 | 28.42 -0.25 -1.51 | 29.22 -0.25 -1.50 | 31.33 -0.13 -1.04 | 39.34 0.22 -0.60 | 50.02 -0.19 0.00 | 35.36 -0.56 0.00 | 32.75 -0.73 0.00 | 26.25 -0.54 0.00 | 27.06 -0.58 0.00 | 25.56 -0.54 0.00 | 29.37 -0.48 0.00 | 34.68 -0.37 0.00 | 44.12 -0.11 -0.14 | 61.73 -0.04 -2.39 | 73.01 0.74 -0.23 | 52.29 0.16 0.00 | 45.42 0.22 0.00 | 42.91 0.05 0.00 |
| MADISON___COUNTY_LFGE 323628 | 28.24 0.27 0.00 | 28.47 0.24 0.00 | 35.84 0.26 0.00 | 29.54 0.21 0.00 | 27.70 0.22 0.00 | 33.33 0.35 0.00 | 27.66 0.51 0.00 | 28.50 0.53 0.00 | 31.08 0.66 0.00 | 39.40 0.89 0.00 | 51.02 0.82 0.00 | 36.32 0.40 0.00 | 33.80 0.32 0.00 | 27.00 0.20 0.00 | 27.86 0.21 0.00 | 26.34 0.23 0.00 | 30.29 0.44 0.00 | 35.78 0.73 0.00 | 45.22 1.13 0.00 | 60.87 1.50 0.00 | 73.76 1.73 0.00 | 53.15 1.02 0.00 | 46.00 0.80 0.00 | 43.57 0.71 0.00 |
| MALONE___115KV_TB1 356076 | 27.58 -0.38 0.00 | 27.72 -0.50 0.00 | 54.25 -0.66 -19.34 | 40.20 -0.61 -11.48 | 57.76 -0.69 -30.97 | 61.90 -0.88 -29.80 | 59.79 -0.59 -33.22 | 60.52 -0.43 -32.98 | 52.88 -0.44 -22.90 | 51.46 -0.34 -13.29 | 50.80 0.59 0.00 | 36.25 0.33 0.00 | 33.46 -0.02 0.00 | 26.78 -0.02 0.00 | 27.69 0.04 0.00 | 26.04 -0.07 0.00 | 29.50 -0.35 0.00 | 34.45 -0.60 0.00 | 46.55 -0.82 -3.27 | 112.98 -1.05 -54.65 | 77.20 0.03 -5.14 | 52.53 0.39 0.00 | 45.87 0.67 0.00 | 43.44 0.59 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 28.77 0.80 0.00 | 29.02 0.80 0.00 | 36.51 0.93 0.00 | 30.17 0.84 0.00 | 28.30 0.83 0.00 | 34.00 1.02 0.00 | 28.36 1.21 0.00 | 29.02 1.05 0.00 | 31.34 0.93 0.00 | 39.69 1.17 0.00 | 51.61 1.40 0.00 | 36.82 0.89 0.00 | 34.41 0.93 0.00 | 27.51 0.70 0.00 | 28.41 0.76 0.00 | 26.97 0.87 0.00 | 31.04 1.19 0.00 | 36.50 1.45 0.00 | 45.87 1.78 0.00 | 61.80 2.42 0.00 | 74.31 2.27 0.00 | 53.53 1.39 0.00 | 46.00 0.81 0.00 | 43.46 0.61 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 27.27 -0.70 0.00 | 27.46 -0.76 0.00 | 34.66 -0.91 0.00 | 28.56 -0.78 0.00 | 26.70 -0.77 0.00 | 31.95 -1.03 0.00 | 26.29 -0.87 0.00 | 27.13 -0.84 0.00 | 29.69 -0.73 0.00 | 37.78 -0.73 0.00 | 49.27 -0.95 0.00 | 35.12 -0.80 0.00 | 32.77 -0.71 0.00 | 26.19 -0.61 0.00 | 27.00 -0.64 0.00 | 25.47 -0.64 0.00 | 28.91 -0.95 0.00 | 33.93 -1.13 0.00 | 42.77 -1.32 0.00 | 57.92 -1.46 0.00 | 71.01 -1.02 0.00 | 51.67 -0.47 0.00 | 44.91 -0.29 0.00 | 42.53 -0.33 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 27.27 -0.70 0.00 | 27.46 -0.76 0.00 | 34.66 -0.91 0.00 | 28.56 -0.78 0.00 | 26.70 -0.77 0.00 | 31.95 -1.03 0.00 | 26.29 -0.87 0.00 | 27.13 -0.84 0.00 | 29.69 -0.73 0.00 | 37.78 -0.73 0.00 | 49.27 -0.95 0.00 | 35.12 -0.80 0.00 | 32.77 -0.71 0.00 | 26.19 -0.61 0.00 | 27.00 -0.64 0.00 | 25.47 -0.64 0.00 | 28.91 -0.95 0.00 | 33.93 -1.13 0.00 | 42.77 -1.32 0.00 | 57.92 -1.46 0.00 | 71.01 -1.02 0.00 | 51.67 -0.47 0.00 | 44.91 -0.29 0.00 | 42.53 -0.33 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 27.32 -0.64 0.00 | 27.50 -0.72 0.00 | 7.37 -0.95 27.25 | 12.30 -0.86 16.18 | -17.11 -0.93 43.65 | -48.08 -1.27 79.79 | -21.00 -0.90 47.25 | -21.00 -0.78 48.19 | -3.87 -0.82 33.47 | 18.16 -0.93 19.42 | 50.15 -0.06 0.00 | 35.92 0.00 0.00 | 33.18 -0.30 0.00 | 26.59 -0.21 0.00 | 27.42 -0.22 0.00 | 25.78 -0.33 0.00 | 29.17 -0.68 0.00 | 34.02 -1.04 0.00 | 37.96 -1.43 4.70 | -21.00 -1.93 78.45 | 63.59 -1.15 7.29 | 51.76 -0.37 0.00 | 45.30 0.10 0.00 | 42.90 0.04 0.00 |
| MARSHVLE_115KV_TB1 80742 | 28.96 0.99 0.00 | 29.19 0.97 0.00 | 36.89 1.32 0.00 | 30.41 1.07 0.00 | 28.45 0.97 0.00 | 34.14 1.17 0.00 | 28.45 1.30 0.00 | 29.35 1.38 0.00 | 31.89 1.47 0.00 | 40.56 2.05 0.00 | 52.63 2.42 0.00 | 37.32 1.40 0.00 | 34.69 1.21 0.00 | 27.51 0.72 0.00 | 28.18 0.53 0.00 | 26.78 0.67 0.00 | 30.75 0.90 0.00 | 36.52 1.47 0.00 | 45.97 1.87 0.00 | 62.11 2.74 0.00 | 75.68 3.65 0.00 | 54.87 2.73 0.00 | 47.65 2.46 0.00 | 45.12 2.27 0.00 |
| MARSH_HILL_WT_PWR 323713 | 28.03 -3.16 -3.22 | 38.14 -3.03 -12.96 | 31.81 -3.76 0.00 | 26.11 -3.22 0.00 | 24.64 -2.83 0.00 | 37.43 -3.49 -7.94 | 46.92 -2.66 -22.43 | 45.28 -2.72 -20.02 | 50.31 -2.89 -22.78 | 64.73 -3.79 -30.01 | 81.86 -5.00 -36.66 | 60.63 -3.72 -28.43 | 58.37 -3.66 -28.55 | 30.27 -3.06 -6.53 | 24.95 -2.69 0.00 | 23.33 -2.78 0.00 | 28.87 -2.68 -1.70 | 57.80 -3.13 -25.88 | 77.04 -3.04 -35.99 | 96.64 -5.11 -42.37 | 103.67 -6.02 -37.66 | 49.76 -4.54 -2.16 | 41.59 -3.61 0.00 | 39.86 -3.00 0.00 |
| MCINTYRE_115KV_TB2 80467 | 28.38 0.41 0.00 | 28.50 0.28 0.00 | 39.59 0.42 -3.60 | 31.72 0.25 -2.14 | 33.41 0.18 -5.76 | 38.86 0.36 -5.52 | 33.66 0.35 -6.15 | 34.57 0.49 -6.11 | 35.23 0.58 -4.24 | 41.76 0.79 -2.46 | 51.45 1.23 0.00 | 36.65 0.73 0.00 | 33.99 0.51 0.00 | 27.28 0.48 0.00 | 28.15 0.51 0.00 | 26.51 0.40 0.00 | 30.11 0.26 0.00 | 35.10 0.05 0.00 | 44.89 0.23 -0.57 | 69.37 0.43 -9.57 | 75.03 2.05 -0.95 | 53.82 1.68 0.00 | 46.88 1.68 0.00 | 44.45 1.59 0.00 |
| MECO_____69_KV_BK1 80468 | 29.38 1.41 0.00 | 29.61 1.39 0.00 | 37.37 1.80 0.00 | 30.80 1.47 0.00 | 28.87 1.40 0.00 | 34.72 1.75 0.00 | 28.96 1.80 0.00 | 29.85 1.88 0.00 | 32.34 1.92 0.00 | 41.10 2.59 0.00 | 53.35 3.14 0.00 | 37.57 1.65 0.00 | 34.80 1.32 0.00 | 27.39 0.59 0.00 | 28.07 0.42 0.00 | 26.79 0.68 0.00 | 30.93 1.08 0.00 | 37.13 2.08 0.00 | 46.75 2.66 0.00 | 63.35 3.98 0.00 | 76.83 4.80 0.00 | 55.50 3.37 0.00 | 47.96 2.77 0.00 | 45.34 2.48 0.00 |
| MENANDS___115KV_TB5 355628 | 28.66 0.69 0.00 | 28.91 0.70 0.00 | 36.37 0.79 0.00 | 30.06 0.72 0.00 | 28.20 0.73 0.00 | 33.88 0.90 0.00 | 28.26 1.11 0.00 | 28.90 0.93 0.00 | 31.18 0.77 0.00 | 39.46 0.95 0.00 | 51.34 1.12 0.00 | 36.62 0.70 0.00 | 34.26 0.77 0.00 | 27.40 0.60 0.00 | 28.33 0.68 0.00 | 26.89 0.78 0.00 | 30.94 1.09 0.00 | 36.35 1.30 0.00 | 45.65 1.56 0.00 | 61.48 2.11 0.00 | 73.89 1.86 0.00 | 53.23 1.09 0.00 | 45.74 0.54 0.00 | 43.24 0.38 0.00 |
| MG INDUSTRY___DRP 24185 | 28.66 0.69 0.00 | 28.94 0.72 0.00 | 36.43 0.86 0.00 | 30.11 0.78 0.00 | 28.25 0.78 0.00 | 33.91 0.93 0.00 | 28.29 1.13 0.00 | 28.97 0.99 0.00 | 31.27 0.86 0.00 | 39.50 0.99 0.00 | 51.33 1.12 0.00 | 36.59 0.67 0.00 | 34.21 0.73 0.00 | 27.31 0.51 0.00 | 28.17 0.52 0.00 | 26.72 0.61 0.00 | 30.81 0.96 0.00 | 36.32 1.27 0.00 | 45.63 1.53 0.00 | 61.51 2.14 0.00 | 74.01 1.98 0.00 | 53.34 1.20 0.00 | 45.92 0.73 0.00 | 43.43 0.57 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 26.96 -1.01 0.00 | 27.02 -1.20 0.00 | 37.05 -1.60 -3.08 | 29.77 -1.39 -1.83 | 31.07 -1.32 -4.92 | 36.26 -1.44 -4.72 | 31.38 -1.04 -5.27 | 32.20 -1.00 -5.23 | 33.07 -0.98 -3.63 | 39.78 -0.84 -2.11 | 48.88 -1.33 0.00 | 34.58 -1.35 0.00 | 31.90 -1.58 0.00 | 25.63 -1.17 0.00 | 26.46 -1.19 0.00 | 24.95 -1.16 0.00 | 28.50 -1.35 0.00 | 33.49 -1.56 0.00 | 42.88 -1.71 -0.50 | 65.59 -2.12 -8.34 | 71.72 -1.13 -0.81 | 51.12 -1.02 0.00 | 44.57 -0.63 0.00 | 42.15 -0.71 0.00 |
| MID___RAQUETTE_HYD 23851 | 27.34 -0.63 0.00 | 27.45 -0.77 0.00 | 39.16 -0.93 -4.52 | 31.15 -0.86 -2.68 | 33.83 -0.87 -7.24 | 38.98 -0.94 -6.94 | 34.15 -0.74 -7.74 | 35.02 -0.64 -7.68 | 35.10 -0.65 -5.33 | 40.93 -0.67 -3.10 | 49.59 -0.62 0.00 | 35.36 -0.56 0.00 | 32.74 -0.73 0.00 | 26.26 -0.54 0.00 | 27.09 -0.55 0.00 | 25.49 -0.62 0.00 | 28.95 -0.90 0.00 | 33.84 -1.21 0.00 | 43.35 -1.47 -0.73 | 69.77 -1.85 -12.25 | 72.57 -0.66 -1.20 | 51.82 -0.32 0.00 | 45.18 -0.02 0.00 | 42.82 -0.04 0.00 |
| MILLIKEN___1 23584 | 28.08 -0.14 -0.24 | 29.05 -0.13 -0.96 | 35.44 -0.14 0.00 | 29.16 -0.18 0.00 | 27.34 -0.13 0.00 | 33.51 -0.06 -0.59 | 29.01 0.18 -1.68 | 29.63 0.16 -1.50 | 32.32 0.19 -1.71 | 40.99 0.23 -2.25 | 53.03 0.07 -2.75 | 38.15 0.09 -2.13 | 35.59 -0.03 -2.14 | 27.15 -0.15 -0.49 | 27.44 -0.20 0.00 | 25.95 -0.16 0.00 | 30.00 0.02 -0.13 | 37.20 0.21 -1.94 | 47.27 0.48 -2.69 | 63.24 0.69 -3.17 | 75.59 0.74 -2.82 | 52.70 0.40 -0.16 | 45.45 0.26 0.00 | 43.12 0.26 0.00 |
| MILLIKEN___2 23585 | 28.08 -0.14 -0.24 | 29.05 -0.13 -0.96 | 35.44 -0.14 0.00 | 29.16 -0.18 0.00 | 27.34 -0.13 0.00 | 33.51 -0.06 -0.59 | 29.01 0.18 -1.68 | 29.63 0.16 -1.50 | 32.32 0.19 -1.71 | 40.99 0.23 -2.25 | 53.03 0.07 -2.75 | 38.15 0.09 -2.13 | 35.59 -0.03 -2.14 | 27.15 -0.15 -0.49 | 27.44 -0.20 0.00 | 25.95 -0.16 0.00 | 30.00 0.02 -0.13 | 37.20 0.21 -1.94 | 47.27 0.48 -2.69 | 63.24 0.69 -3.17 | 75.59 0.74 -2.82 | 52.70 0.40 -0.16 | 45.45 0.26 0.00 | 43.12 0.26 0.00 |
| MILLIKEN___DIESEL 23629 | 28.08 -0.14 -0.24 | 29.05 -0.13 -0.96 | 35.44 -0.14 0.00 | 29.16 -0.18 0.00 | 27.34 -0.13 0.00 | 33.51 -0.06 -0.59 | 29.01 0.18 -1.68 | 29.63 0.16 -1.50 | 32.32 0.19 -1.71 | 40.99 0.23 -2.25 | 53.03 0.07 -2.75 | 38.15 0.09 -2.13 | 35.59 -0.03 -2.14 | 27.15 -0.15 -0.49 | 27.44 -0.20 0.00 | 25.95 -0.16 0.00 | 30.00 0.02 -0.13 | 37.20 0.21 -1.94 | 47.27 0.48 -2.69 | 63.24 0.69 -3.17 | 75.59 0.74 -2.82 | 52.70 0.40 -0.16 | 45.45 0.26 0.00 | 43.12 0.26 0.00 |
| MILLSEAT___LFGE 323607 | 25.32 -2.02 0.63 | 23.62 -2.06 2.54 | 33.25 -2.33 0.00 | 27.09 -2.25 0.00 | 25.45 -2.03 0.00 | 29.19 -2.23 1.56 | 21.06 -1.70 4.39 | 22.19 -1.83 3.95 | 24.27 -1.67 4.49 | 30.61 -1.99 5.91 | 40.24 -2.75 7.22 | 28.71 -1.62 5.60 | 25.92 -1.94 5.62 | 23.97 -1.55 1.29 | 26.33 -1.31 0.00 | 24.77 -1.34 0.00 | 28.05 -1.46 0.34 | 28.31 -1.64 5.10 | 35.14 -1.86 7.09 | 48.48 -2.54 8.35 | 61.69 -2.92 7.42 | 49.74 -1.97 0.42 | 43.90 -1.30 0.00 | 41.92 -0.93 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 29.02 1.05 0.00 | 29.28 1.06 0.00 | 36.80 1.23 0.00 | 30.42 1.09 0.00 | 28.54 1.07 0.00 | 34.34 1.36 0.00 | 28.75 1.60 0.00 | 29.86 1.89 0.00 | 32.44 2.03 0.00 | 41.03 2.52 0.00 | 53.29 3.08 0.00 | 38.21 2.29 0.00 | 35.81 2.34 0.00 | 28.61 1.81 0.00 | 29.47 1.83 0.00 | 27.79 1.68 0.00 | 31.86 2.01 0.00 | 37.39 2.34 0.00 | 47.05 2.96 0.00 | 63.27 3.90 0.00 | 76.02 3.99 0.00 | 54.61 2.47 0.00 | 46.92 1.72 0.00 | 44.25 1.39 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 29.04 1.08 0.00 | 29.31 1.09 0.00 | 36.84 1.27 0.00 | 30.45 1.12 0.00 | 28.57 1.10 0.00 | 34.38 1.40 0.00 | 28.78 1.63 0.00 | 29.91 1.93 0.00 | 32.49 2.07 0.00 | 41.09 2.58 0.00 | 53.37 3.16 0.00 | 38.27 2.34 0.00 | 35.86 2.38 0.00 | 28.64 1.84 0.00 | 29.49 1.85 0.00 | 27.82 1.71 0.00 | 31.89 2.05 0.00 | 37.43 2.38 0.00 | 47.12 3.03 0.00 | 63.36 3.98 0.00 | 76.13 4.10 0.00 | 54.69 2.55 0.00 | 46.98 1.78 0.00 | 44.29 1.44 0.00 |
| MODEL_CITY_ENERGY 24167 | 24.33 -2.90 0.75 | 22.25 -2.94 3.02 | 32.18 -3.39 0.00 | 26.20 -3.14 0.00 | 24.61 -2.86 0.00 | 27.80 -3.33 1.85 | 19.21 -2.72 5.22 | 20.35 -2.94 4.69 | 22.26 -2.83 5.33 | 28.07 -3.42 7.02 | 37.12 -4.52 8.57 | 26.38 -2.89 6.65 | 23.86 -2.94 6.68 | 22.85 -2.42 1.53 | 25.44 -2.21 0.00 | 23.93 -2.19 0.00 | 26.92 -2.53 0.40 | 25.98 -3.01 6.06 | 32.04 -3.62 8.43 | 44.48 -4.97 9.92 | 57.41 -5.80 8.82 | 47.71 -3.93 0.50 | 42.37 -2.83 0.00 | 40.65 -2.20 0.00 |
| MODERN_LFGE___ 323580 | 24.33 -2.90 0.75 | 22.25 -2.94 3.02 | 32.18 -3.39 0.00 | 26.20 -3.14 0.00 | 24.61 -2.86 0.00 | 27.80 -3.33 1.85 | 19.21 -2.72 5.22 | 20.35 -2.94 4.69 | 22.26 -2.83 5.33 | 28.07 -3.42 7.02 | 37.12 -4.52 8.57 | 26.38 -2.89 6.65 | 23.86 -2.94 6.68 | 22.85 -2.42 1.53 | 25.44 -2.21 0.00 | 23.93 -2.19 0.00 | 26.92 -2.53 0.40 | 25.98 -3.01 6.06 | 32.04 -3.62 8.43 | 44.48 -4.97 9.92 | 57.41 -5.80 8.82 | 47.71 -3.93 0.50 | 42.37 -2.83 0.00 | 40.65 -2.20 0.00 |
| MOHAWK_PAPER___DRP 24187 | 28.77 0.80 0.00 | 29.02 0.80 0.00 | 36.51 0.93 0.00 | 30.17 0.84 0.00 | 28.30 0.83 0.00 | 34.00 1.02 0.00 | 28.36 1.21 0.00 | 29.02 1.05 0.00 | 31.34 0.93 0.00 | 39.69 1.17 0.00 | 51.61 1.40 0.00 | 36.82 0.89 0.00 | 34.41 0.93 0.00 | 27.51 0.70 0.00 | 28.41 0.76 0.00 | 26.97 0.87 0.00 | 31.04 1.19 0.00 | 36.50 1.45 0.00 | 45.87 1.78 0.00 | 61.80 2.42 0.00 | 74.31 2.27 0.00 | 53.53 1.39 0.00 | 46.00 0.81 0.00 | 43.46 0.61 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 29.38 1.41 0.00 | 29.63 1.41 0.00 | 37.33 1.75 0.00 | 30.77 1.44 0.00 | 28.78 1.31 0.00 | 34.48 1.50 0.00 | 28.60 1.45 0.00 | 29.52 1.55 0.00 | 32.17 1.76 0.00 | 40.79 2.28 0.00 | 52.96 2.75 0.00 | 37.51 1.59 0.00 | 34.98 1.50 0.00 | 27.88 1.08 0.00 | 28.61 0.96 0.00 | 26.96 0.84 0.00 | 31.03 1.18 0.00 | 36.95 1.90 0.00 | 46.64 2.55 0.00 | 62.91 3.54 0.00 | 75.60 3.57 0.00 | 54.37 2.24 0.00 | 46.52 1.32 0.00 | 43.85 0.99 0.00 |
| MONGAUP___HYD 23641 | 29.19 1.23 0.00 | 29.45 1.23 0.00 | 37.01 1.44 0.00 | 30.58 1.24 0.00 | 28.69 1.22 0.00 | 34.54 1.56 0.00 | 28.89 1.74 0.00 | 29.69 1.72 0.00 | 32.00 1.58 0.00 | 40.72 2.21 0.00 | 53.08 2.87 0.00 | 38.00 2.07 0.00 | 35.16 1.68 0.00 | 28.02 1.22 0.00 | 28.84 1.19 0.00 | 27.08 0.97 0.00 | 31.23 1.38 0.00 | 36.90 1.85 0.00 | 46.54 2.45 0.00 | 62.89 3.51 0.00 | 75.78 3.75 0.00 | 54.80 2.66 0.00 | 47.09 1.90 0.00 | 44.39 1.54 0.00 |
| MONTAUK___DIESEL 23721 | 30.48 1.23 -1.28 | 29.72 0.65 -0.85 | 35.90 0.33 0.01 | 29.75 0.42 0.01 | 27.94 0.47 0.01 | 33.85 0.71 -0.15 | 27.87 0.72 0.01 | 28.89 0.92 0.00 | 31.56 1.15 0.00 | 40.37 1.86 0.00 | 52.17 1.96 0.00 | 40.65 1.96 -2.77 | 39.50 2.91 -3.11 | 29.68 2.70 -0.18 | 30.12 2.23 -0.25 | 27.94 1.83 0.00 | 31.82 1.98 0.00 | 36.82 1.77 0.00 | 46.25 2.16 0.00 | 62.40 3.02 0.00 | 77.71 5.56 -0.12 | 55.83 3.70 0.01 | 48.26 2.63 -0.43 | 44.81 1.90 -0.06 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 24.38 -3.32 0.27 | 24.34 -2.79 1.09 | 32.50 -3.07 0.00 | 26.18 -3.15 0.00 | 24.31 -3.16 0.00 | 28.89 -3.42 0.67 | 22.90 -2.37 1.89 | 23.91 -2.38 1.68 | 26.44 -2.07 1.90 | 33.10 -2.90 2.51 | 43.24 -3.91 3.06 | 30.79 -2.76 2.37 | 28.55 -2.54 2.38 | 24.19 -2.06 0.55 | 25.79 -1.85 0.00 | 24.32 -1.79 0.00 | 27.99 -1.72 0.14 | 31.46 -1.42 2.17 | 39.75 -1.33 3.02 | 53.62 -2.21 3.55 | 66.34 -2.54 3.16 | 50.04 -1.91 0.18 | 43.87 -1.33 0.00 | 41.63 -1.23 0.00 |

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|--|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------------------|------------------------|------------------------|------------------------|
| MORRIS_RIDGE___SOLAR 323848 | 18.53 -2.84 6.60 | -1.18 -2.83 26.57 | 32.29 -3.29 0.00 | 26.42 -2.91 0.00 | 24.83 -2.65 0.00 | 13.56 -3.13 16.29 | -21.17 -2.36 45.97 | -15.42 -2.41 40.98 | -18.63 -2.44 46.61 | -26.09 -3.20 61.40 | -29.08 -4.29 75.01 | -25.33 -3.09 58.17 | -27.87 -2.92 58.43 | 10.83 -2.61 13.36 | 25.27 -2.37 0.00 | 23.68 -2.43 0.00 | 23.85 -2.51 3.49 | -20.69 -2.77 52.97 | -32.55 -2.97 73.67 | -31.86 -4.49 86.75 | -10.39 -5.33 77.10 | 43.84 -3.88 4.42 | 42.12 -3.07 0.00 | 40.23 -2.62 0.00 |
| MORTIMER_115KV_TB3 55949 | 26.62 -1.35 0.00 | 26.87 -1.35 0.00 | 34.01 -1.56 0.00 | 27.82 -1.51 0.00 | 26.11 -1.37 0.00 | 31.48 -1.50 0.00 | 26.05 -1.11 0.00 | 26.75 -1.22 0.00 | 29.30 -1.11 0.00 | 37.18 -1.34 0.00 | 48.36 -1.85 0.00 | 34.81 -1.11 0.00 | 32.20 -1.28 0.00 | 25.77 -1.03 0.00 | 26.78 -0.86 0.00 | 25.25 -0.86 0.00 | 28.88 -0.97 0.00 | 33.96 -1.10 0.00 | 42.88 -1.22 0.00 | 57.69 -1.68 0.00 | 70.05 -1.98 0.00 | 50.77 -1.36 0.00 | 44.25 -0.95 0.00 | 42.08 -0.78 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 29.22 1.25 0.00 | 29.48 1.26 0.00 | 37.05 1.48 0.00 | 30.62 1.29 0.00 | 28.72 1.25 0.00 | 34.59 1.61 0.00 | 28.98 1.83 0.00 | 30.13 2.16 0.00 | 32.77 2.35 0.00 | 41.42 2.91 0.00 | 53.77 3.56 0.00 | 38.59 2.67 0.00 | 36.19 2.72 0.00 | 28.92 2.11 0.00 | 29.80 2.15 0.00 | 28.08 1.97 0.00 | 32.17 2.32 0.00 | 37.71 2.66 0.00 | 47.46 3.37 0.00 | 63.80 4.43 0.00 | 76.63 4.60 0.00 | 55.03 2.90 0.00 | 47.28 2.09 0.00 | 44.56 1.71 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 27.65 -0.49 -0.18 | 28.34 -0.59 -0.72 | 34.84 -0.73 0.00 | 28.72 -0.61 0.00 | 26.91 -0.56 0.00 | 33.01 -0.41 -0.44 | 28.59 0.19 -1.25 | 29.42 0.33 -1.12 | 32.15 0.46 -1.27 | 40.81 0.63 -1.67 | 52.94 0.69 -2.04 | 38.46 0.95 -1.58 | 36.07 1.00 -1.59 | 27.17 0.01 -0.36 | 27.19 -0.45 0.00 | 25.97 -0.14 0.00 | 30.07 0.12 -0.09 | 37.18 0.68 -1.45 | 47.62 1.52 -2.01 | 64.16 2.41 -2.37 | 76.64 2.50 -2.11 | 53.58 1.33 -0.12 | 45.46 0.26 0.00 | 43.08 0.22 0.00 |
| N SALMON___HYD 24042 | 27.58 -0.39 0.00 | 27.72 -0.49 0.00 | 54.25 -0.66 -19.34 | 40.20 -0.61 -11.48 | 57.75 -0.69 -30.97 | 61.88 -0.89 -29.80 | 59.79 -0.59 -33.22 | 60.51 -0.44 -32.98 | 52.88 -0.44 -22.90 | 51.46 -0.34 -13.29 | 50.80 0.59 0.00 | 36.25 0.33 0.00 | 33.46 -0.02 0.00 | 26.78 -0.02 0.00 | 27.69 0.04 0.00 | 26.04 -0.07 0.00 | 29.50 -0.35 0.00 | 34.45 -0.61 0.00 | 46.55 -0.81 -3.27 | 112.96 -1.07 -54.65 | 77.21 0.04 -5.14 | 52.52 0.39 0.00 | 45.87 0.68 0.00 | 43.44 0.59 0.00 |
| N.AKRON__115KV_KNAPP 355671 | 25.21 -2.08 0.68 | 23.37 -2.12 2.73 | 33.19 -2.38 0.00 | 27.03 -2.30 0.00 | 25.39 -2.08 0.00 | 28.97 -2.34 1.67 | 20.63 -1.80 4.73 | 21.78 -1.95 4.24 | 23.81 -1.78 4.82 | 30.04 -2.12 6.35 | 39.55 -2.90 7.76 | 28.17 -1.74 6.02 | 25.36 -2.07 6.04 | 23.80 -1.62 1.38 | 26.28 -1.36 0.00 | 24.74 -1.38 0.00 | 27.96 -1.53 0.36 | 27.78 -1.79 5.48 | 34.47 -2.00 7.63 | 47.65 -2.74 8.98 | 60.93 -3.11 7.98 | 49.59 -2.09 0.46 | 43.80 -1.40 0.00 | 41.86 -1.00 0.00 |
| N.BELMOR_69_KV_BK1 55787 | 37.55 1.57 -8.02 | 35.18 1.62 -5.35 | 37.38 1.80 -0.01 | 30.89 1.55 -0.01 | 28.98 1.51 -0.01 | 35.94 1.94 -1.02 | 28.99 1.84 -0.01 | 29.96 1.99 0.00 | 32.65 2.24 0.00 | 41.41 2.90 0.00 | 53.76 3.55 -12.67 | 51.47 2.88 -10.65 | 47.02 2.90 -1.08 | 30.10 2.22 -1.48 | 31.40 2.28 0.00 | 28.15 2.04 0.00 | 32.06 2.21 0.00 | 37.54 2.49 0.00 | 47.51 3.42 0.00 | 63.81 4.43 0.00 | 77.56 4.86 -0.67 | 55.30 3.16 -0.01 | 50.11 2.51 -2.41 | 45.20 1.98 -0.37 |
| N.E_GEN_SANDY PD 24062 | 28.94 0.97 0.00 | 29.23 1.01 0.00 | 36.73 1.16 0.00 | 30.37 1.04 0.00 | 28.50 1.03 0.00 | 40.35 1.31 -6.06 | 32.36 1.52 -3.69 | 50.17 2.08 -20.12 | 44.36 2.19 -11.75 | 50.47 2.71 -9.25 | 54.85 3.35 -1.29 | 38.26 2.34 0.00 | 35.78 2.30 0.00 | 29.28 1.90 -0.58 | 31.45 1.87 -1.93 | 32.54 1.40 -5.03 | 32.97 1.60 -1.52 | 36.94 1.89 0.00 | 46.47 2.38 0.00 | 62.61 3.23 0.00 | 75.17 3.14 0.00 | 54.08 1.94 0.00 | 46.40 1.20 0.00 | 43.80 0.95 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 28.95 0.98 0.00 | 29.20 0.98 0.00 | 36.71 1.14 0.00 | 30.34 1.01 0.00 | 28.46 0.99 0.00 | 34.27 1.30 0.00 | 28.70 1.54 0.00 | 29.80 1.83 0.00 | 32.37 1.96 0.00 | 40.95 2.44 0.00 | 53.19 2.98 0.00 | 38.14 2.21 0.00 | 35.73 2.25 0.00 | 28.55 1.76 0.00 | 29.40 1.76 0.00 | 27.77 1.66 0.00 | 31.83 1.98 0.00 | 37.34 2.29 0.00 | 46.96 2.87 0.00 | 63.16 3.78 0.00 | 75.84 3.81 0.00 | 54.50 2.37 0.00 | 46.81 1.61 0.00 | 44.15 1.30 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 29.12 1.15 0.00 | 29.39 1.17 0.00 | 36.88 1.30 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.49 0.00 | 28.91 1.75 0.00 | 30.08 2.11 0.00 | 32.73 2.32 0.01 | 41.38 2.87 0.00 | 53.64 3.44 0.00 | 38.51 2.59 0.00 | 36.18 2.70 0.01 | 28.91 2.12 0.01 | 29.80 2.16 0.01 | 28.08 1.97 0.01 | 32.16 2.31 0.00 | 37.65 2.60 0.00 | 47.36 3.27 0.00 | 63.78 4.41 0.00 | 76.50 4.47 0.00 | 54.91 2.77 -0.01 | 47.11 1.91 0.00 | 44.36 1.51 0.00 |
| N.TROY___115KV_TB1 355778 | 28.83 0.86 0.00 | 29.10 0.88 0.00 | 36.59 1.01 0.00 | 30.23 0.90 0.00 | 28.35 0.88 0.00 | 34.08 1.10 0.00 | 28.46 1.30 0.00 | 29.38 1.41 0.00 | 31.80 1.38 0.00 | 40.25 1.75 0.00 | 52.33 2.12 0.00 | 37.28 1.36 0.00 | 34.80 1.32 0.00 | 27.84 1.04 0.00 | 28.69 1.04 0.00 | 27.03 0.92 0.00 | 31.03 1.18 0.00 | 36.58 1.53 0.00 | 46.03 1.94 0.00 | 62.05 2.67 0.00 | 74.59 2.56 0.00 | 53.70 1.57 0.00 | 46.12 0.93 0.00 | 43.57 0.71 0.00 |
| NARROWS_GT1_1 24228 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT1_2 24229 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT1_3 24230 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT1_4 24231 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |

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|---|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| NARROWS_GT1_5 24232 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT1_6 24233 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT1_7 24234 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT1_8 24235 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_1 24236 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_2 24237 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_3 24238 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_4 24239 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_5 24240 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_6 24241 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_7 24242 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NARROWS_GT2_8 24243 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 29.14 1.17 0.00 | 29.39 1.17 0.00 | 36.99 1.42 0.00 | 30.56 1.22 0.00 | 28.68 1.21 0.00 | 34.48 1.51 0.00 | 28.82 1.66 0.00 | 29.55 1.57 0.00 | 31.84 1.43 0.00 | 40.14 1.63 0.00 | 52.15 1.94 0.00 | 37.03 1.10 0.00 | 34.46 0.98 0.00 | 27.49 0.68 0.00 | 28.32 0.67 0.00 | 26.90 0.79 0.00 | 31.09 1.24 0.00 | 36.73 1.68 0.00 | 46.30 2.21 0.00 | 62.58 3.20 0.00 | 75.31 3.28 0.00 | 54.21 2.07 0.00 | 46.56 1.37 0.00 | 43.95 1.10 0.00 |
| NCHELSEA_115KV_TR2 355582 | 29.22 1.25 0.00 | 29.48 1.26 0.00 | 37.05 1.48 0.00 | 30.63 1.30 0.00 | 28.73 1.26 0.00 | 34.58 1.60 0.00 | 28.95 1.80 0.00 | 30.12 2.14 0.00 | 32.64 2.22 0.00 | 41.27 2.77 0.00 | 53.63 3.42 0.00 | 38.41 2.49 0.00 | 35.93 2.45 0.00 | 28.67 1.87 0.00 | 29.54 1.90 0.00 | 27.87 1.76 0.00 | 31.99 2.14 0.00 | 37.61 2.55 0.00 | 47.35 3.26 0.00 | 63.73 4.35 0.00 | 76.60 4.57 0.00 | 55.02 2.89 0.00 | 47.24 2.05 0.00 | 44.52 1.67 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 29.21 1.24 0.00 | 29.47 1.26 0.00 | 37.09 1.52 0.00 | 30.63 1.30 0.00 | 28.69 1.22 0.00 | 34.47 1.49 0.00 | 28.90 1.74 0.00 | 29.95 1.98 0.00 | 32.29 1.87 0.00 | 40.89 2.38 0.00 | 53.16 2.95 0.00 | 37.86 1.94 0.00 | 35.21 1.73 0.00 | 28.10 1.31 0.00 | 28.91 1.27 0.00 | 27.30 1.19 0.00 | 31.36 1.51 0.00 | 37.15 2.10 0.00 | 46.82 2.73 0.00 | 63.13 3.76 0.00 | 75.92 3.89 0.00 | 54.60 2.46 0.00 | 46.84 1.64 0.00 | 44.19 1.33 0.00 |

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|-------------------------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|---------------------------|---------------------------|-------------------------|------------------------|------------------------|
| NEG CENTRAL_HIGH_ACRES 23767 | 26.41 -1.56 0.00 | 26.65 -1.57 0.00 | 33.71 -1.87 0.00 | 27.62 -1.71 0.00 | 25.92 -1.56 0.00 | 31.26 -1.71 0.00 | 25.90 -1.25 0.00 | 26.62 -1.35 0.00 | 29.09 -1.33 0.00 | 36.88 -1.63 0.00 | 47.91 -2.30 0.00 | 34.49 -1.43 0.00 | 31.97 -1.51 0.00 | 25.54 -1.26 0.00 | 26.50 -1.14 0.00 | 25.01 -1.10 0.00 | 28.59 -1.26 0.00 | 33.68 -1.37 0.00 | 42.51 -1.58 0.00 | 57.19 -2.19 0.00 | 69.35 -2.68 0.00 | 50.23 -1.91 0.00 | 43.71 -1.49 0.00 | 41.55 -1.31 0.00 |
| NEG CENTRAL___DRP 24199 | 27.58 -0.69 -0.30 | 28.73 -0.69 -1.21 | 34.77 -0.81 0.00 | 28.57 -0.77 0.00 | 26.81 -0.67 0.00 | 33.03 -0.69 -0.74 | 28.88 -0.36 -2.10 | 29.43 -0.41 -1.87 | 32.16 -0.38 -2.12 | 40.81 -0.50 -2.80 | 52.69 -0.94 -3.42 | 38.00 -0.58 -2.65 | 35.51 -0.63 -2.66 | 26.82 -0.59 -0.61 | 27.05 -0.59 0.00 | 25.54 -0.57 0.00 | 29.50 -0.51 -0.16 | 37.01 -0.45 -2.41 | 47.07 -0.38 -3.35 | 62.63 -0.69 -3.95 | 74.60 -0.94 -3.51 | 51.70 -0.63 -0.20 | 44.72 -0.48 0.00 | 42.48 -0.38 0.00 |
| NEG CENTRAL___INDECK 23768 | 29.84 -1.36 -3.23 | 39.88 -1.36 -13.01 | 34.03 -1.54 0.00 | 27.86 -1.47 0.00 | 26.18 -1.30 0.00 | 39.57 -1.39 -7.98 | 48.82 -0.85 -22.52 | 47.21 -0.84 -20.07 | 52.48 -0.78 -22.84 | 67.27 -1.33 -30.09 | 85.17 -1.79 -36.75 | 62.92 -1.51 -28.50 | 60.56 -1.55 -28.63 | 31.99 -1.36 -6.55 | 26.64 -1.01 0.00 | 25.10 -1.00 0.00 | 30.71 -0.86 -1.71 | 60.24 -0.76 -25.95 | 79.66 -0.51 -36.09 | 101.09 -0.77 -42.49 | 108.99 -0.81 -37.77 | 53.62 -0.68 -2.16 | 44.79 -0.41 0.00 | 42.39 -0.46 0.00 |
| NEG CENTRAL___SENECA 23627 | 27.53 -0.91 -0.48 | 29.22 -0.92 -1.92 | 34.51 -1.06 0.00 | 28.34 -0.99 0.00 | 26.59 -0.88 0.00 | 33.26 -0.90 -1.18 | 29.99 -0.49 -3.33 | 30.45 -0.50 -2.97 | 33.36 -0.44 -3.38 | 42.34 -0.62 -4.45 | 54.48 -1.16 -5.44 | 39.47 -0.67 -4.22 | 36.95 -0.77 -4.24 | 27.04 -0.73 -0.97 | 26.94 -0.70 0.00 | 25.40 -0.71 0.00 | 29.49 -0.61 -0.25 | 38.36 -0.52 -3.84 | 49.00 -0.43 -5.33 | 64.79 -0.87 -6.28 | 76.44 -1.18 -5.58 | 51.69 -0.77 -0.32 | 44.62 -0.58 0.00 | 42.39 -0.47 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 27.73 -0.24 0.00 | 28.00 -0.22 0.00 | 35.34 -0.23 0.00 | 29.00 -0.34 0.00 | 27.25 -0.22 0.00 | 32.79 -0.19 0.00 | 27.18 0.03 0.00 | 27.86 -0.12 0.00 | 30.30 -0.12 0.00 | 38.41 -0.10 0.00 | 49.87 -0.34 0.00 | 35.72 -0.21 0.00 | 33.21 -0.26 0.00 | 26.45 -0.35 0.00 | 27.29 -0.36 0.00 | 25.81 -0.30 0.00 | 29.62 -0.23 0.00 | 34.91 -0.14 0.00 | 44.06 -0.03 0.00 | 59.27 -0.10 0.00 | 71.98 -0.05 0.00 | 52.09 -0.05 0.00 | 45.19 -0.01 0.00 | 42.91 0.06 0.00 |
| NEG MILLWOOD___DRP 24198 | 29.29 1.32 0.00 | 29.56 1.34 0.00 | 37.14 1.57 0.00 | 30.70 1.37 0.00 | 28.81 1.33 0.00 | 34.67 1.69 0.00 | 29.05 1.89 0.00 | 30.19 2.22 0.00 | 32.78 2.36 0.00 | 41.45 2.94 0.00 | 53.84 3.63 0.00 | 38.59 2.67 0.00 | 36.12 2.64 0.00 | 28.81 2.02 0.00 | 29.68 2.04 0.00 | 27.98 1.87 0.00 | 32.09 2.24 0.00 | 37.71 2.66 0.00 | 47.51 3.41 0.00 | 63.93 4.55 0.00 | 76.82 4.79 0.00 | 55.17 3.04 0.00 | 47.34 2.15 0.00 | 44.61 1.75 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 27.64 -0.33 0.00 | 27.82 -0.40 0.00 | 7.72 -0.60 27.25 | 12.54 -0.62 16.18 | -16.93 -0.75 43.65 | -47.84 -1.03 79.79 | -20.88 -0.78 47.25 | -20.90 -0.68 48.19 | -3.56 -0.52 33.47 | 18.61 -0.47 19.42 | 50.69 0.48 0.00 | 36.32 0.39 0.00 | 33.57 0.09 0.00 | 26.93 0.13 0.00 | 27.70 0.06 0.00 | 26.06 -0.05 0.00 | 29.55 -0.30 0.00 | 34.45 -0.60 0.00 | 38.51 -0.89 4.70 | -20.34 -1.27 78.45 | 64.35 -0.39 7.29 | 52.34 0.20 0.00 | 45.79 0.59 0.00 | 43.36 0.50 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 27.30 -0.67 0.00 | 27.46 -0.76 0.00 | 4.91 -0.99 29.67 | 10.85 -0.87 17.61 | -21.02 -0.96 47.53 | -51.83 -1.29 83.52 | -25.20 -0.93 51.42 | -25.18 -0.83 52.32 | -6.79 -0.87 36.33 | 16.47 -0.96 21.09 | 50.19 -0.02 0.00 | 35.94 0.02 0.00 | 33.18 -0.29 0.00 | 26.60 -0.20 0.00 | 27.45 -0.19 0.00 | 25.79 -0.32 0.00 | 29.18 -0.67 0.00 | 34.00 -1.06 0.00 | 37.52 -1.45 5.12 | -27.97 -1.97 85.37 | 62.98 -1.11 7.94 | 51.81 -0.33 0.00 | 45.33 0.14 0.00 | 42.94 0.08 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 27.81 -0.16 0.00 | 28.00 -0.22 0.00 | 7.94 -0.38 27.25 | 12.72 -0.44 16.18 | -16.73 -0.54 43.65 | -47.57 -0.76 79.79 | -20.63 -0.53 47.25 | -20.63 -0.41 48.19 | -3.33 -0.28 33.47 | 18.89 -0.20 19.42 | 51.07 0.86 0.00 | 36.56 0.64 0.00 | 33.73 0.25 0.00 | 27.04 0.24 0.00 | 27.81 0.17 0.00 | 26.15 0.04 0.00 | 29.75 -0.10 0.00 | 34.72 -0.33 0.00 | 38.87 -0.52 4.70 | -19.89 -0.82 78.45 | 64.90 0.16 7.29 | 52.71 0.57 0.00 | 46.07 0.87 0.00 | 43.59 0.73 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 27.81 -0.16 0.00 | 28.00 -0.22 0.00 | 7.94 -0.38 27.25 | 12.72 -0.44 16.18 | -16.73 -0.54 43.65 | -47.57 -0.76 79.79 | -20.63 -0.53 47.25 | -20.63 -0.41 48.19 | -3.33 -0.28 33.47 | 18.89 -0.20 19.42 | 51.07 0.86 0.00 | 36.56 0.64 0.00 | 33.73 0.25 0.00 | 27.04 0.24 0.00 | 27.81 0.17 0.00 | 26.15 0.04 0.00 | 29.75 -0.10 0.00 | 34.72 -0.33 0.00 | 38.87 -0.52 4.70 | -19.89 -0.82 78.45 | 64.90 0.16 7.29 | 52.71 0.57 0.00 | 46.07 0.87 0.00 | 43.59 0.73 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 27.82 -0.15 0.00 | 28.00 -0.22 0.00 | 7.94 -0.38 27.25 | 12.72 -0.44 16.18 | -16.73 -0.55 43.65 | -47.58 -0.77 79.79 | -20.64 -0.54 47.25 | -20.63 -0.41 48.19 | -3.33 -0.29 33.47 | 18.89 -0.20 19.42 | 51.07 0.86 0.00 | 36.56 0.63 0.00 | 33.73 0.25 0.00 | 27.04 0.24 0.00 | 27.81 0.17 0.00 | 26.15 0.04 0.00 | 29.74 -0.11 0.00 | 34.73 -0.32 0.00 | 38.87 -0.52 4.70 | -19.90 -0.83 78.45 | 64.90 0.17 7.29 | 52.71 0.57 0.00 | 46.07 0.87 0.00 | 43.59 0.73 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 24.33 -2.71 0.94 | 21.70 -2.75 3.77 | 32.44 -3.14 0.00 | 26.39 -2.94 0.00 | 24.79 -2.68 0.00 | 27.54 -3.12 2.31 | 18.12 -2.51 6.53 | 19.40 -2.72 5.85 | 21.17 -2.60 6.65 | 26.63 -3.12 8.77 | 35.36 -4.15 10.71 | 24.97 -2.66 8.30 | 22.36 -2.78 8.34 | 22.64 -2.26 1.91 | 25.63 -2.01 0.00 | 24.11 -2.00 0.00 | 27.05 -2.31 0.50 | 24.74 -2.75 7.57 | 30.34 -3.23 10.52 | 42.55 -4.44 12.39 | 55.89 -5.13 11.01 | 48.02 -3.49 0.63 | 42.70 -2.49 0.00 | 40.89 -1.96 0.00 |
| NEG WEST___LANCASTER 23811 | 25.36 -2.19 0.42 | 24.29 -2.23 1.71 | 33.14 -2.43 0.00 | 27.01 -2.32 0.00 | 25.33 -2.14 0.00 | 29.54 -2.39 1.05 | 22.31 -1.94 2.90 | 23.74 -2.02 2.22 | 26.00 -1.90 2.51 | 32.90 -2.30 3.31 | 43.12 -3.04 4.04 | 30.84 -1.94 3.14 | 28.36 -1.97 3.15 | 24.47 -1.61 0.72 | 26.30 -1.35 0.00 | 24.71 -1.40 0.00 | 28.04 -1.62 0.19 | 30.21 -1.97 2.86 | 37.82 -2.29 3.98 | 51.43 -3.26 4.69 | 64.22 -3.64 4.17 | 49.55 -2.34 0.24 | 43.53 -1.67 0.00 | 41.52 -1.34 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 27.45 -0.52 0.00 | 27.70 -0.52 0.00 | 34.97 -0.60 0.00 | 28.79 -0.54 0.00 | 26.99 -0.48 0.00 | 32.49 -0.48 0.00 | 26.99 -0.17 0.00 | 27.89 -0.08 0.00 | 30.35 -0.07 0.00 | 38.39 -0.12 0.00 | 49.98 -0.23 0.00 | 35.81 -0.11 0.00 | 33.32 -0.16 0.00 | 26.54 -0.26 0.00 | 27.39 -0.25 0.00 | 25.82 -0.29 0.00 | 29.64 -0.21 0.00 | 34.96 -0.09 0.00 | 44.12 0.03 0.00 | 59.29 -0.09 0.00 | 71.79 -0.24 0.00 | 51.83 -0.31 0.00 | 44.84 -0.35 0.00 | 42.55 -0.31 0.00 |
| NEG___GEN_MONROE 24207 | 26.51 -1.30 0.16 | 26.27 -1.33 0.63 | 34.08 -1.50 0.00 | 27.85 -1.49 0.00 | 26.14 -1.33 0.00 | 31.17 -1.43 0.38 | 25.04 -1.03 1.09 | 25.85 -1.14 0.98 | 28.29 -1.01 1.12 | 35.80 -1.24 1.47 | 46.66 -1.75 1.80 | 33.55 -0.99 1.39 | 30.80 -1.28 1.40 | 25.49 -0.99 0.32 | 26.87 -0.77 0.00 | 25.33 -0.78 0.00 | 28.89 -0.87 0.08 | 32.82 -0.96 1.27 | 41.31 -1.02 1.77 | 55.92 -1.37 2.08 | 68.57 -1.61 1.85 | 50.93 -1.10 0.11 | 44.50 -0.69 0.00 | 42.33 -0.53 0.00 |

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| NEPA__ENERGY 23901 | 25.22 -2.34 0.41 | 24.33 -2.24 1.65 | 33.09 -2.48 0.00 | 26.96 -2.38 0.00 | 25.19 -2.29 0.00 | 29.56 -2.41 1.01 | 22.56 -1.74 2.86 | 23.61 -1.80 2.57 | 25.91 -1.59 2.91 | 32.61 -2.06 3.84 | 42.80 -2.72 4.69 | 30.52 -1.77 3.64 | 28.20 -1.62 3.65 | 24.47 -1.50 0.84 | 26.19 -1.46 0.00 | 24.64 -1.47 0.00 | 28.16 -1.47 0.22 | 30.36 -1.37 3.32 | 38.03 -1.45 4.61 | 51.56 -2.38 5.43 | 64.62 -2.58 4.83 | 49.89 -1.97 0.28 | 43.66 -1.53 0.00 | 41.60 -1.25 0.00 |
| NEVERSINK__HYD 23608 | 29.09 1.12 0.00 | 29.34 1.12 0.00 | 36.89 1.32 0.00 | 30.48 1.15 0.00 | 28.60 1.12 0.00 | 34.41 1.43 0.00 | 28.77 1.62 0.00 | 29.86 1.88 0.00 | 32.43 2.01 0.00 | 41.07 2.56 0.00 | 53.37 3.16 0.00 | 38.17 2.24 0.00 | 35.49 2.01 0.00 | 28.31 1.52 0.00 | 29.18 1.54 0.00 | 27.56 1.45 0.00 | 31.66 1.81 0.00 | 37.29 2.24 0.00 | 47.09 3.00 0.00 | 63.37 4.00 0.00 | 76.26 4.23 0.00 | 54.81 2.67 0.00 | 47.09 1.89 0.00 | 44.39 1.54 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 28.58 0.61 0.00 | 28.83 0.62 0.00 | 36.27 0.70 0.00 | 29.98 0.65 0.00 | 28.13 0.66 0.00 | 33.77 0.79 0.00 | 28.19 1.04 0.00 | 28.86 0.89 0.00 | 31.09 0.67 0.00 | 39.31 0.80 0.00 | 51.14 0.93 0.00 | 36.49 0.57 0.00 | 34.15 0.67 0.00 | 27.32 0.52 0.00 | 28.22 0.58 0.00 | 26.80 0.69 0.00 | 30.84 0.99 0.00 | 36.22 1.17 0.00 | 45.47 1.38 0.00 | 61.23 1.85 0.00 | 73.62 1.59 0.00 | 53.02 0.89 0.00 | 45.59 0.39 0.00 | 43.08 0.22 0.00 |
| NEWTON__FALLS_HYD 23847 | 26.96 -1.01 0.00 | 27.02 -1.20 0.00 | 37.05 -1.60 -3.08 | 29.77 -1.39 -1.83 | 31.07 -1.32 -4.92 | 36.26 -1.44 -4.72 | 31.38 -1.04 -5.27 | 32.20 -1.00 -5.23 | 33.07 -0.98 -3.63 | 39.78 -0.84 -2.11 | 48.88 -1.33 0.00 | 34.58 -1.35 0.00 | 31.90 -1.58 0.00 | 25.63 -1.17 0.00 | 26.46 -1.19 0.00 | 24.95 -1.16 0.00 | 28.50 -1.35 0.00 | 33.49 -1.56 0.00 | 42.88 -1.71 -0.50 | 65.59 -2.12 -8.34 | 71.72 -1.13 -0.81 | 51.12 -1.02 0.00 | 44.57 -0.63 0.00 | 42.15 -0.71 0.00 |
| NGRID_A1_DSASP 323792 | 24.45 -2.79 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.32 -3.02 0.00 | 24.71 -2.77 0.00 | 27.95 -3.21 1.82 | 19.30 -2.73 5.12 | 20.40 -2.96 4.61 | 22.32 -2.86 5.24 | 28.19 -3.42 6.90 | 37.26 -4.52 8.43 | 26.51 -2.88 6.54 | 24.02 -2.90 6.56 | 22.98 -2.32 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.03 -2.43 0.39 | 26.04 -3.05 5.96 | 32.12 -3.69 8.28 | 44.53 -5.09 9.76 | 57.52 -5.85 8.67 | 47.84 -3.80 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| NGRID_A2_DSASP 323793 | 24.45 -2.79 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.32 -3.02 0.00 | 24.71 -2.77 0.00 | 27.95 -3.21 1.82 | 19.30 -2.73 5.12 | 20.40 -2.96 4.61 | 22.32 -2.86 5.24 | 28.19 -3.42 6.90 | 37.26 -4.52 8.43 | 26.51 -2.88 6.54 | 24.02 -2.90 6.56 | 22.98 -2.32 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.03 -2.43 0.39 | 26.04 -3.05 5.96 | 32.12 -3.69 8.28 | 44.53 -5.09 9.76 | 57.52 -5.85 8.67 | 47.84 -3.80 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| NGRID_A4_DSASP 323807 | 24.45 -2.79 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.32 -3.02 0.00 | 24.71 -2.77 0.00 | 27.95 -3.21 1.82 | 19.30 -2.73 5.12 | 20.40 -2.96 4.61 | 22.32 -2.86 5.24 | 28.19 -3.42 6.90 | 37.26 -4.52 8.43 | 26.51 -2.88 6.54 | 24.02 -2.90 6.56 | 22.98 -2.32 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.03 -2.43 0.39 | 26.04 -3.05 5.96 | 32.12 -3.69 8.28 | 44.53 -5.09 9.76 | 57.52 -5.85 8.67 | 47.84 -3.80 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| NIAGARA_115E_LBMP 323715 | 24.21 -3.03 0.73 | 22.18 -3.08 2.95 | 32.02 -3.56 0.00 | 26.07 -3.27 0.00 | 24.49 -2.99 0.00 | 27.68 -3.49 1.81 | 19.17 -2.87 5.11 | 20.28 -3.10 4.59 | 22.20 -3.01 5.22 | 28.01 -3.63 6.87 | 37.02 -4.80 8.39 | 26.33 -3.09 6.51 | 23.84 -3.10 6.54 | 22.75 -2.56 1.50 | 25.30 -2.35 0.00 | 23.79 -2.32 0.00 | 26.76 -2.70 0.39 | 25.90 -3.22 5.93 | 31.95 -3.89 8.25 | 44.33 -5.33 9.72 | 57.17 -6.23 8.63 | 47.43 -4.21 0.49 | 42.15 -3.05 0.00 | 40.47 -2.38 0.00 |
| NIAGARA_115W_LBMP 323714 | 24.38 -2.85 0.74 | 22.34 -2.90 2.98 | 32.32 -3.25 0.00 | 26.26 -3.08 0.00 | 24.65 -2.82 0.00 | 27.87 -3.28 1.83 | 19.18 -2.81 5.16 | 20.29 -3.04 4.64 | 22.20 -2.95 5.27 | 28.02 -3.55 6.94 | 37.06 -4.67 8.48 | 26.35 -3.00 6.58 | 23.87 -3.00 6.60 | 22.90 -2.39 1.51 | 25.53 -2.11 0.00 | 24.02 -2.09 0.00 | 26.96 -2.50 0.39 | 25.89 -3.16 5.99 | 31.93 -3.83 8.33 | 44.29 -5.27 9.81 | 57.26 -6.05 8.72 | 47.72 -3.92 0.50 | 42.38 -2.82 0.00 | 40.54 -2.31 0.00 |
| NIAGARA_230_LBMP 323716 | 24.50 -2.71 0.77 | 22.41 -2.72 3.09 | 32.43 -3.15 0.00 | 26.38 -2.96 0.00 | 24.76 -2.72 0.00 | 28.01 -3.08 1.89 | 19.29 -2.52 5.34 | 20.43 -2.75 4.79 | 22.34 -2.63 5.45 | 28.18 -3.15 7.18 | 37.28 -4.16 8.76 | 26.50 -2.63 6.80 | 24.00 -2.65 6.83 | 23.01 -2.23 1.56 | 25.62 -2.02 0.00 | 24.10 -2.01 0.00 | 27.09 -2.35 0.41 | 26.07 -2.78 6.20 | 32.12 -3.35 8.62 | 44.60 -4.63 10.14 | 57.62 -5.40 9.02 | 47.97 -3.65 0.52 | 42.54 -2.66 0.00 | 40.67 -2.19 0.00 |
| NIAGARA__115KV_198_GIBSON 55903 | 24.39 -2.84 0.74 | 22.34 -2.90 2.98 | 32.31 -3.26 0.00 | 26.26 -3.08 0.00 | 24.64 -2.83 0.00 | 27.82 -3.33 1.83 | 19.16 -2.84 5.16 | 20.25 -3.09 4.64 | 22.15 -2.99 5.27 | 27.98 -3.59 6.94 | 37.01 -4.72 8.48 | 26.30 -3.05 6.58 | 23.75 -3.12 6.60 | 22.87 -2.42 1.51 | 25.52 -2.12 0.00 | 24.02 -2.10 0.00 | 26.94 -2.52 0.39 | 25.85 -3.21 5.99 | 31.91 -3.84 8.33 | 44.28 -5.28 9.81 | 57.25 -6.06 8.72 | 47.71 -3.93 0.50 | 42.38 -2.81 0.00 | 40.54 -2.31 0.00 |
| NIAGARA____ 23760 | 24.53 -2.71 0.74 | 22.54 -2.72 2.96 | 32.43 -3.15 0.00 | 26.38 -2.96 0.00 | 24.76 -2.72 0.00 | 28.08 -3.08 1.82 | 19.48 -2.52 5.16 | 20.55 -2.75 4.67 | 22.48 -2.63 5.31 | 28.36 -3.15 7.00 | 37.49 -4.16 8.56 | 26.68 -2.63 6.62 | 24.19 -2.65 6.64 | 23.06 -2.23 1.51 | 25.62 -2.02 0.00 | 24.10 -2.01 0.00 | 27.10 -2.35 0.40 | 26.21 -2.78 6.05 | 32.31 -3.35 8.43 | 44.81 -4.63 9.94 | 57.78 -5.40 8.85 | 47.98 -3.65 0.51 | 42.54 -2.66 0.00 | 40.67 -2.19 0.00 |
| NINE_MILE_1 23575 | 27.18 -0.79 0.00 | 27.42 -0.79 0.00 | 34.57 -1.00 0.00 | 28.49 -0.84 0.00 | 26.70 -0.77 0.00 | 32.03 -0.94 0.00 | 26.39 -0.76 0.00 | 27.09 -0.88 0.00 | 29.46 -0.96 0.00 | 37.25 -1.26 0.00 | 48.46 -1.75 0.00 | 34.70 -1.22 0.00 | 32.33 -1.15 0.00 | 25.92 -0.88 0.00 | 26.74 -0.90 0.00 | 25.28 -0.83 0.00 | 28.90 -0.95 0.00 | 33.94 -1.11 0.00 | 42.73 -1.36 0.00 | 57.52 -1.86 0.00 | 69.67 -2.36 0.00 | 50.55 -1.58 0.00 | 43.93 -1.27 0.00 | 41.75 -1.10 0.00 |
| NINE_MILE_2 23744 | 27.18 -0.79 0.00 | 27.42 -0.79 0.00 | 34.57 -1.00 0.00 | 28.49 -0.84 0.00 | 26.70 -0.77 0.00 | 32.03 -0.94 0.00 | 26.39 -0.76 0.00 | 27.09 -0.88 0.00 | 29.46 -0.96 0.00 | 37.25 -1.26 0.00 | 48.46 -1.75 0.00 | 34.70 -1.22 0.00 | 32.33 -1.15 0.00 | 25.92 -0.88 0.00 | 26.74 -0.90 0.00 | 25.28 -0.83 0.00 | 28.90 -0.95 0.00 | 33.94 -1.11 0.00 | 42.73 -1.36 0.00 | 57.52 -1.86 0.00 | 69.67 -2.36 0.00 | 50.55 -1.58 0.00 | 43.93 -1.27 0.00 | 41.75 -1.10 0.00 |
| NM_CAPITAL__DRP 24208 | 28.61 0.64 0.00 | 28.87 0.65 0.00 | 36.31 0.73 0.00 | 30.02 0.68 0.00 | 28.16 0.68 0.00 | 33.82 0.84 0.00 | 28.22 1.07 0.00 | 28.87 0.89 0.00 | 31.12 0.71 0.00 | 39.36 0.85 0.00 | 51.22 1.01 0.00 | 36.54 0.62 0.00 | 34.19 0.71 0.00 | 27.35 0.55 0.00 | 28.27 0.63 0.00 | 26.85 0.74 0.00 | 30.89 1.04 0.00 | 36.27 1.22 0.00 | 45.54 1.45 0.00 | 61.33 1.96 0.00 | 73.73 1.70 0.00 | 53.11 0.97 0.00 | 45.64 0.45 0.00 | 43.15 0.29 0.00 |

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| NM_CENTRAL___DRP 24181 | 27.58 -0.39 0.00 | 27.82 -0.40 0.00 | 35.09 -0.48 0.00 | 28.90 -0.43 0.00 | 27.09 -0.38 0.00 | 32.54 -0.44 0.00 | 26.89 -0.26 0.00 | 27.65 -0.32 0.00 | 30.09 -0.33 0.00 | 38.07 -0.44 0.00 | 49.48 -0.73 0.00 | 35.44 -0.49 0.00 | 33.00 -0.48 0.00 | 26.42 -0.38 0.00 | 27.25 -0.40 0.00 | 25.76 -0.35 0.00 | 29.51 -0.35 0.00 | 34.71 -0.34 0.00 | 43.74 -0.35 0.00 | 58.86 -0.52 0.00 | 71.25 -0.78 0.00 | 51.57 -0.56 0.00 | 44.74 -0.45 0.00 | 42.49 -0.36 0.00 |
| NM_FRONTIER___DRP 24179 | 24.39 -2.84 0.74 | 22.34 -2.90 2.98 | 32.31 -3.26 0.00 | 26.26 -3.08 0.00 | 24.64 -2.83 0.00 | 27.82 -3.33 1.83 | 19.16 -2.84 5.16 | 20.25 -3.09 4.64 | 22.15 -2.99 5.27 | 27.98 -3.59 6.94 | 37.01 -4.72 8.48 | 26.30 -3.05 6.58 | 23.75 -3.12 6.60 | 22.87 -2.42 1.51 | 25.52 -2.12 0.00 | 24.02 -2.10 0.00 | 26.94 -2.52 0.39 | 25.85 -3.21 5.99 | 31.91 -3.84 8.33 | 44.28 -5.28 9.81 | 57.25 -6.06 8.72 | 47.71 -3.93 0.50 | 42.38 -2.81 0.00 | 40.54 -2.31 0.00 |
| NM_ST_REGIS___HYD 24053 | 27.41 -0.56 0.00 | 27.53 -0.69 0.00 | 42.28 -0.86 -7.57 | 33.03 -0.80 -4.49 | 38.77 -0.83 -12.12 | 43.71 -0.92 -11.65 | 39.44 -0.70 -12.99 | 40.29 -0.58 -12.89 | 38.78 -0.59 -8.95 | 43.13 -0.57 -5.19 | 49.95 -0.27 0.00 | 35.61 -0.31 0.00 | 32.93 -0.55 0.00 | 26.38 -0.41 0.00 | 27.26 -0.39 0.00 | 25.64 -0.47 0.00 | 29.11 -0.74 0.00 | 34.02 -1.03 0.00 | 44.05 -1.29 -1.25 | 78.74 -1.62 -20.98 | 73.60 -0.44 -2.01 | 52.04 -0.10 0.00 | 45.40 0.21 0.00 | 43.01 0.16 0.00 |
| NORTHPORT___1 23551 | 30.42 1.42 -1.03 | 30.37 1.47 -0.68 | 37.14 1.58 0.01 | 30.73 1.40 0.01 | 28.84 1.38 0.01 | 34.86 1.76 -0.12 | 28.74 1.59 0.01 | 29.70 1.73 0.00 | 32.40 1.98 0.00 | 41.19 2.68 0.00 | 53.44 3.23 -2.43 | 41.22 2.87 -2.86 | 39.21 2.87 -2.86 | 29.14 2.19 -0.15 | 30.05 2.20 -0.21 | 28.12 2.01 0.00 | 31.91 2.06 0.00 | 37.24 2.19 0.00 | 47.17 3.08 0.00 | 63.27 3.90 0.00 | 76.49 4.36 -0.10 | 54.99 2.86 0.01 | 47.96 2.40 -0.37 | 44.76 1.85 -0.05 |
| NORTHPORT___2 23552 | 30.42 1.42 -1.03 | 30.37 1.47 -0.68 | 37.14 1.58 0.01 | 30.73 1.40 0.01 | 28.84 1.38 0.01 | 34.86 1.76 -0.12 | 28.74 1.59 0.01 | 29.70 1.73 0.00 | 32.40 1.98 0.00 | 41.19 2.68 0.00 | 53.44 3.23 -2.43 | 41.22 2.87 -2.86 | 39.21 2.87 -2.86 | 29.14 2.19 -0.15 | 30.05 2.20 -0.21 | 28.12 2.01 0.00 | 31.91 2.06 0.00 | 37.24 2.19 0.00 | 47.17 3.08 0.00 | 63.27 3.90 0.00 | 76.49 4.36 -0.10 | 54.99 2.86 0.01 | 47.96 2.40 -0.37 | 44.76 1.85 -0.05 |
| NORTHPORT___3 23553 | 30.50 1.38 -1.15 | 30.42 1.44 -0.76 | 37.11 1.54 0.01 | 30.68 1.35 0.01 | 28.81 1.34 0.01 | 34.84 1.72 -0.14 | 28.75 1.61 0.01 | 29.72 1.75 0.00 | 32.43 2.01 0.00 | 41.19 2.68 0.00 | 53.44 3.23 -2.42 | 41.12 2.77 -2.85 | 39.13 2.80 -2.85 | 29.11 2.15 -0.15 | 30.03 2.18 -0.20 | 28.07 1.96 0.00 | 31.92 2.07 0.00 | 37.29 2.24 0.00 | 47.20 3.11 0.00 | 63.38 4.00 0.00 | 76.53 4.40 -0.10 | 54.99 2.86 0.01 | 47.86 2.30 -0.36 | 44.68 1.78 -0.05 |
| NORTHPORT___4 23650 | 30.50 1.38 -1.15 | 30.42 1.44 -0.76 | 37.11 1.54 0.01 | 30.68 1.35 0.01 | 28.81 1.34 0.01 | 34.84 1.72 -0.14 | 28.75 1.61 0.01 | 29.72 1.75 0.00 | 32.43 2.01 0.00 | 41.19 2.68 0.00 | 53.44 3.23 -2.42 | 41.12 2.77 -2.85 | 39.13 2.80 -2.85 | 29.11 2.15 -0.15 | 30.03 2.18 -0.20 | 28.07 1.96 0.00 | 31.92 2.07 0.00 | 37.29 2.24 0.00 | 47.20 3.11 0.00 | 63.38 4.00 0.00 | 76.53 4.40 -0.10 | 54.99 2.86 0.01 | 47.86 2.30 -0.36 | 44.68 1.78 -0.05 |
| NORTHPORT___IC 23718 | 30.41 1.41 -1.03 | 30.38 1.48 -0.68 | 37.14 1.58 0.01 | 30.74 1.41 0.01 | 28.84 1.37 0.01 | 34.86 1.76 -0.12 | 28.74 1.59 0.01 | 29.70 1.73 0.00 | 32.40 1.98 0.00 | 41.19 2.68 0.00 | 53.45 3.23 -2.43 | 41.23 2.88 -2.86 | 39.22 2.88 -2.86 | 29.15 2.19 -0.15 | 30.06 2.21 -0.21 | 28.12 2.01 0.00 | 31.91 2.06 0.00 | 37.25 2.20 0.00 | 47.17 3.08 0.00 | 63.27 3.90 0.00 | 76.50 4.37 -0.10 | 55.01 2.88 0.01 | 47.96 2.40 -0.37 | 44.76 1.85 -0.05 |
| NORTH___COUNTRY_ESR 323785 | 27.29 -0.68 0.00 | 27.45 -0.76 0.00 | 4.91 -0.99 29.67 | 10.85 -0.87 17.61 | -21.02 -0.97 47.53 | -51.84 -1.30 83.52 | -25.20 -0.94 51.42 | -25.18 -0.83 52.32 | -6.79 -0.87 36.33 | 16.45 -0.97 21.09 | 50.19 -0.02 0.00 | 35.94 0.02 0.00 | 33.18 -0.29 0.00 | 26.60 -0.20 0.00 | 27.45 -0.19 0.00 | 25.79 -0.32 0.00 | 29.18 -0.67 0.00 | 33.99 -1.06 0.00 | 37.52 -1.45 5.12 | -27.97 -1.97 85.37 | 62.98 -1.11 7.94 | 51.81 -0.33 0.00 | 45.34 0.14 0.00 | 42.94 0.08 0.00 |
| NPX_GEN_1385_PROXY 323591 | 30.15 1.15 -1.03 | 30.22 1.32 -0.68 | 36.96 1.39 0.01 | 30.73 1.40 0.01 | 28.73 1.26 0.01 | 34.86 1.76 -0.12 | 28.62 1.47 0.01 | 29.69 1.72 0.00 | 32.44 2.02 0.00 | 41.32 2.82 0.00 | 53.25 3.04 -2.43 | 41.14 2.79 -2.86 | 39.12 2.78 -2.86 | 28.99 2.04 -0.15 | 29.90 2.05 -0.21 | 28.04 1.93 0.00 | 31.70 1.85 0.00 | 36.92 1.87 0.00 | 46.87 2.78 0.00 | 62.69 3.31 0.00 | 76.25 4.12 -0.10 | 54.32 2.19 0.01 | 47.30 2.38 0.27 | 44.45 1.54 -0.05 |
| NPX_GEN_CSC 323557 | 30.67 1.43 -1.28 | 30.45 1.38 -0.85 | 36.98 1.41 0.01 | 30.61 1.28 0.01 | 28.76 1.30 0.01 | 34.80 1.66 -0.15 | 28.56 1.41 0.01 | 29.50 1.52 0.00 | 32.33 1.91 0.00 | 41.24 2.74 0.00 | 53.46 3.25 -2.76 | 41.56 2.88 -3.11 | 39.59 3.00 -0.18 | 29.34 2.36 -0.24 | 30.20 2.31 0.00 | 28.21 2.10 0.00 | 32.04 2.19 0.00 | 37.36 2.31 0.00 | 47.34 3.24 0.00 | 63.60 4.22 0.00 | 77.15 5.00 -0.12 | 55.47 3.34 0.01 | 47.60 2.62 0.21 | 44.84 1.92 -0.06 |
| NSINS_S___GLNS_FALLS 23858 | 29.40 1.43 0.00 | 29.64 1.42 0.00 | 37.35 1.77 0.00 | 30.77 1.44 0.00 | 28.78 1.31 0.00 | 34.45 1.47 0.00 | 28.56 1.40 0.00 | 29.47 1.50 0.00 | 32.13 1.71 0.00 | 40.73 2.22 0.00 | 52.91 2.70 0.00 | 37.45 1.53 0.00 | 34.95 1.48 0.00 | 27.85 1.05 0.00 | 28.59 0.94 0.00 | 26.94 0.83 0.00 | 31.01 1.16 0.00 | 36.92 1.87 0.00 | 46.60 2.51 0.00 | 62.85 3.48 0.00 | 75.53 3.50 0.00 | 54.34 2.20 0.00 | 46.49 1.30 0.00 | 43.83 0.98 0.00 |
| NUCOR_STEEL___DRP 24197 | 27.75 -0.21 0.00 | 28.02 -0.20 0.00 | 35.37 -0.20 0.00 | 29.01 -0.33 0.00 | 27.28 -0.20 0.00 | 32.81 -0.17 0.00 | 27.19 0.04 0.00 | 27.84 -0.14 0.00 | 30.28 -0.14 0.00 | 38.41 -0.10 0.00 | 49.88 -0.33 0.00 | 35.72 -0.20 0.00 | 33.22 -0.26 0.00 | 26.46 -0.34 0.00 | 27.29 -0.35 0.00 | 25.81 -0.29 0.00 | 29.62 -0.24 0.00 | 34.89 -0.16 0.00 | 44.04 -0.06 0.00 | 59.25 -0.12 0.00 | 71.98 -0.05 0.00 | 52.09 -0.04 0.00 | 45.19 -0.01 0.00 | 42.92 0.06 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 27.06 -0.91 0.00 | 27.10 -1.12 0.00 | 35.29 -1.64 -1.35 | 28.74 -1.40 -0.80 | 28.36 -1.28 -2.17 | 33.69 -1.37 -2.08 | 28.60 -0.88 -2.32 | 29.37 -0.91 -2.30 | 31.23 -0.79 -1.60 | 39.08 -0.36 -0.93 | 49.10 -1.11 0.00 | 34.53 -1.39 0.00 | 31.82 -1.66 0.00 | 25.58 -1.22 0.00 | 26.35 -1.30 0.00 | 24.90 -1.21 0.00 | 28.59 -1.27 0.00 | 33.77 -1.28 0.00 | 43.20 -1.12 -0.22 | 61.80 -1.25 -3.67 | 72.31 -0.08 -0.36 | 51.56 -0.58 0.00 | 44.95 -0.25 0.00 | 42.41 -0.44 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 27.97 0.00 0.00 | 28.22 0.00 0.00 | 35.57 0.00 0.00 | 29.33 0.00 0.00 | 27.47 0.00 0.00 | 32.98 0.00 0.00 | 27.15 0.00 0.00 | 27.97 0.00 0.00 | 30.42 0.00 0.00 | 38.51 0.00 0.00 | 50.21 0.00 0.00 | 35.92 0.00 0.00 | 33.48 0.00 0.00 | 26.80 0.00 0.00 | 27.64 0.00 0.00 | 26.11 0.00 0.00 | 29.85 0.00 0.00 | 35.05 0.00 0.00 | 44.09 0.00 0.00 | 59.38 0.00 0.00 | 72.03 0.00 0.00 | 52.14 0.00 0.00 | 45.19 0.00 0.00 | 42.85 0.00 0.00 |

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| NYPA_BRENTWD____GT 24164 | 31.29 1.67 -1.64 | 31.02 1.71 -1.09 | 37.43 1.86 0.01 | 30.94 1.62 0.01 | 29.06 1.59 0.01 | 35.23 2.05 -0.20 | 28.99 1.85 0.01 | 30.00 2.03 0.00 | 32.76 2.34 0.00 | 41.65 3.14 0.00 | 54.02 3.81 0.00 | 42.33 3.26 -3.15 | 40.15 3.26 -3.41 | 29.51 2.50 -0.21 | 30.43 2.49 -0.29 | 28.41 2.30 0.00 | 32.27 2.42 0.00 | 37.69 2.64 0.00 | 47.78 3.69 0.00 | 64.02 4.64 0.00 | 77.38 5.21 -0.14 | 55.71 3.58 0.01 | 48.62 2.92 -0.51 | 45.21 2.28 -0.07 |
| NYPA_GOWANUS____GT5 24156 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NYPA_GOWANUS____GT6 24157 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.94 3.33 -6.10 | 59.76 4.03 -5.51 | 48.84 3.05 -9.87 | 64.74 3.05 -28.21 | 53.62 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.62 2.66 -17.12 | 49.69 3.04 -11.60 | 55.76 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.54 3.35 -6.06 | 49.19 2.52 -1.47 | 51.51 2.13 -6.53 |
| NYPA_HARLEM__RVR__GT1 24160 | 29.11 1.14 0.00 | 29.39 1.17 0.00 | 36.88 1.31 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.48 0.00 | 28.89 1.74 0.00 | 30.06 2.09 0.01 | 32.70 2.29 0.01 | 41.33 2.83 0.01 | 53.61 3.40 0.00 | 38.48 2.56 0.00 | 36.13 2.66 0.01 | 28.88 2.09 0.01 | 29.77 2.13 0.01 | 28.05 1.94 0.01 | 32.13 2.29 0.00 | 37.62 2.57 0.00 | 47.33 3.24 0.00 | 63.73 4.35 0.00 | 76.44 4.41 0.00 | 54.87 2.73 -0.01 | 47.10 1.90 0.00 | 44.36 1.50 0.00 |
| NYPA_HARLEM__RVR__GT2 24161 | 29.11 1.14 0.00 | 29.39 1.17 0.00 | 36.88 1.31 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.48 0.00 | 28.89 1.74 0.00 | 30.06 2.09 0.01 | 32.70 2.29 0.01 | 41.33 2.83 0.01 | 53.61 3.40 0.00 | 38.48 2.56 0.00 | 36.13 2.66 0.01 | 28.88 2.09 0.01 | 29.77 2.13 0.01 | 28.05 1.94 0.01 | 32.13 2.29 0.00 | 37.62 2.57 0.00 | 47.33 3.24 0.00 | 63.73 4.35 0.00 | 76.44 4.41 0.00 | 54.87 2.73 -0.01 | 47.10 1.90 0.00 | 44.36 1.50 0.00 |
| NYPA_KENT____GT 24152 | 39.53 1.44 -10.12 | 39.15 1.45 -9.48 | 42.18 1.71 -4.90 | 40.41 1.48 -9.59 | 38.54 1.44 -9.62 | 41.24 1.84 -6.42 | 38.96 2.03 -9.77 | 39.62 2.39 -9.26 | 41.20 2.62 -8.16 | 45.41 3.24 -3.67 | 57.44 3.92 -3.32 | 44.82 2.96 -5.94 | 60.61 2.98 -24.15 | 52.60 2.34 -23.46 | 61.07 2.38 -31.04 | 39.43 2.20 -11.11 | 42.72 2.57 -10.30 | 44.97 2.93 -6.98 | 52.51 3.68 -4.74 | 67.89 4.84 -3.67 | 77.89 5.09 -0.77 | 59.02 3.23 -3.65 | 48.48 2.40 -0.88 | 48.79 2.00 -3.93 |
| NYPA_POUCH1____GT 24155 | 46.25 1.46 -16.82 | 45.45 1.48 -15.75 | 45.44 1.73 -8.14 | 46.78 1.51 -15.94 | 44.93 1.46 -15.99 | 45.49 1.84 -10.67 | 45.42 2.03 -16.24 | 45.74 2.38 -15.39 | 46.08 2.58 -13.08 | 47.83 3.22 -6.10 | 59.56 3.84 -5.51 | 48.73 2.94 -9.87 | 47.12 2.91 -10.74 | 46.45 2.29 -17.37 | 49.88 2.33 -19.91 | 46.20 2.20 -17.90 | 49.54 2.57 -17.12 | 49.58 2.93 -11.60 | 55.62 3.66 -7.87 | 70.24 4.76 -6.11 | 78.27 4.96 -1.27 | 61.36 3.17 -6.06 | 49.09 2.42 -1.47 | 51.45 2.07 -6.53 |
| NYPA_VERNON____GT2 24162 | 32.77 1.38 -3.42 | 32.81 1.38 -3.21 | 38.84 1.61 -1.66 | 33.98 1.40 -3.25 | 32.10 1.37 -3.26 | 36.90 1.75 -2.17 | 32.43 1.97 -3.31 | 33.43 2.33 -3.13 | 36.21 2.55 -3.25 | 42.90 3.14 -1.24 | 55.14 3.81 -1.12 | 40.80 2.87 -2.01 | 56.49 2.92 -20.09 | 51.57 2.29 -22.48 | 55.96 2.33 -25.99 | 32.58 2.14 -4.33 | 35.83 2.50 -3.49 | 40.26 2.84 -2.36 | 49.25 3.56 -1.60 | 65.32 4.70 -1.25 | 77.25 4.95 -0.26 | 56.49 3.12 -1.24 | 47.78 2.29 -0.30 | 46.06 1.87 -1.33 |
| NYPA_VERNON____GT3 24163 | 32.77 1.38 -3.42 | 32.81 1.38 -3.21 | 38.84 1.61 -1.66 | 33.98 1.40 -3.25 | 32.10 1.37 -3.26 | 36.90 1.75 -2.17 | 32.43 1.97 -3.31 | 33.43 2.33 -3.13 | 36.21 2.55 -3.25 | 42.90 3.14 -1.24 | 55.14 3.81 -1.12 | 40.80 2.87 -2.01 | 56.49 2.92 -20.09 | 51.57 2.29 -22.48 | 55.96 2.33 -25.99 | 32.58 2.14 -4.33 | 35.83 2.50 -3.49 | 40.26 2.84 -2.36 | 49.25 3.56 -1.60 | 65.32 4.70 -1.25 | 77.25 4.95 -0.26 | 56.49 3.12 -1.24 | 47.78 2.29 -0.30 | 46.06 1.87 -1.33 |
| NYPA__ASTORIA_CC1 323568 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.60 3.09 0.00 | 53.95 3.74 0.00 | 38.74 2.81 0.00 | 50.86 2.89 -14.50 | 46.74 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.58 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.20 3.06 -0.01 | 47.42 2.22 0.00 | 44.68 1.82 0.00 |
| NYPA__ASTORIA_CC2 323569 | 29.31 1.34 0.00 | 29.58 1.36 0.00 | 37.15 1.58 0.00 | 30.70 1.37 0.00 | 28.82 1.34 0.00 | 34.70 1.72 0.00 | 29.09 1.94 0.00 | 30.27 2.30 0.00 | 33.52 2.51 -0.59 | 41.60 3.09 0.00 | 53.95 3.74 0.00 | 38.74 2.81 0.00 | 50.86 2.89 -14.50 | 46.74 2.27 -17.68 | 48.78 2.31 -18.83 | 28.91 2.11 -0.69 | 32.30 2.45 0.00 | 37.83 2.78 0.00 | 47.58 3.48 0.00 | 63.99 4.61 0.00 | 76.88 4.85 0.00 | 55.20 3.06 -0.01 | 47.42 2.22 0.00 | 44.68 1.82 0.00 |
| NYPA__HOLTSVILL 23794 | 30.71 1.48 -1.25 | 30.54 1.49 -0.83 | 37.14 1.58 0.01 | 30.73 1.41 0.01 | 28.87 1.40 0.01 | 34.93 1.79 -0.15 | 28.76 1.61 0.01 | 29.70 1.73 0.00 | 32.47 2.06 0.00 | 41.34 2.83 0.00 | 53.61 3.40 0.00 | 41.62 2.97 -2.72 | 39.59 3.03 -3.08 | 29.34 2.36 -0.18 | 30.22 2.33 -0.24 | 28.25 2.14 0.00 | 32.08 2.23 0.00 | 37.42 2.37 0.00 | 47.42 3.33 0.00 | 63.66 4.29 0.00 | 77.04 4.89 -0.12 | 55.41 3.28 0.01 | 48.25 2.63 -0.42 | 44.90 1.99 -0.06 |
| NYPA__HELLGATE_GT1 24158 | 29.11 1.14 0.00 | 29.39 1.17 0.00 | 36.88 1.31 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.48 0.00 | 28.89 1.74 0.00 | 30.06 2.09 0.01 | 32.70 2.29 0.01 | 41.33 2.83 0.01 | 53.61 3.40 0.00 | 38.48 2.56 0.00 | 36.13 2.66 0.01 | 28.88 2.09 0.01 | 29.77 2.13 0.01 | 28.05 1.94 0.01 | 32.13 2.29 0.00 | 37.62 2.57 0.00 | 47.33 3.24 0.00 | 63.73 4.35 0.00 | 76.44 4.41 0.00 | 54.87 2.73 -0.01 | 47.10 1.90 0.00 | 44.36 1.50 0.00 |
| NYPA__HELLGATE_GT2 24159 | 29.11 1.14 0.00 | 29.39 1.17 0.00 | 36.88 1.31 0.00 | 30.50 1.17 0.00 | 28.62 1.15 0.00 | 34.46 1.48 0.00 | 28.89 1.74 0.00 | 30.06 2.09 0.01 | 32.70 2.29 0.01 | 41.33 2.83 0.01 | 53.61 3.40 0.00 | 38.48 2.56 0.00 | 36.13 2.66 0.01 | 28.88 2.09 0.01 | 29.77 2.13 0.01 | 28.05 1.94 0.01 | 32.13 2.29 0.00 | 37.62 2.57 0.00 | 47.33 3.24 0.00 | 63.73 4.35 0.00 | 76.44 4.41 0.00 | 54.87 2.73 -0.01 | 47.10 1.90 0.00 | 44.36 1.50 0.00 |
| NYS_BARGE__HYD 23848 | 24.52 -2.67 0.78 | 22.35 -2.72 3.15 | 32.47 -3.11 0.00 | 26.42 -2.91 0.00 | 24.82 -2.65 0.00 | 28.01 -3.04 1.93 | 19.24 -2.46 5.45 | 20.42 -2.66 4.90 | 22.32 -2.53 5.56 | 28.14 -3.04 7.33 | 37.20 -4.06 8.95 | 26.42 -2.56 6.94 | 23.86 -2.64 6.97 | 23.02 -2.18 1.60 | 25.68 -1.96 0.00 | 24.16 -1.95 0.00 | 27.19 -2.25 0.42 | 26.07 -2.66 6.33 | 32.13 -3.16 8.80 | 44.67 -4.34 10.36 | 57.78 -5.04 9.21 | 48.20 -3.41 0.53 | 42.78 -2.42 0.00 | 40.98 -1.88 0.00 |

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| OAK ORCHARD___HYD 24046 | 26.64 -1.34 0.00 | 26.87 -1.35 0.00 | 34.01 -1.56 0.00 | 27.82 -1.52 0.00 | 26.11 -1.37 0.00 | 31.51 -1.47 0.00 | 26.06 -1.09 0.00 | 26.77 -1.20 0.00 | 29.32 -1.10 0.00 | 37.20 -1.31 0.00 | 48.38 -1.83 0.00 | 34.85 -1.07 0.00 | 32.26 -1.22 0.00 | 25.79 -1.01 0.00 | 26.78 -0.86 0.00 | 25.26 -0.85 0.00 | 28.88 -0.97 0.00 | 33.99 -1.06 0.00 | 42.88 -1.21 0.00 | 57.72 -1.66 0.00 | 70.07 -1.97 0.00 | 50.78 -1.35 0.00 | 44.25 -0.95 0.00 | 42.07 -0.78 0.00 |
| OAKDALE__35_KV_LOAD 356122 | 27.43 -0.54 0.00 | 27.68 -0.53 0.00 | 34.95 -0.62 0.00 | 28.78 -0.56 0.00 | 26.98 -0.49 0.00 | 32.49 -0.49 0.00 | 26.95 -0.21 0.00 | 27.76 -0.21 0.00 | 30.21 -0.21 0.00 | 38.23 -0.28 0.00 | 49.77 -0.44 0.00 | 35.68 -0.24 0.00 | 33.27 -0.21 0.00 | 26.51 -0.29 0.00 | 27.37 -0.28 0.00 | 25.81 -0.30 0.00 | 29.61 -0.24 0.00 | 34.91 -0.14 0.00 | 44.06 -0.04 0.00 | 59.19 -0.19 0.00 | 71.68 -0.35 0.00 | 51.75 -0.39 0.00 | 44.79 -0.40 0.00 | 42.52 -0.34 0.00 |
| OCC_CHEM___DRP 24175 | 24.45 -2.78 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.31 -3.02 0.00 | 24.70 -2.77 0.00 | 27.91 -3.26 1.82 | 19.27 -2.76 5.12 | 20.36 -3.00 4.61 | 22.28 -2.90 5.24 | 28.14 -3.47 6.90 | 37.22 -4.56 8.43 | 26.46 -2.93 6.54 | 23.90 -3.02 6.56 | 22.95 -2.35 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.00 -2.45 0.39 | 26.00 -3.10 5.96 | 32.10 -3.71 8.28 | 44.52 -5.10 9.76 | 57.52 -5.84 8.67 | 47.83 -3.81 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| OH_GEN_PROXY 24063 | 24.63 -2.66 0.68 | 22.82 -2.67 2.73 | 32.49 -3.08 0.00 | 26.43 -2.90 0.00 | 24.81 -2.67 0.00 | 28.29 -3.01 1.67 | 19.97 -2.46 4.72 | 21.07 -2.66 4.24 | 23.05 -2.55 4.81 | 29.13 -3.04 6.34 | 38.44 -4.03 7.75 | 27.37 -2.54 6.01 | 24.88 -2.56 6.03 | 23.26 -2.17 1.38 | 25.68 -1.96 0.00 | 24.16 -1.95 0.00 | 27.21 -2.28 0.36 | 26.89 -2.69 5.48 | 33.25 -3.23 7.61 | 45.96 -4.45 8.97 | 58.89 -5.18 7.97 | 48.17 -3.51 0.46 | 41.99 -2.56 0.64 | 40.73 -2.13 0.00 |
| OLIN_CORP_DRP 24177 | 24.28 -2.97 0.72 | 22.31 -3.02 2.89 | 32.10 -3.47 0.00 | 26.13 -3.20 0.00 | 24.54 -2.93 0.00 | 27.76 -3.44 1.77 | 19.32 -2.83 5.01 | 20.42 -3.06 4.49 | 22.35 -2.97 5.11 | 28.22 -3.57 6.73 | 37.28 -4.72 8.22 | 26.51 -3.04 6.37 | 23.95 -3.13 6.40 | 22.82 -2.52 1.46 | 25.36 -2.28 0.00 | 23.85 -2.26 0.00 | 26.84 -2.63 0.38 | 26.07 -3.17 5.81 | 32.22 -3.80 8.08 | 44.67 -5.20 9.51 | 57.53 -6.05 8.45 | 47.55 -4.10 0.48 | 42.24 -2.96 0.00 | 40.53 -2.32 0.00 |
| OLIN_CORP_DSASP 323712 | 24.45 -2.79 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.32 -3.02 0.00 | 24.71 -2.77 0.00 | 27.95 -3.21 1.82 | 19.30 -2.73 5.12 | 20.40 -2.96 4.61 | 22.32 -2.86 5.24 | 28.19 -3.42 6.90 | 37.26 -4.52 8.43 | 26.51 -2.88 6.54 | 24.02 -2.90 6.56 | 22.98 -2.32 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.03 -2.43 0.39 | 26.04 -3.05 5.96 | 32.12 -3.69 8.28 | 44.53 -5.09 9.76 | 57.52 -5.85 8.67 | 47.84 -3.80 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| ONEIDA_HERK_LFGE 323681 | 27.91 -0.06 0.00 | 28.07 -0.15 0.00 | 35.91 -0.30 -0.64 | 29.45 -0.26 -0.38 | 28.28 -0.21 -1.02 | 33.81 -0.16 -0.99 | 28.33 0.08 -1.10 | 29.14 0.08 -1.10 | 31.38 0.21 -0.76 | 39.47 0.52 -0.44 | 50.49 0.28 0.00 | 35.80 -0.12 0.00 | 33.22 -0.25 0.00 | 26.60 -0.20 0.00 | 27.44 -0.21 0.00 | 25.92 -0.19 0.00 | 29.77 -0.08 0.00 | 35.15 0.09 0.00 | 44.58 0.38 -0.10 | 61.71 0.59 -1.75 | 73.36 1.16 -0.17 | 52.67 0.53 0.00 | 45.67 0.48 0.00 | 43.19 0.33 0.00 |
| ONEIDA___115KV_TB4 55905 | 28.24 0.27 0.00 | 28.47 0.24 0.00 | 35.84 0.26 0.00 | 29.54 0.21 0.00 | 27.70 0.22 0.00 | 33.33 0.35 0.00 | 27.66 0.51 0.00 | 28.50 0.53 0.00 | 31.08 0.66 0.00 | 39.40 0.89 0.00 | 51.02 0.82 0.00 | 36.32 0.40 0.00 | 33.80 0.32 0.00 | 27.00 0.20 0.00 | 27.86 0.21 0.00 | 26.34 0.23 0.00 | 30.29 0.44 0.00 | 35.78 0.73 0.00 | 45.22 1.13 0.00 | 60.87 1.50 0.00 | 73.76 1.73 0.00 | 53.15 1.02 0.00 | 46.00 0.80 0.00 | 43.57 0.71 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 27.70 -0.27 0.00 | 27.93 -0.28 0.00 | 35.24 -0.34 0.00 | 29.02 -0.31 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.12 0.00 | 27.80 -0.17 0.00 | 30.25 -0.16 0.00 | 38.28 -0.23 0.00 | 49.74 -0.47 0.00 | 35.63 -0.29 0.00 | 33.17 -0.31 0.00 | 26.52 -0.28 0.00 | 27.35 -0.30 0.00 | 25.87 -0.24 0.00 | 29.66 -0.20 0.00 | 34.90 -0.15 0.00 | 44.01 -0.08 0.00 | 59.23 -0.15 0.00 | 71.70 -0.33 0.00 | 51.88 -0.25 0.00 | 44.97 -0.22 0.00 | 42.71 -0.15 0.00 |
| ONONDAGA___COGEN 23986 | 27.70 -0.27 0.00 | 27.94 -0.28 0.00 | 35.24 -0.33 0.00 | 29.02 -0.32 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.13 0.00 | 27.76 -0.21 0.00 | 30.19 -0.22 0.00 | 38.21 -0.30 0.00 | 49.65 -0.56 0.00 | 35.56 -0.36 0.00 | 33.11 -0.37 0.00 | 26.49 -0.31 0.00 | 27.30 -0.34 0.00 | 25.83 -0.28 0.00 | 29.60 -0.25 0.00 | 34.83 -0.22 0.00 | 43.91 -0.18 0.00 | 59.09 -0.29 0.00 | 71.56 -0.47 0.00 | 51.79 -0.34 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |
| ONTARIO___LFGE 23819 | 27.54 -0.91 -0.48 | 29.23 -0.92 -1.92 | 34.51 -1.06 0.00 | 28.34 -0.99 0.00 | 26.59 -0.88 0.00 | 33.25 -0.91 -1.18 | 30.00 -0.48 -3.33 | 30.46 -0.48 -2.97 | 42.34 -0.62 -3.38 | 54.48 -1.17 -5.44 | 39.47 -0.68 -4.22 | 36.97 -0.75 -4.24 | 27.04 -0.73 -0.97 | 26.94 -0.70 0.00 | 25.40 -0.71 0.00 | 29.49 -0.61 -0.25 | 38.37 -0.51 -3.84 | 48.99 -0.44 -5.33 | 64.79 -0.87 -6.28 | 76.42 -1.19 -5.58 | 51.70 -0.76 -0.32 | 44.62 -0.58 0.00 | 42.39 -0.46 0.00 | |
| ORANGEVILLE_WT_PWR 323706 | 19.67 -3.10 5.20 | 4.17 -3.12 20.93 | 32.00 -3.58 0.00 | 26.14 -3.20 0.00 | 24.56 -2.91 0.00 | 16.66 -3.48 12.83 | -11.72 -2.66 36.22 | -7.08 -2.77 32.29 | -9.02 -2.71 36.73 | -13.36 -3.49 48.38 | -13.62 -4.72 59.11 | -13.25 -3.34 45.84 | -15.78 -3.22 46.04 | 13.41 -2.86 10.53 | 24.98 -2.67 0.00 | 23.45 -2.66 0.00 | 24.26 -2.84 2.75 | -9.83 -3.14 41.74 | -17.39 -3.43 58.05 | -14.02 -5.04 68.35 | 5.37 -5.91 60.75 | 44.37 -4.28 3.48 | 41.88 -3.32 0.00 | 40.05 -2.80 0.00 |
| ORANGEVILLE___ESR 323794 | 19.67 -3.10 5.20 | 4.17 -3.12 20.93 | 32.00 -3.58 0.00 | 26.14 -3.20 0.00 | 24.56 -2.91 0.00 | 16.66 -3.48 12.83 | -11.72 -2.66 36.22 | -7.08 -2.77 32.29 | -9.02 -2.71 36.73 | -13.36 -3.49 48.38 | -13.62 -4.72 59.11 | -13.25 -3.34 45.84 | -15.78 -3.22 46.04 | 13.41 -2.86 10.53 | 24.98 -2.67 0.00 | 23.45 -2.66 0.00 | 24.26 -2.84 2.75 | -9.83 -3.14 41.74 | -17.39 -3.43 58.05 | -14.02 -5.04 68.35 | 5.37 -5.91 60.75 | 44.37 -4.28 3.48 | 41.88 -3.32 0.00 | 40.05 -2.80 0.00 |
| OSWEGATCHIE___HYD 24044 | 26.96 -1.01 0.00 | 27.02 -1.19 0.00 | 37.05 -1.60 -3.08 | 29.77 -1.39 -1.83 | 31.07 -1.32 -4.92 | 36.26 -1.44 -4.72 | 31.38 -1.04 -5.27 | 32.20 -1.01 -5.23 | 33.07 -0.98 -3.63 | 39.78 -0.84 -2.11 | 48.88 -1.33 0.00 | 34.58 -1.35 0.00 | 31.89 -1.59 0.00 | 25.63 -1.17 0.00 | 26.46 -1.19 0.00 | 24.96 -1.15 0.00 | 28.50 -1.35 0.00 | 33.49 -1.56 0.00 | 42.88 -1.71 -0.50 | 65.59 -2.12 -8.34 | 71.72 -1.13 -0.81 | 51.12 -1.02 0.00 | 44.57 -0.63 0.00 | 42.15 -0.71 0.00 |
| OSWEGO___5 23606 | 27.31 -0.66 0.00 | 27.56 -0.66 0.00 | 34.75 -0.82 0.00 | 28.63 -0.71 0.00 | 26.84 -0.64 0.00 | 32.21 -0.77 0.00 | 26.56 -0.59 0.00 | 27.28 -0.69 0.00 | 29.67 -0.75 0.00 | 37.55 -0.97 0.00 | 48.84 -1.37 0.00 | 34.96 -0.96 0.00 | 32.57 -0.91 0.00 | 26.09 -0.71 0.00 | 26.92 -0.72 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.21 -0.84 0.00 | 43.07 -1.02 0.00 | 57.97 -1.41 0.00 | 70.24 -1.79 0.00 | 50.91 -1.23 0.00 | 44.21 -0.98 0.00 | 42.01 -0.85 0.00 |

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| OSWEGO___6 23613 | 27.31 -0.66 0.00 | 27.56 -0.66 0.00 | 34.75 -0.82 0.00 | 28.63 -0.71 0.00 | 26.84 -0.64 0.00 | 32.21 -0.77 0.00 | 26.56 -0.59 0.00 | 27.28 -0.69 0.00 | 29.67 -0.75 0.00 | 37.55 -0.97 0.00 | 48.84 -1.37 0.00 | 34.96 -0.96 0.00 | 32.57 -0.91 0.00 | 26.09 -0.71 0.00 | 26.92 -0.72 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.21 -0.84 0.00 | 43.07 -1.02 0.00 | 57.97 -1.41 0.00 | 70.24 -1.79 0.00 | 50.91 -1.23 0.00 | 44.21 -0.98 0.00 | 42.01 -0.85 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 24.85 -2.42 0.70 | 22.95 -2.45 2.82 | 32.83 -2.75 0.00 | 26.69 -2.64 0.00 | 25.05 -2.42 0.00 | 28.48 -2.78 1.73 | 20.04 -2.24 4.87 | 21.13 -2.44 4.40 | 23.15 -2.27 5.00 | 29.23 -2.69 6.59 | 38.62 -3.54 8.05 | 27.45 -2.23 6.24 | 24.85 -2.35 6.27 | 23.48 -1.89 1.43 | 26.04 -1.60 0.00 | 24.50 -1.61 0.00 | 27.58 -1.90 0.37 | 27.03 -2.34 5.69 | 33.47 -2.71 7.91 | 46.32 -3.74 9.32 | 59.49 -4.25 8.29 | 48.86 -2.80 0.47 | 43.26 -1.93 0.00 | 41.39 -1.47 0.00 |
| OXBOW___BTM 323836 | 24.63 -2.63 0.72 | 22.66 -2.67 2.89 | 32.56 -3.01 0.00 | 26.47 -2.86 0.00 | 24.85 -2.63 0.00 | 28.21 -3.00 1.77 | 19.67 -2.49 5.00 | 20.76 -2.71 4.50 | 22.74 -2.56 5.12 | 28.72 -3.05 6.74 | 37.94 -4.04 8.24 | 26.99 -2.54 6.39 | 24.48 -2.58 6.42 | 23.23 -2.10 1.47 | 25.81 -1.84 0.00 | 24.27 -1.84 0.00 | 27.29 -2.18 0.38 | 26.54 -2.69 5.82 | 32.77 -3.22 8.10 | 45.40 -4.44 9.53 | 58.46 -5.10 8.47 | 48.31 -3.34 0.48 | 42.83 -2.37 0.00 | 40.96 -1.89 0.00 |
| OXBOW____ 24026 | 24.63 -2.63 0.72 | 22.66 -2.67 2.89 | 32.57 -3.01 0.00 | 26.46 -2.87 0.00 | 24.85 -2.62 0.00 | 28.17 -3.04 1.77 | 19.64 -2.52 5.00 | 20.73 -2.75 4.50 | 22.70 -2.60 5.12 | 28.67 -3.10 6.74 | 37.89 -4.08 8.24 | 26.94 -2.60 6.39 | 24.36 -2.71 6.42 | 23.20 -2.13 1.47 | 25.80 -1.84 0.00 | 24.27 -1.84 0.00 | 27.27 -2.20 0.38 | 26.48 -2.75 5.82 | 32.76 -3.23 8.10 | 45.38 -4.46 9.53 | 58.45 -5.11 8.47 | 48.30 -3.35 0.48 | 42.83 -2.37 0.00 | 40.96 -1.89 0.00 |
| OXY_CHEM_DSASP 323612 | 24.45 -2.78 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.31 -3.02 0.00 | 24.70 -2.77 0.00 | 27.91 -3.26 1.82 | 19.27 -2.76 5.12 | 20.36 -3.00 4.61 | 22.28 -2.90 5.24 | 28.14 -3.47 6.90 | 37.22 -4.56 8.43 | 26.46 -2.93 6.54 | 23.90 -3.02 6.56 | 22.95 -2.35 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.00 -2.45 0.39 | 26.00 -3.10 5.96 | 32.10 -3.71 8.28 | 44.52 -5.10 9.76 | 57.52 -5.84 8.67 | 47.83 -3.81 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| OZONE_PARK_ESR 323760 | 29.43 1.46 0.00 | 29.69 1.47 0.00 | 37.30 1.73 0.00 | 30.83 1.50 0.00 | 28.91 1.44 0.00 | 34.83 1.85 0.00 | 29.21 2.05 0.00 | 30.40 2.43 0.00 | 33.06 2.65 0.00 | 41.79 3.28 0.00 | 54.25 4.04 0.00 | 38.94 3.02 0.00 | 36.54 3.06 0.00 | 29.16 2.37 0.00 | 30.06 2.42 0.00 | 28.33 2.22 0.00 | 32.45 2.60 0.00 | 38.06 3.01 0.00 | 47.91 3.82 0.00 | 64.40 5.02 0.00 | 77.35 5.32 0.00 | 55.53 3.39 0.00 | 47.71 2.51 0.00 | 44.95 2.09 0.00 |
| PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013 | 24.45 -2.78 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.31 -3.02 0.00 | 24.70 -2.77 0.00 | 27.91 -3.26 1.82 | 19.27 -2.76 5.12 | 20.36 -3.00 4.61 | 22.28 -2.90 5.24 | 28.14 -3.47 6.90 | 37.22 -4.56 8.43 | 26.46 -2.93 6.54 | 23.90 -3.02 6.56 | 22.95 -2.35 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.00 -2.45 0.39 | 26.00 -3.10 5.96 | 32.10 -3.71 8.28 | 44.52 -5.10 9.76 | 57.52 -5.84 8.67 | 47.83 -3.81 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| PACKARD___115KV_DUPONT_184 80571 | 24.45 -2.78 0.74 | 22.43 -2.83 2.96 | 32.38 -3.19 0.00 | 26.31 -3.02 0.00 | 24.70 -2.77 0.00 | 27.91 -3.26 1.82 | 19.27 -2.76 5.12 | 20.36 -3.00 4.61 | 22.28 -2.90 5.24 | 28.14 -3.47 6.90 | 37.22 -4.56 8.43 | 26.46 -2.93 6.54 | 23.90 -3.02 6.56 | 22.95 -2.35 1.50 | 25.59 -2.06 0.00 | 24.08 -2.03 0.00 | 27.00 -2.45 0.39 | 26.00 -3.10 5.96 | 32.10 -3.71 8.28 | 44.52 -5.10 9.76 | 57.52 -5.84 8.67 | 47.83 -3.81 0.50 | 42.47 -2.72 0.00 | 40.63 -2.23 0.00 |
| PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007 | 29.17 1.20 0.00 | 29.45 1.23 0.00 | 36.97 1.40 0.00 | 30.56 1.23 0.00 | 28.68 1.21 0.00 | 34.53 1.55 0.00 | 28.95 1.80 0.00 | 30.12 2.15 0.00 | 32.76 2.35 0.01 | 41.42 2.91 0.00 | 53.71 3.50 0.00 | 38.56 2.63 0.00 | 36.21 2.74 0.01 | 28.94 2.15 0.01 | 29.82 2.19 0.01 | 28.09 1.99 0.01 | 32.18 2.33 0.00 | 37.71 2.66 0.00 | 47.44 3.35 0.00 | 63.86 4.48 0.00 | 76.62 4.59 0.00 | 55.01 2.87 -0.01 | 47.20 2.01 0.00 | 44.47 1.61 0.00 |
| PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019 | 29.18 1.21 0.00 | 29.50 1.28 0.00 | 37.01 1.44 0.00 | 30.63 1.30 0.00 | 28.73 1.26 0.00 | 34.60 1.62 0.00 | 29.05 1.90 0.00 | 30.22 2.25 0.00 | 32.78 2.37 0.01 | 41.42 2.91 0.00 | 53.72 3.51 0.00 | 38.56 2.64 0.00 | 36.22 2.75 0.01 | 28.94 2.15 0.01 | 29.83 2.19 0.01 | 28.09 1.99 0.01 | 32.18 2.33 0.00 | 37.71 2.66 0.00 | 47.44 3.35 0.00 | 63.87 4.49 0.00 | 76.63 4.60 0.00 | 55.02 2.88 -0.01 | 47.21 2.01 0.00 | 44.47 1.61 0.00 |
| PATROON___115KV_TB1 80586 | 28.65 0.68 0.00 | 28.90 0.68 0.00 | 36.36 0.79 0.00 | 30.05 0.72 0.00 | 28.20 0.72 0.00 | 33.85 0.88 0.00 | 28.26 1.10 0.00 | 28.93 0.95 0.00 | 31.17 0.76 0.00 | 39.44 0.93 0.00 | 51.30 1.09 0.00 | 36.60 0.68 0.00 | 34.25 0.77 0.00 | 27.40 0.60 0.00 | 28.30 0.65 0.00 | 26.88 0.77 0.00 | 30.93 1.08 0.00 | 36.34 1.28 0.00 | 45.60 1.51 0.00 | 61.42 2.04 0.00 | 73.85 1.81 0.00 | 53.18 1.05 0.00 | 45.72 0.53 0.00 | 43.20 0.34 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 28.79 0.82 0.00 | 29.06 0.84 0.00 | 36.61 1.04 0.00 | 30.22 0.89 0.00 | 28.32 0.85 0.00 | 34.00 1.02 0.00 | 28.28 1.13 0.00 | 29.10 1.12 0.00 | 31.56 1.14 0.00 | 40.00 1.49 0.00 | 52.00 1.79 0.00 | 36.87 0.95 0.00 | 34.44 0.96 0.00 | 27.37 0.57 0.00 | 28.15 0.50 0.00 | 26.71 0.60 0.00 | 30.71 0.86 0.00 | 36.42 1.37 0.00 | 45.87 1.78 0.00 | 61.91 2.54 0.00 | 74.79 2.76 0.00 | 53.96 1.82 0.00 | 46.55 1.36 0.00 | 44.02 1.16 0.00 |
| PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030 | 25.27 -2.20 0.51 | 23.95 -2.22 2.05 | 33.13 -2.45 0.00 | 26.98 -2.35 0.00 | 25.32 -2.16 0.00 | 29.31 -2.42 1.26 | 21.70 -1.94 3.52 | 22.97 -2.03 2.97 | 25.16 -1.88 3.37 | 31.82 -2.25 4.45 | 41.80 -2.98 5.43 | 29.85 -1.86 4.21 | 27.32 -1.93 4.23 | 24.24 -1.59 0.97 | 26.31 -1.34 0.00 | 24.73 -1.37 0.00 | 28.00 -1.60 0.25 | 29.29 -1.92 3.84 | 36.54 -2.21 5.35 | 49.96 -3.12 6.29 | 62.96 -3.48 5.59 | 49.56 -2.26 0.32 | 43.63 -1.56 0.00 | 41.62 -1.23 0.00 |
| PAWLING_I15_KV_BK3_REV_LBMP_H 345028 | 29.29 1.32 0.00 | 29.56 1.34 0.00 | 37.14 1.57 0.00 | 30.70 1.37 0.00 | 28.81 1.33 0.00 | 34.67 1.69 0.00 | 29.05 1.89 0.00 | 30.19 2.22 0.00 | 32.78 2.36 0.00 | 41.45 2.94 0.00 | 53.84 3.63 0.00 | 38.59 2.67 0.00 | 36.12 2.64 0.00 | 28.81 2.02 0.00 | 29.68 2.04 0.00 | 27.98 1.87 0.00 | 32.09 2.24 0.00 | 37.71 2.66 0.00 | 47.51 3.41 0.00 | 63.93 4.55 0.00 | 76.82 4.79 0.00 | 55.17 3.04 0.00 | 47.34 2.15 0.00 | 44.61 1.75 0.00 |
| PEEKSKILL____ 23653 | 28.93 0.96 0.00 | 29.19 0.98 0.00 | 36.70 1.12 0.00 | 30.33 1.00 0.00 | 28.46 0.98 0.00 | 34.24 1.26 0.00 | 28.66 1.51 0.00 | 29.77 1.80 0.00 | 32.34 1.92 0.00 | 40.90 2.39 0.00 | 53.11 2.90 0.00 | 38.08 2.16 0.00 | 35.68 2.20 0.00 | 28.51 1.71 0.00 | 29.36 1.71 0.00 | 27.71 1.60 0.00 | 31.77 1.92 0.00 | 37.28 2.23 0.00 | 46.92 2.83 0.00 | 63.09 3.72 0.00 | 75.78 3.75 0.00 | 54.46 2.32 0.00 | 46.79 1.59 0.00 | 44.12 1.27 0.00 |

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| PGE MADISON___WINDPWR 24146 | 27.65 -0.49 -0.18 | 28.34 -0.59 -0.72 | 34.84 -0.73 0.00 | 28.72 -0.61 0.00 | 26.91 -0.56 0.00 | 33.01 -0.41 -0.44 | 28.59 0.19 -1.25 | 29.42 0.33 -1.12 | 32.15 0.46 -1.27 | 40.81 0.63 -1.67 | 52.94 0.69 -2.04 | 38.46 0.95 -1.58 | 36.07 1.00 -1.59 | 27.17 0.01 -0.36 | 27.19 -0.45 0.00 | 25.97 -0.14 0.00 | 30.07 0.12 -0.09 | 37.18 0.68 -1.45 | 47.62 1.52 -2.01 | 64.16 2.41 -2.37 | 76.64 2.50 -2.11 | 53.58 1.33 -0.12 | 45.46 0.26 0.00 | 43.08 0.22 0.00 |
| PIERCEFIELD___HYD 23852 | 27.34 -0.63 0.00 | 27.45 -0.77 0.00 | 39.16 -0.93 -4.52 | 31.15 -0.86 -2.68 | 33.83 -0.87 -7.24 | 38.98 -0.94 -6.94 | 34.15 -0.74 -7.74 | 35.02 -0.64 -7.68 | 35.10 -0.65 -5.33 | 40.93 -0.67 -3.10 | 49.59 -0.62 0.00 | 35.36 -0.56 0.00 | 32.74 -0.73 0.00 | 26.26 -0.54 0.00 | 27.09 -0.55 0.00 | 25.49 -0.62 0.00 | 28.95 -0.90 0.00 | 33.84 -1.21 0.00 | 43.35 -1.47 -0.73 | 69.77 -1.85 -12.25 | 72.57 -0.66 -1.20 | 51.82 -0.32 0.00 | 45.18 -0.02 0.00 | 42.82 -0.04 0.00 |
| PINELAWN_CC_1 323563 | 32.79 1.58 -3.24 | 32.00 1.62 -2.16 | 37.34 1.77 0.00 | 30.86 1.52 0.00 | 28.96 1.49 0.00 | 35.31 1.92 -0.41 | 28.93 1.78 0.00 | 29.91 1.94 0.00 | 32.65 2.23 0.00 | 41.47 2.96 0.00 | 53.80 3.59 -5.14 | 44.05 2.98 -4.92 | 41.41 3.01 -0.40 | 29.50 2.30 -0.54 | 30.50 2.31 -0.54 | 28.24 2.12 0.00 | 32.07 2.22 0.00 | 37.52 2.47 0.00 | 47.54 3.45 0.00 | 63.82 4.45 0.00 | 77.22 4.94 -0.25 | 55.41 3.28 0.00 | 48.75 2.65 -0.90 | 45.05 2.06 -0.13 |
| PJM_GEN_HTP_PROXY 323702 | 29.20 1.23 0.00 | 29.47 1.26 0.00 | 37.02 1.45 0.00 | 30.62 1.28 0.00 | 28.71 1.24 0.00 | 34.73 1.59 -0.15 | 28.97 1.82 0.00 | 30.13 2.16 0.00 | 32.77 2.35 0.00 | 41.40 2.89 0.00 | 53.74 3.53 0.00 | 38.57 2.65 0.00 | 36.18 2.70 0.00 | 28.92 2.11 0.00 | 29.80 2.16 0.00 | 28.08 1.97 0.00 | 32.17 2.32 0.00 | 37.70 2.65 0.00 | 47.47 3.37 0.00 | 63.77 4.39 0.00 | 76.61 4.58 0.00 | 54.99 2.85 0.00 | 47.26 2.06 0.00 | 44.55 1.69 0.00 |
| PJM_GEN_KEystone 24065 | 27.39 -0.57 0.00 | 27.64 -0.58 0.00 | 34.91 -0.66 0.00 | 28.71 -0.62 0.00 | 26.93 -0.55 0.00 | 32.64 -0.49 -0.15 | 27.06 -0.10 0.00 | 27.97 0.00 0.00 | 30.52 0.10 0.00 | 38.66 0.14 0.00 | 50.27 0.06 0.00 | 36.13 0.20 0.00 | 33.76 0.29 0.00 | 26.91 0.12 0.00 | 27.77 0.13 0.00 | 26.16 0.05 0.00 | 30.00 0.15 0.00 | 35.27 0.22 0.00 | 44.44 0.34 0.00 | 59.67 0.29 0.00 | 72.07 0.04 0.00 | 52.01 -0.12 0.00 | 44.96 -0.24 0.00 | 42.61 -0.25 0.00 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 29.56 1.34 -0.25 | 29.78 1.40 -0.16 | 37.06 1.50 0.01 | 30.63 1.30 0.01 | 28.76 1.30 0.01 | 34.83 1.67 -0.18 | 28.75 1.61 0.01 | 29.74 1.77 0.00 | 32.43 2.01 0.00 | 41.14 2.63 0.00 | 53.40 3.19 -1.12 | 39.69 2.64 -1.86 | 37.99 2.65 -0.03 | 28.89 2.06 -0.04 | 29.81 2.12 0.00 | 28.00 1.89 0.00 | 31.88 2.03 0.00 | 37.29 2.24 0.00 | 47.18 3.09 0.00 | 63.32 3.95 0.00 | 76.33 4.27 -0.03 | 54.90 2.78 0.01 | 47.47 2.17 -0.10 | 44.55 1.69 -0.01 |
| PJM_GEN_VFT_PROXY 323633 | 29.07 1.10 0.00 | 29.32 1.10 0.00 | 36.84 1.27 0.00 | 30.46 1.13 0.00 | 28.57 1.10 0.00 | 34.55 1.42 -0.15 | 28.83 1.68 0.00 | 29.99 2.02 0.00 | 32.62 2.20 0.00 | 41.20 2.69 0.00 | 53.48 3.27 0.00 | 38.38 2.46 0.00 | 36.02 2.54 0.00 | 28.80 2.00 0.00 | 29.67 2.02 0.00 | 27.96 1.85 0.00 | 32.04 2.19 0.00 | 37.57 2.52 0.00 | 47.24 3.14 0.00 | 63.47 4.10 0.00 | 76.22 4.19 0.00 | 54.70 2.57 0.00 | 47.00 1.81 0.00 | 44.33 1.48 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 27.61 -0.36 0.00 | 27.80 -0.42 0.00 | 7.70 -0.62 27.25 | 12.53 -0.62 16.18 | -16.90 -0.72 43.65 | -47.80 -0.99 79.79 | -20.85 -0.75 47.25 | -20.88 -0.66 48.19 | -3.58 -0.53 33.47 | 18.58 -0.51 19.42 | 50.65 0.44 0.00 | 36.28 0.36 0.00 | 33.54 0.06 0.00 | 26.90 0.10 0.00 | 27.68 0.04 0.00 | 26.04 -0.07 0.00 | 29.53 -0.32 0.00 | 34.43 -0.63 0.00 | 38.46 -0.93 4.70 | -20.39 -1.32 78.45 | 64.28 -0.46 7.29 | 52.29 0.16 0.00 | 45.75 0.55 0.00 | 43.32 0.46 0.00 |
| PLEASANTVLY___LBMP 24000 | 28.96 0.99 0.00 | 29.23 1.02 0.00 | 36.74 1.17 0.00 | 30.38 1.05 0.00 | 28.49 1.02 0.00 | 34.28 1.30 0.00 | 28.67 1.52 0.00 | 29.76 1.79 0.00 | 32.32 1.90 0.00 | 40.87 2.36 0.00 | 53.09 2.88 0.00 | 38.04 2.11 0.00 | 35.63 2.15 0.00 | 28.48 1.68 0.00 | 29.35 1.70 0.00 | 27.64 1.53 0.00 | 31.69 1.84 0.00 | 37.20 2.15 0.00 | 46.81 2.72 0.00 | 62.99 3.62 0.00 | 75.70 3.67 0.00 | 54.40 2.27 0.00 | 46.73 1.54 0.00 | 44.07 1.22 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 29.12 1.15 0.00 | 29.40 1.18 0.00 | 36.95 1.37 0.00 | 30.53 1.20 0.00 | 28.64 1.17 0.00 | 34.47 1.50 0.00 | 28.86 1.71 0.00 | 29.99 2.02 0.00 | 32.60 2.18 0.00 | 41.21 2.71 0.00 | 53.53 3.32 0.00 | 38.38 2.46 0.00 | 35.97 2.49 0.00 | 28.72 1.93 0.00 | 29.60 1.96 0.00 | 27.89 1.78 0.00 | 31.98 2.13 0.00 | 37.51 2.46 0.00 | 47.22 3.13 0.00 | 63.51 4.14 0.00 | 76.32 4.28 0.00 | 54.81 2.68 0.00 | 47.10 1.90 0.00 | 44.39 1.54 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 29.12 1.15 0.00 | 29.40 1.18 0.00 | 36.95 1.37 0.00 | 30.53 1.20 0.00 | 28.64 1.17 0.00 | 34.47 1.50 0.00 | 28.86 1.71 0.00 | 29.99 2.02 0.00 | 32.60 2.18 0.00 | 41.21 2.71 0.00 | 53.53 3.32 0.00 | 38.38 2.46 0.00 | 35.97 2.49 0.00 | 28.72 1.93 0.00 | 29.60 1.96 0.00 | 27.89 1.78 0.00 | 31.98 2.13 0.00 | 37.51 2.46 0.00 | 47.22 3.13 0.00 | 63.51 4.14 0.00 | 76.32 4.28 0.00 | 54.81 2.68 0.00 | 47.10 1.90 0.00 | 44.39 1.54 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 29.16 1.19 0.00 | 29.43 1.21 0.00 | 36.98 1.41 0.00 | 30.58 1.24 0.00 | 28.68 1.21 0.00 | 34.50 1.53 0.00 | 28.88 1.73 0.00 | 29.96 1.99 0.00 | 32.57 2.15 0.00 | 41.18 2.68 0.00 | 53.51 3.30 0.00 | 38.32 2.40 0.00 | 35.86 2.38 0.00 | 28.61 1.81 0.00 | 29.47 1.83 0.00 | 27.77 1.66 0.00 | 31.87 2.02 0.00 | 37.49 2.44 0.00 | 47.21 3.12 0.00 | 63.55 4.18 0.00 | 76.39 4.36 0.00 | 54.85 2.72 0.00 | 47.11 1.92 0.00 | 44.39 1.54 0.00 |
| POLETTI___ 23519 | 29.18 1.21 0.00 | 29.45 1.23 0.00 | 36.99 1.42 0.00 | 30.59 1.25 0.00 | 28.69 1.21 0.00 | 34.55 1.57 0.00 | 28.96 1.80 0.00 | 30.12 2.15 0.00 | 32.76 2.35 0.00 | 41.40 2.89 0.00 | 53.74 3.53 0.00 | 38.58 2.66 0.00 | 36.21 2.73 0.00 | 28.93 2.13 0.00 | 29.81 2.17 0.00 | 28.09 1.98 0.00 | 32.18 2.33 0.00 | 37.71 2.66 0.00 | 47.44 3.35 0.00 | 63.76 4.39 0.00 | 76.56 4.53 0.00 | 54.97 2.84 0.00 | 47.23 2.04 0.00 | 44.53 1.67 0.00 |
| POMONA___ESR 323819 | 28.94 0.97 0.00 | 29.19 0.98 0.00 | 36.71 1.14 0.00 | 30.34 1.01 0.00 | 28.46 0.99 0.00 | 34.27 1.29 0.00 | 28.69 1.54 0.00 | 29.81 1.83 0.00 | 32.38 1.96 0.00 | 40.95 2.44 0.00 | 53.19 2.98 0.00 | 38.13 2.21 0.00 | 35.72 2.24 0.00 | 28.55 1.75 0.00 | 29.39 1.75 0.00 | 27.77 1.66 0.00 | 31.84 1.99 0.00 | 37.35 2.29 0.00 | 46.97 2.88 0.00 | 63.15 3.78 0.00 | 75.84 3.81 0.00 | 54.50 2.37 0.00 | 46.81 1.62 0.00 | 44.16 1.30 0.00 |
| PORT_JEFF_3 23555 | 30.81 1.55 -1.29 | 30.64 1.56 -0.86 | 37.23 1.66 0.01 | 30.79 1.47 0.01 | 28.93 1.46 0.01 | 35.00 1.87 -0.15 | 28.82 1.67 0.01 | 29.78 1.81 0.00 | 32.58 2.16 0.00 | 41.46 2.95 0.00 | 53.76 3.55 0.00 | 41.77 3.08 -2.77 | 39.74 3.14 -3.11 | 29.42 2.44 -0.18 | 30.30 2.41 -0.25 | 28.32 2.22 0.00 | 32.17 2.32 0.00 | 37.54 2.49 0.00 | 47.58 3.49 0.00 | 63.83 4.45 0.00 | 77.24 5.09 -0.12 | 55.59 3.46 0.01 | 48.39 2.77 -0.43 | 45.02 2.11 -0.06 |

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| PORT_JEFF_4 23616 | 30.81 1.55 -1.29 | 30.64 1.56 -0.86 | 37.23 1.66 0.01 | 30.79 1.47 0.01 | 28.93 1.46 0.01 | 35.00 1.87 -0.15 | 28.82 1.67 0.01 | 29.78 1.81 0.00 | 32.58 2.16 0.00 | 41.46 2.95 0.00 | 53.76 3.55 0.00 | 41.77 3.08 -2.77 | 39.74 3.14 -3.11 | 29.42 2.44 -0.18 | 30.30 2.41 -0.25 | 28.32 2.22 0.00 | 32.17 2.32 0.00 | 37.54 2.49 0.00 | 47.58 3.49 0.00 | 63.83 4.45 0.00 | 77.24 5.09 -0.12 | 55.59 3.46 0.01 | 48.39 2.77 -0.43 | 45.02 2.11 -0.06 |
| PORT_JEFF_IC 23713 | 30.87 1.54 -1.35 | 30.68 1.56 -0.90 | 37.22 1.65 0.01 | 30.79 1.46 0.01 | 28.91 1.45 0.01 | 35.02 1.87 -0.16 | 28.82 1.67 0.01 | 29.81 1.83 0.00 | 32.59 2.17 0.00 | 41.49 2.98 0.00 | 53.79 3.58 0.00 | 41.87 3.11 -2.84 | 39.82 3.17 -3.17 | 29.44 2.45 -0.19 | 30.32 2.42 -0.25 | 28.34 2.23 0.00 | 32.18 2.33 0.00 | 37.56 2.50 0.00 | 47.61 3.52 0.00 | 63.83 4.45 0.00 | 77.22 5.06 -0.12 | 55.63 3.50 0.01 | 48.43 2.79 -0.45 | 45.03 2.11 -0.06 |
| PPL PILGRIM_ST_GT1 24216 | 31.29 1.67 -1.64 | 31.02 1.71 -1.09 | 37.43 1.86 0.01 | 30.94 1.62 0.01 | 29.06 1.59 0.01 | 35.23 2.05 -0.20 | 28.99 1.85 0.01 | 30.00 2.03 0.00 | 32.76 2.34 0.00 | 41.65 3.14 0.00 | 54.02 3.81 0.00 | 42.33 3.26 -3.15 | 40.15 3.26 -3.41 | 29.51 2.50 -0.21 | 30.43 2.49 -0.29 | 28.41 2.30 0.00 | 32.27 2.42 0.00 | 37.69 2.64 0.00 | 47.78 3.69 0.00 | 64.02 4.64 0.00 | 77.38 5.21 -0.14 | 55.71 3.58 0.01 | 48.62 2.92 -0.51 | 45.21 2.28 -0.07 |
| PPL PILGRIM_ST_GT2 24217 | 31.29 1.67 -1.64 | 31.02 1.71 -1.09 | 37.43 1.86 0.01 | 30.94 1.62 0.01 | 29.06 1.59 0.01 | 35.23 2.05 -0.20 | 28.99 1.85 0.01 | 30.00 2.03 0.00 | 32.76 2.34 0.00 | 41.65 3.14 0.00 | 54.02 3.81 0.00 | 42.33 3.26 -3.15 | 40.15 3.26 -3.41 | 29.51 2.50 -0.21 | 30.43 2.49 -0.29 | 28.41 2.30 0.00 | 32.27 2.42 0.00 | 37.69 2.64 0.00 | 47.78 3.69 0.00 | 64.02 4.64 0.00 | 77.38 5.21 -0.14 | 55.71 3.58 0.01 | 48.62 2.92 -0.51 | 45.21 2.28 -0.07 |
| PPL_SHRM_GT3 24213 | 30.73 1.45 -1.31 | 30.49 1.40 -0.87 | 37.01 1.44 0.01 | 30.63 1.30 0.01 | 28.77 1.31 0.01 | 34.82 1.69 -0.16 | 28.58 1.43 0.01 | 29.48 1.50 0.00 | 32.32 1.90 0.00 | 41.25 2.74 0.00 | 53.46 3.25 0.00 | 41.60 2.88 -2.80 | 39.63 3.01 -3.13 | 29.37 2.38 -0.18 | 30.21 2.32 -0.25 | 28.23 2.11 0.00 | 32.04 2.20 0.00 | 37.34 2.29 0.00 | 47.35 3.26 0.00 | 63.64 4.27 0.00 | 77.22 5.06 -0.12 | 55.50 3.37 0.01 | 48.29 2.65 -0.44 | 44.87 1.96 -0.06 |
| PPL_SHRM_GT4 24214 | 30.73 1.45 -1.31 | 30.49 1.40 -0.87 | 37.01 1.44 0.01 | 30.63 1.30 0.01 | 28.77 1.31 0.01 | 34.82 1.69 -0.16 | 28.58 1.43 0.01 | 29.48 1.50 0.00 | 32.32 1.90 0.00 | 41.25 2.74 0.00 | 53.46 3.25 0.00 | 41.60 2.88 -2.80 | 39.63 3.01 -3.13 | 29.37 2.38 -0.18 | 30.21 2.32 -0.25 | 28.23 2.11 0.00 | 32.04 2.20 0.00 | 37.34 2.29 0.00 | 47.35 3.26 0.00 | 63.64 4.27 0.00 | 77.22 5.06 -0.12 | 55.50 3.37 0.01 | 48.29 2.65 -0.44 | 44.87 1.96 -0.06 |
| PROJECT___ORANGE 1 24174 | 27.58 -0.39 0.00 | 27.82 -0.39 0.00 | 35.10 -0.47 0.00 | 28.91 -0.43 0.00 | 27.10 -0.38 0.00 | 32.55 -0.43 0.00 | 26.91 -0.25 0.00 | 27.66 -0.32 0.00 | 30.10 -0.32 0.00 | 38.09 -0.42 0.00 | 49.49 -0.72 0.00 | 35.46 -0.46 0.00 | 33.02 -0.46 0.00 | 26.43 -0.37 0.00 | 27.26 -0.38 0.00 | 25.78 -0.34 0.00 | 29.53 -0.32 0.00 | 34.73 -0.32 0.00 | 43.77 -0.33 0.00 | 58.88 -0.49 0.00 | 71.28 -0.76 0.00 | 51.58 -0.55 0.00 | 44.76 -0.43 0.00 | 42.51 -0.35 0.00 |
| PROJECT___ORANGE 2 24166 | 27.58 -0.39 0.00 | 27.82 -0.39 0.00 | 35.10 -0.47 0.00 | 28.91 -0.43 0.00 | 27.10 -0.38 0.00 | 32.55 -0.43 0.00 | 26.91 -0.25 0.00 | 27.66 -0.32 0.00 | 30.10 -0.32 0.00 | 38.09 -0.42 0.00 | 49.49 -0.72 0.00 | 35.46 -0.46 0.00 | 33.02 -0.46 0.00 | 26.43 -0.37 0.00 | 27.26 -0.38 0.00 | 25.78 -0.34 0.00 | 29.53 -0.32 0.00 | 34.73 -0.32 0.00 | 43.77 -0.33 0.00 | 58.88 -0.49 0.00 | 71.28 -0.76 0.00 | 51.58 -0.55 0.00 | 44.76 -0.43 0.00 | 42.51 -0.35 0.00 |
| PUCKETT___SOLAR 323809 | 27.46 -0.50 0.00 | 27.68 -0.53 0.00 | 34.93 -0.64 0.00 | 28.77 -0.56 0.00 | 26.97 -0.50 0.00 | 32.52 -0.46 0.00 | 27.07 -0.08 0.00 | 27.93 -0.04 0.00 | 30.37 -0.05 0.00 | 38.42 -0.08 0.00 | 49.98 -0.23 0.00 | 35.88 -0.05 0.00 | 33.35 -0.13 0.00 | 26.45 -0.34 0.00 | 27.22 -0.42 0.00 | 25.64 -0.47 0.00 | 29.54 -0.31 0.00 | 34.99 -0.06 0.00 | 44.40 0.31 0.00 | 59.85 0.47 0.00 | 72.22 0.19 0.00 | 52.08 -0.05 0.00 | 44.90 -0.30 0.00 | 42.63 -0.23 0.00 |
| PYRITES___HYD 24023 | 28.16 0.19 0.00 | 28.26 0.04 0.00 | 39.74 0.10 -4.06 | 31.74 0.00 -2.41 | 33.91 -0.06 -6.50 | 39.31 0.10 -6.24 | 34.27 0.16 -6.95 | 35.15 0.28 -6.90 | 35.58 0.37 -4.79 | 41.84 0.55 -2.78 | 51.13 0.92 0.00 | 36.41 0.48 0.00 | 33.74 0.26 0.00 | 27.06 0.27 0.00 | 27.97 0.33 0.00 | 26.31 0.20 0.00 | 29.88 0.03 0.00 | 34.88 -0.17 0.00 | 44.63 -0.11 -0.65 | 70.28 -0.02 -10.92 | 74.64 1.54 -1.08 | 53.44 1.30 0.00 | 46.55 1.35 0.00 | 44.13 1.28 0.00 |
| QUAKERRD_115KV_BK1 80622 | 26.32 -1.65 0.00 | 26.56 -1.66 0.00 | 33.60 -1.98 0.00 | 27.52 -1.81 0.00 | 25.83 -1.64 0.00 | 31.12 -1.86 0.00 | 25.75 -1.40 0.00 | 26.45 -1.52 0.00 | 28.92 -1.50 0.00 | 36.68 -1.83 0.00 | 47.68 -2.53 0.00 | 34.30 -1.62 0.00 | 31.78 -1.70 0.00 | 25.41 -1.39 0.00 | 26.39 -1.26 0.00 | 24.90 -1.21 0.00 | 28.46 -1.39 0.00 | 33.48 -1.57 0.00 | 42.25 -1.84 0.00 | 56.86 -2.52 0.00 | 68.98 -3.05 0.00 | 49.99 -2.14 0.00 | 43.52 -1.67 0.00 | 41.37 -1.48 0.00 |
| QUEENSBRY_115KV_TB8 356137 | 29.41 1.44 0.00 | 29.66 1.44 0.00 | 37.38 1.80 0.00 | 30.78 1.45 0.00 | 28.79 1.31 0.00 | 34.46 1.48 0.00 | 28.52 1.37 0.00 | 29.42 1.45 0.00 | 32.14 1.72 0.00 | 40.75 2.24 0.00 | 52.91 2.70 0.00 | 37.45 1.52 0.00 | 34.94 1.46 0.00 | 27.84 1.04 0.00 | 28.56 0.92 0.00 | 26.90 0.79 0.00 | 30.99 1.14 0.00 | 36.91 1.86 0.00 | 46.61 2.52 0.00 | 62.84 3.46 0.00 | 75.51 3.48 0.00 | 54.32 2.18 0.00 | 46.44 1.24 0.00 | 43.78 0.92 0.00 |
| RAMAPO___LBMP 323565 | 28.82 0.85 0.00 | 29.08 0.86 0.00 | 36.56 0.99 0.00 | 30.21 0.88 0.00 | 28.35 0.87 0.00 | 34.10 1.12 0.00 | 28.54 1.39 0.00 | 29.64 1.67 0.00 | 32.18 1.77 0.00 | 40.71 2.20 0.00 | 52.87 2.66 0.00 | 37.90 1.97 0.00 | 35.51 2.03 0.00 | 28.38 1.59 0.00 | 29.23 1.58 0.00 | 27.59 1.48 0.00 | 31.64 1.79 0.00 | 37.15 2.09 0.00 | 46.73 2.64 0.00 | 62.81 3.43 0.00 | 75.46 3.42 0.00 | 54.24 2.10 0.00 | 46.59 1.39 0.00 | 43.96 1.10 0.00 |
| RANKINE____ 23646 | 25.09 -2.30 0.57 | 23.61 -2.31 2.31 | 33.00 -2.57 0.00 | 26.84 -2.49 0.00 | 25.18 -2.29 0.00 | 28.98 -2.58 1.41 | 21.13 -2.03 3.99 | 22.12 -2.19 3.66 | 24.25 -2.01 4.16 | 30.63 -2.40 5.48 | 40.35 -3.17 6.69 | 28.78 -1.96 5.19 | 26.20 -2.06 5.21 | 23.90 -1.71 1.19 | 26.17 -1.47 0.00 | 24.63 -1.48 0.00 | 27.84 -1.70 0.31 | 28.32 -2.01 4.73 | 35.22 -2.29 6.58 | 48.44 -3.19 7.75 | 61.56 -3.58 6.89 | 49.33 -2.41 0.39 | 43.54 -1.66 0.00 | 41.57 -1.29 0.00 |
| RAVENSWOOD_GT2_1 24244 | 29.23 1.26 0.00 | 29.49 1.27 0.00 | 37.05 1.48 0.00 | 30.62 1.29 0.00 | 28.73 1.26 0.00 | 34.59 1.61 0.00 | 28.99 1.83 0.00 | 30.15 2.18 0.00 | 32.79 2.37 0.00 | 41.44 2.93 0.00 | 53.79 3.58 0.00 | 38.60 2.68 0.00 | 36.22 2.74 0.00 | 28.94 2.14 0.00 | 29.82 2.18 0.00 | 28.10 1.99 0.00 | 32.18 2.33 0.00 | 37.73 2.68 0.00 | 47.48 3.39 0.00 | 63.82 4.44 0.00 | 76.66 4.63 0.00 | 55.04 2.91 0.00 | 47.29 2.10 0.00 | 44.57 1.72 0.00 |

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| RAVENSWOOD_GT2_2 24245 | 29.23 1.26 0.00 | 29.49 1.27 0.00 | 37.05 1.48 0.00 | 30.62 1.29 0.00 | 28.73 1.26 0.00 | 34.59 1.61 0.00 | 28.99 1.83 0.00 | 30.15 2.18 0.00 | 32.79 2.37 0.00 | 41.44 2.93 0.00 | 53.79 3.58 0.00 | 38.60 2.68 0.00 | 36.22 2.74 0.00 | 28.94 2.14 0.00 | 29.82 2.18 0.00 | 28.10 1.99 0.00 | 32.18 2.33 0.00 | 37.73 2.68 0.00 | 47.48 3.39 0.00 | 63.82 4.44 0.00 | 76.66 4.63 0.00 | 55.04 2.91 0.00 | 47.29 2.10 0.00 | 44.57 1.72 0.00 |
| RAVENSWOOD_GT2_3 24246 | 29.24 1.27 0.00 | 29.50 1.29 0.00 | 37.06 1.49 0.00 | 30.65 1.31 0.00 | 28.73 1.26 0.00 | 34.60 1.63 0.00 | 29.00 1.85 0.00 | 30.16 2.19 0.00 | 32.80 2.38 0.00 | 41.46 2.95 0.00 | 53.82 3.61 0.00 | 38.63 2.71 0.00 | 36.24 2.76 0.00 | 28.95 2.15 0.00 | 29.83 2.19 0.00 | 28.11 2.00 0.00 | 32.20 2.35 0.00 | 37.75 2.70 0.00 | 47.51 3.41 0.00 | 63.86 4.48 0.00 | 76.70 4.67 0.00 | 55.06 2.93 0.00 | 47.31 2.12 0.00 | 44.60 1.74 0.00 |
| RAVENSWOOD_GT2_4 24247 | 29.24 1.27 0.00 | 29.50 1.29 0.00 | 37.06 1.49 0.00 | 30.65 1.31 0.00 | 28.73 1.26 0.00 | 34.60 1.63 0.00 | 29.00 1.85 0.00 | 30.16 2.19 0.00 | 32.80 2.38 0.00 | 41.46 2.95 0.00 | 53.82 3.61 0.00 | 38.63 2.71 0.00 | 36.24 2.76 0.00 | 28.95 2.15 0.00 | 29.83 2.19 0.00 | 28.11 2.00 0.00 | 32.20 2.35 0.00 | 37.75 2.70 0.00 | 47.51 3.41 0.00 | 63.86 4.48 0.00 | 76.70 4.67 0.00 | 55.06 2.93 0.00 | 47.31 2.12 0.00 | 44.60 1.74 0.00 |
| RAVENSWOOD_GT3_1 24248 | 29.23 1.26 0.00 | 29.49 1.27 0.00 | 37.05 1.48 0.00 | 30.63 1.29 0.00 | 28.73 1.26 0.00 | 34.60 1.62 0.00 | 28.99 1.84 0.00 | 30.15 2.18 0.00 | 32.79 2.38 0.00 | 41.44 2.93 0.00 | 53.79 3.58 0.00 | 38.61 2.69 0.00 | 36.22 2.74 0.00 | 28.94 2.14 0.00 | 29.82 2.18 0.00 | 28.10 1.99 0.00 | 32.19 2.34 0.00 | 37.74 2.69 0.00 | 47.48 3.39 0.00 | 63.82 4.44 0.00 | 76.67 4.64 0.00 | 55.04 2.91 0.00 | 47.30 2.10 0.00 | 44.58 1.72 0.00 |
| RAVENSWOOD_GT3_2 24249 | 29.23 1.26 0.00 | 29.49 1.27 0.00 | 37.05 1.48 0.00 | 30.63 1.29 0.00 | 28.73 1.26 0.00 | 34.60 1.62 0.00 | 28.99 1.84 0.00 | 30.15 2.18 0.00 | 32.79 2.38 0.00 | 41.44 2.93 0.00 | 53.79 3.58 0.00 | 38.61 2.69 0.00 | 36.22 2.74 0.00 | 28.94 2.14 0.00 | 29.82 2.18 0.00 | 28.10 1.99 0.00 | 32.19 2.34 0.00 | 37.74 2.69 0.00 | 47.48 3.39 0.00 | 63.82 4.44 0.00 | 76.67 4.64 0.00 | 55.04 2.91 0.00 | 47.30 2.10 0.00 | 44.58 1.72 0.00 |
| RAVENSWOOD_GT3_3 24250 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.66 1.33 0.00 | 28.76 1.29 0.00 | 34.63 1.66 0.00 | 29.03 1.88 0.00 | 30.20 2.22 0.00 | 32.84 2.42 0.00 | 41.50 2.99 0.00 | 53.87 3.66 0.00 | 38.67 2.75 0.00 | 36.28 2.80 0.00 | 28.98 2.19 0.00 | 29.87 2.22 0.00 | 28.15 2.04 0.00 | 32.24 2.39 0.00 | 37.79 2.74 0.00 | 47.56 3.47 0.00 | 63.93 4.55 0.00 | 76.78 4.75 0.00 | 55.13 3.00 0.00 | 47.37 2.17 0.00 | 44.65 1.79 0.00 |
| RAVENSWOOD_GT3_4 24251 | 29.27 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.66 1.33 0.00 | 28.76 1.29 0.00 | 34.63 1.66 0.00 | 29.03 1.88 0.00 | 30.20 2.22 0.00 | 32.84 2.42 0.00 | 41.50 2.99 0.00 | 53.87 3.66 0.00 | 38.67 2.75 0.00 | 36.28 2.80 0.00 | 28.98 2.19 0.00 | 29.87 2.22 0.00 | 28.15 2.04 0.00 | 32.24 2.39 0.00 | 37.79 2.74 0.00 | 47.56 3.47 0.00 | 63.93 4.55 0.00 | 76.78 4.75 0.00 | 55.13 3.00 0.00 | 47.37 2.17 0.00 | 44.65 1.79 0.00 |
| RAVENSWOOD_GT_1 23729 | 32.77 1.37 -3.42 | 32.81 1.39 -3.21 | 38.84 1.61 -1.66 | 33.98 1.40 -3.25 | 32.10 1.37 -3.26 | 36.90 1.75 -2.17 | 32.43 1.97 -3.31 | 33.44 2.33 -3.13 | 36.21 2.55 -3.25 | 42.90 3.15 -1.24 | 55.15 3.81 -1.12 | 40.80 2.87 -2.01 | 56.51 2.94 -20.09 | 51.58 2.30 -22.48 | 55.97 2.34 -25.99 | 32.58 2.14 -4.33 | 35.82 2.49 -3.49 | 40.26 2.84 -2.36 | 49.26 3.56 -1.60 | 65.32 4.70 -1.25 | 77.24 4.95 -0.26 | 56.50 3.12 -1.24 | 47.78 2.28 -0.30 | 46.06 1.88 -1.33 |
| RAVENSWOOD_GT_10 24258 | 29.62 1.26 -0.40 | 29.86 1.27 -0.37 | 37.24 1.48 -0.19 | 31.00 1.29 -0.38 | 29.11 1.26 -0.38 | 34.84 1.61 -0.25 | 29.37 1.83 -0.38 | 30.51 2.18 -0.36 | 33.03 2.37 -0.24 | 41.58 2.93 -0.14 | 53.92 3.58 -0.13 | 38.84 2.68 -0.23 | 35.17 2.74 1.05 | 27.43 2.14 1.51 | 28.44 2.18 1.37 | 28.43 1.99 -0.34 | 32.58 2.33 -0.40 | 38.00 2.68 -0.27 | 47.66 3.39 -0.18 | 63.96 4.44 -0.14 | 76.69 4.63 -0.03 | 55.18 2.91 -0.14 | 47.33 2.10 -0.03 | 44.73 1.72 -0.15 |
| RAVENSWOOD_GT_11 24259 | 29.62 1.26 -0.40 | 29.86 1.27 -0.37 | 37.24 1.48 -0.19 | 31.00 1.29 -0.38 | 29.11 1.26 -0.38 | 34.84 1.61 -0.25 | 29.37 1.83 -0.38 | 30.51 2.18 -0.36 | 33.03 2.37 -0.24 | 41.58 2.93 -0.14 | 53.92 3.58 -0.13 | 38.84 2.68 -0.23 | 35.17 2.74 1.05 | 27.43 2.14 1.51 | 28.44 2.18 1.37 | 28.43 1.99 -0.34 | 32.58 2.33 -0.40 | 38.00 2.68 -0.27 | 47.66 3.39 -0.18 | 63.96 4.44 -0.14 | 76.69 4.63 -0.03 | 55.18 2.91 -0.14 | 47.33 2.10 -0.03 | 44.73 1.72 -0.15 |
| RAVENSWOOD_GT_4 24252 | 31.82 1.24 -2.61 | 31.92 1.26 -2.44 | 38.30 1.47 -1.26 | 33.09 1.28 -2.47 | 31.20 1.24 -2.48 | 36.23 1.60 -1.65 | 31.49 1.82 -2.52 | 32.52 2.17 -2.39 | 34.34 2.35 -1.57 | 42.37 2.91 -0.94 | 54.63 3.56 -0.85 | 40.13 2.67 -1.53 | 29.28 2.72 6.92 | 18.93 2.12 9.99 | 20.73 2.16 9.07 | 30.32 1.97 -2.23 | 34.82 2.32 -2.65 | 39.52 2.67 -1.80 | 48.69 3.38 -1.22 | 64.75 4.43 -0.95 | 76.82 4.60 -0.20 | 55.95 2.89 -0.94 | 47.51 2.08 -0.23 | 45.58 1.71 -1.01 |
| RAVENSWOOD_GT_5 24254 | 31.82 1.24 -2.61 | 31.92 1.26 -2.44 | 38.30 1.47 -1.26 | 33.09 1.28 -2.47 | 31.20 1.24 -2.48 | 36.23 1.60 -1.65 | 31.49 1.82 -2.52 | 32.52 2.17 -2.39 | 34.34 2.35 -1.57 | 42.37 2.91 -0.94 | 54.63 3.56 -0.85 | 40.13 2.67 -1.53 | 29.28 2.72 6.92 | 18.93 2.12 9.99 | 20.73 2.16 9.07 | 30.32 1.97 -2.23 | 34.82 2.32 -2.65 | 39.52 2.67 -1.80 | 48.69 3.38 -1.22 | 64.75 4.43 -0.95 | 76.82 4.60 -0.20 | 55.95 2.89 -0.94 | 47.51 2.08 -0.23 | 45.58 1.71 -1.01 |
| RAVENSWOOD_GT_6 24253 | 31.82 1.24 -2.61 | 31.92 1.26 -2.44 | 38.30 1.47 -1.26 | 33.09 1.28 -2.47 | 31.20 1.24 -2.48 | 36.23 1.60 -1.65 | 31.49 1.82 -2.52 | 32.52 2.17 -2.39 | 34.34 2.35 -1.57 | 42.37 2.91 -0.94 | 54.63 3.56 -0.85 | 40.13 2.67 -1.53 | 29.28 2.72 6.92 | 18.93 2.12 9.99 | 20.73 2.16 9.07 | 30.32 1.97 -2.23 | 34.82 2.32 -2.65 | 39.52 2.67 -1.80 | 48.69 3.38 -1.22 | 64.75 4.43 -0.95 | 76.82 4.60 -0.20 | 55.95 2.89 -0.94 | 47.51 2.08 -0.23 | 45.58 1.71 -1.01 |
| RAVENSWOOD_GT_7 24255 | 31.82 1.24 -2.61 | 31.92 1.26 -2.44 | 38.30 1.47 -1.26 | 33.09 1.28 -2.47 | 31.20 1.24 -2.48 | 36.23 1.60 -1.65 | 31.49 1.82 -2.52 | 32.52 2.17 -2.39 | 34.34 2.35 -1.57 | 42.37 2.91 -0.94 | 54.63 3.56 -0.85 | 40.13 2.67 -1.53 | 29.28 2.72 6.92 | 18.93 2.12 9.99 | 20.73 2.16 9.07 | 30.32 1.97 -2.23 | 34.82 2.32 -2.65 | 39.52 2.67 -1.80 | 48.69 3.38 -1.22 | 64.75 4.43 -0.95 | 76.82 4.60 -0.20 | 55.95 2.89 -0.94 | 47.51 2.08 -0.23 | 45.58 1.71 -1.01 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 29.62 1.26 -0.40 | 29.86 1.27 -0.37 | 37.24 1.48 -0.19 | 31.00 1.29 -0.38 | 29.11 1.26 -0.38 | 34.84 1.61 -0.25 | 29.37 1.83 -0.38 | 30.51 2.18 -0.36 | 33.03 2.37 -0.24 | 41.58 2.93 -0.14 | 53.92 3.58 -0.13 | 38.84 2.68 -0.23 | 35.17 2.74 1.05 | 27.43 2.14 1.51 | 28.44 2.18 1.37 | 28.43 1.99 -0.34 | 32.58 2.33 -0.40 | 38.00 2.68 -0.27 | 47.66 3.39 -0.18 | 63.96 4.44 -0.14 | 76.69 4.63 -0.03 | 55.18 2.91 -0.14 | 47.33 2.10 -0.03 | 44.73 1.72 -0.15 |

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|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| RAVENSWOOD_GT_9 24257 | 29.62 1.26 -0.40 | 29.86 1.27 -0.37 | 37.24 1.48 -0.19 | 31.00 1.29 -0.38 | 29.11 1.26 -0.38 | 34.84 1.61 -0.25 | 29.37 1.83 -0.38 | 30.51 2.18 -0.36 | 33.03 2.37 -0.24 | 41.58 2.93 -0.14 | 53.92 3.58 -0.13 | 38.84 2.68 -0.23 | 35.17 2.74 1.05 | 27.43 2.14 1.51 | 28.44 2.18 1.37 | 28.43 1.99 -0.34 | 32.58 2.33 -0.40 | 38.00 2.68 -0.27 | 47.66 3.39 -0.18 | 63.96 4.44 -0.14 | 76.69 4.63 -0.03 | 55.18 2.91 -0.14 | 47.33 2.10 -0.03 | 44.73 1.72 -0.15 |
| RAVENSWOOD___1 23533 | 25.92 1.32 3.37 | 26.39 1.33 3.16 | 35.49 1.55 1.63 | 27.49 1.35 3.20 | 25.58 1.32 3.21 | 32.53 1.69 2.14 | 25.81 1.91 3.25 | 27.15 2.27 3.08 | 30.87 2.48 2.03 | 40.35 3.06 1.22 | 52.81 3.70 1.10 | 36.73 2.79 1.98 | 45.29 2.86 -8.95 | 41.95 2.24 -12.91 | 41.65 2.28 -11.73 | 25.31 2.09 2.89 | 28.87 2.45 3.43 | 35.51 2.78 2.33 | 46.00 3.49 1.58 | 62.74 4.59 1.22 | 76.59 4.80 0.25 | 53.96 3.03 1.21 | 47.11 2.21 0.30 | 43.35 1.80 1.31 |
| RAVENSWOOD___2 23534 | 25.92 1.32 3.37 | 26.39 1.33 3.16 | 35.49 1.55 1.63 | 27.49 1.35 3.20 | 25.58 1.32 3.21 | 32.53 1.69 2.14 | 25.81 1.91 3.25 | 27.15 2.27 3.08 | 30.87 2.48 2.03 | 40.35 3.06 1.22 | 52.81 3.70 1.10 | 36.73 2.79 1.98 | 45.29 2.86 -8.95 | 41.95 2.24 -12.91 | 41.65 2.28 -11.73 | 25.31 2.09 2.89 | 28.87 2.45 3.43 | 35.51 2.78 2.33 | 46.00 3.49 1.58 | 62.74 4.59 1.22 | 76.59 4.80 0.25 | 53.96 3.03 1.21 | 47.11 2.21 0.30 | 43.35 1.80 1.31 |
| RAVENSWOOD___3 23535 | 29.23 1.26 0.00 | 29.49 1.27 0.00 | 37.05 1.48 0.00 | 30.63 1.29 0.00 | 28.74 1.26 0.00 | 34.60 1.62 0.00 | 28.99 1.84 0.00 | 30.15 2.18 0.00 | 32.79 2.37 0.00 | 41.44 2.93 0.00 | 53.79 3.58 0.00 | 38.61 2.69 0.00 | 36.21 2.73 0.00 | 28.94 2.14 0.00 | 29.82 2.18 0.00 | 28.10 1.99 0.00 | 32.20 2.35 0.00 | 37.74 2.68 0.00 | 47.49 3.39 0.00 | 63.82 4.45 0.00 | 76.67 4.64 0.00 | 55.04 2.90 0.00 | 47.30 2.11 0.00 | 44.58 1.73 0.00 |
| RAVENSWOOD___4 23820 | 25.92 1.32 3.37 | 26.39 1.33 3.16 | 35.49 1.55 1.63 | 27.49 1.35 3.20 | 25.58 1.32 3.21 | 32.53 1.69 2.14 | 25.81 1.91 3.25 | 27.15 2.27 3.08 | 30.87 2.48 2.03 | 40.35 3.06 1.22 | 52.81 3.70 1.10 | 36.73 2.79 1.98 | 45.29 2.86 -8.95 | 41.95 2.24 -12.91 | 41.65 2.28 -11.73 | 25.31 2.09 2.89 | 28.87 2.45 3.43 | 35.51 2.78 2.33 | 46.00 3.49 1.58 | 62.74 4.59 1.22 | 76.59 4.80 0.25 | 53.96 3.03 1.21 | 47.11 2.21 0.30 | 43.35 1.80 1.31 |
| RCPL_TRUST___DRP 24196 | 29.20 1.23 0.00 | 29.47 1.26 0.00 | 37.02 1.45 0.00 | 30.62 1.28 0.00 | 28.71 1.23 0.00 | 34.57 1.59 0.00 | 28.97 1.82 0.00 | 30.14 2.17 0.00 | 32.77 2.35 0.00 | 41.41 2.90 0.00 | 53.74 3.53 0.00 | 38.58 2.65 0.00 | 36.19 2.72 0.00 | 28.92 2.11 0.00 | 29.81 2.16 0.00 | 28.08 1.97 0.00 | 32.17 2.32 0.00 | 37.71 2.66 0.00 | 47.46 3.37 0.00 | 63.77 4.40 0.00 | 76.62 4.58 0.00 | 54.99 2.86 0.00 | 47.26 2.06 0.00 | 44.54 1.68 0.00 |
| RED___ROCHESTER 323720 | 26.80 -1.17 0.00 | 27.04 -1.18 0.00 | 34.22 -1.35 0.00 | 27.98 -1.35 0.00 | 26.27 -1.21 0.00 | 31.71 -1.27 0.00 | 26.24 -0.91 0.00 | 26.96 -1.01 0.00 | 29.53 -0.88 0.00 | 37.50 -1.01 0.00 | 48.76 -1.45 0.00 | 35.12 -0.81 0.00 | 32.51 -0.97 0.00 | 25.98 -0.82 0.00 | 26.99 -0.65 0.00 | 25.45 -0.66 0.00 | 29.12 -0.73 0.00 | 34.28 -0.77 0.00 | 43.26 -0.83 0.00 | 58.24 -1.14 0.00 | 70.68 -1.36 0.00 | 51.21 -0.93 0.00 | 44.60 -0.60 0.00 | 42.40 -0.46 0.00 |
| REGAN___SOLAR 323812 | 29.31 1.34 0.00 | 29.54 1.32 0.00 | 37.27 1.70 0.00 | 30.73 1.40 0.00 | 28.80 1.33 0.00 | 34.63 1.66 0.00 | 28.87 1.71 0.00 | 29.75 1.78 0.00 | 32.22 1.80 0.00 | 40.90 2.39 0.00 | 53.11 2.90 0.00 | 37.31 1.38 0.00 | 34.59 1.11 0.00 | 27.17 0.37 0.00 | 27.85 0.20 0.00 | 26.56 0.45 0.00 | 30.67 0.82 0.00 | 37.02 1.97 0.00 | 46.61 2.52 0.00 | 63.18 3.80 0.00 | 76.56 4.52 0.00 | 55.29 3.16 0.00 | 47.76 2.57 0.00 | 45.14 2.28 0.00 |
| RENSSELAER___COGEN 23796 | 28.52 0.54 0.00 | 28.77 0.55 0.00 | 36.19 0.62 0.00 | 29.93 0.59 0.00 | 28.07 0.60 0.00 | 33.71 0.73 0.00 | 28.13 0.97 0.00 | 28.79 0.82 0.00 | 31.01 0.60 0.00 | 39.20 0.69 0.00 | 51.00 0.80 0.00 | 36.39 0.46 0.00 | 34.03 0.55 0.00 | 27.25 0.45 0.00 | 28.16 0.51 0.00 | 26.73 0.62 0.00 | 30.76 0.91 0.00 | 36.10 1.05 0.00 | 45.35 1.26 0.00 | 61.08 1.70 0.00 | 73.44 1.41 0.00 | 52.89 0.76 0.00 | 45.49 0.30 0.00 | 42.99 0.13 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 29.98 2.01 0.00 | 30.21 1.99 0.00 | 38.19 2.62 0.00 | 31.49 2.16 0.00 | 29.54 2.07 0.00 | 35.60 2.62 0.00 | 29.20 2.05 0.00 | 30.18 2.21 0.00 | 33.22 2.80 0.00 | 42.49 3.98 0.00 | 54.96 4.75 0.00 | 38.79 2.86 0.00 | 36.02 2.54 0.00 | 28.67 1.87 0.00 | 29.36 1.72 0.00 | 27.52 1.41 0.00 | 31.78 1.93 0.00 | 38.39 3.34 0.00 | 48.45 4.35 0.00 | 65.34 5.97 0.00 | 78.39 6.35 0.00 | 56.13 4.00 0.00 | 47.73 2.53 0.00 | 44.89 2.03 0.00 |
| REVERE_CPPR_DRP 24186 | 28.41 0.44 0.00 | 28.61 0.39 0.00 | 35.97 0.40 0.00 | 29.66 0.32 0.00 | 27.81 0.34 0.00 | 33.50 0.52 0.00 | 27.83 0.67 0.00 | 28.68 0.70 0.00 | 31.32 0.90 0.00 | 39.78 1.27 0.00 | 51.46 1.25 0.00 | 36.56 0.64 0.00 | 33.96 0.49 0.00 | 27.15 0.35 0.00 | 28.04 0.39 0.00 | 26.46 0.35 0.00 | 30.48 0.63 0.00 | 36.04 0.99 0.00 | 45.59 1.50 0.00 | 61.40 2.02 0.00 | 74.53 2.50 0.00 | 53.65 1.52 0.00 | 46.45 1.26 0.00 | 43.97 1.11 0.00 |
| REYNOLDS_115KV_TB3 80639 | 28.67 0.70 0.00 | 28.92 0.71 0.00 | 36.37 0.79 0.00 | 30.07 0.73 0.00 | 28.21 0.74 0.00 | 33.89 0.91 0.00 | 28.27 1.11 0.00 | 28.89 0.91 0.00 | 31.18 0.76 0.00 | 39.44 0.93 0.00 | 51.33 1.12 0.00 | 36.61 0.68 0.00 | 34.25 0.77 0.00 | 27.40 0.60 0.00 | 28.34 0.69 0.00 | 26.91 0.80 0.00 | 30.96 1.11 0.00 | 36.35 1.30 0.00 | 45.66 1.56 0.00 | 61.49 2.11 0.00 | 73.90 1.87 0.00 | 53.24 1.10 0.00 | 45.77 0.57 0.00 | 43.25 0.40 0.00 |
| RIVERBAY____ 323610 | 29.18 1.21 0.00 | 29.50 1.28 0.00 | 37.01 1.44 0.00 | 30.63 1.30 0.00 | 28.73 1.26 0.00 | 34.60 1.62 0.00 | 29.05 1.90 0.00 | 30.22 2.25 0.00 | 32.78 2.37 0.01 | 41.42 2.91 0.00 | 53.72 3.51 0.00 | 38.56 2.64 0.00 | 36.22 2.75 0.01 | 28.94 2.15 0.01 | 29.83 2.19 0.01 | 28.09 1.99 0.01 | 32.18 2.33 0.00 | 37.71 2.66 0.00 | 47.44 3.35 0.00 | 63.87 4.49 0.00 | 76.63 4.60 0.00 | 55.02 2.88 -0.01 | 47.21 2.01 0.00 | 44.47 1.61 0.00 |
| RIVERSDE_115KV_TB3 55908 | 28.61 0.64 0.00 | 28.87 0.65 0.00 | 36.31 0.73 0.00 | 30.02 0.68 0.00 | 28.16 0.68 0.00 | 33.82 0.84 0.00 | 28.22 1.07 0.00 | 28.87 0.89 0.00 | 31.12 0.71 0.00 | 39.36 0.85 0.00 | 51.22 1.01 0.00 | 36.54 0.62 0.00 | 34.19 0.71 0.00 | 27.35 0.55 0.00 | 28.27 0.63 0.00 | 26.85 0.74 0.00 | 30.89 1.04 0.00 | 36.27 1.22 0.00 | 45.54 1.45 0.00 | 61.33 1.96 0.00 | 73.73 1.70 0.00 | 53.11 0.97 0.00 | 45.64 0.45 0.00 | 43.15 0.29 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 27.27 -0.70 0.00 | 27.46 -0.76 0.00 | 34.66 -0.91 0.00 | 28.56 -0.78 0.00 | 26.70 -0.77 0.00 | 31.95 -1.03 0.00 | 26.29 -0.87 0.00 | 27.13 -0.84 0.00 | 29.69 -0.73 0.00 | 37.78 -0.73 0.00 | 49.27 -0.95 0.00 | 35.12 -0.80 0.00 | 32.77 -0.71 0.00 | 26.19 -0.61 0.00 | 27.00 -0.64 0.00 | 25.47 -0.64 0.00 | 28.91 -0.95 0.00 | 33.93 -1.13 0.00 | 42.77 -1.32 0.00 | 57.92 -1.46 0.00 | 71.01 -1.02 0.00 | 51.67 -0.47 0.00 | 44.91 -0.29 0.00 | 42.53 -0.33 0.00 |

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|--|-------------------------|--------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|---------------------------|---------------------------|-------------------------|------------------------|------------------------|
| ROCHESRG_115KV_T4 355643 | 26.38 -1.42 0.16 | 26.14 -1.43 0.65 | 33.92 -1.65 0.00 | 27.74 -1.60 0.00 | 26.03 -1.44 0.00 | 30.99 -1.59 0.40 | 24.83 -1.20 1.12 | 25.64 -1.32 1.01 | 28.05 -1.22 1.15 | 35.53 -1.47 1.51 | 46.34 -2.02 1.85 | 33.26 -1.23 1.43 | 30.66 -1.38 1.44 | 25.36 -1.11 0.33 | 26.68 -0.96 0.00 | 25.16 -0.95 0.00 | 28.68 -1.09 0.08 | 32.51 -1.23 1.31 | 40.87 -1.40 1.82 | 55.31 -1.93 2.14 | 67.84 -2.28 1.91 | 50.46 -1.57 0.11 | 44.08 -1.12 0.00 | 41.93 -0.93 0.00 |
| ROCHESTER_9_IC 23652 | 26.68 -1.29 0.00 | 26.92 -1.30 0.00 | 34.08 -1.50 0.00 | 27.87 -1.47 0.00 | 26.16 -1.32 0.00 | 31.54 -1.43 0.00 | 26.09 -1.06 0.00 | 26.80 -1.17 0.00 | 29.36 -1.06 0.00 | 37.27 -1.24 0.00 | 48.48 -1.73 0.00 | 34.90 -1.03 0.00 | 32.27 -1.21 0.00 | 25.82 -0.97 0.00 | 26.85 -0.80 0.00 | 25.32 -0.79 0.00 | 28.95 -0.91 0.00 | 34.04 -1.01 0.00 | 42.98 -1.11 0.00 | 57.85 -1.53 0.00 | 70.22 -1.81 0.00 | 50.89 -1.24 0.00 | 44.35 -0.85 0.00 | 42.16 -0.69 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 29.26 1.30 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.66 1.32 0.00 | 28.75 1.28 0.00 | 34.61 1.64 0.00 | 29.00 1.84 0.00 | 30.13 2.16 0.00 | 32.76 2.34 0.00 | 41.42 2.91 0.00 | 53.78 3.57 0.00 | 38.59 2.67 0.00 | 36.18 2.71 0.00 | 28.89 2.09 0.00 | 29.77 2.13 0.00 | 28.06 1.95 0.00 | 32.15 2.30 0.00 | 37.72 2.67 0.00 | 47.48 3.39 0.00 | 63.84 4.47 0.00 | 76.70 4.67 0.00 | 55.09 2.95 0.00 | 47.33 2.14 0.00 | 44.61 1.75 0.00 |
| ROME____115KV_TB2 80656 | 28.41 0.44 0.00 | 28.61 0.39 0.00 | 35.97 0.40 0.00 | 29.66 0.32 0.00 | 27.81 0.34 0.00 | 33.50 0.52 0.00 | 27.83 0.67 0.00 | 28.68 0.70 0.00 | 31.32 0.90 0.00 | 39.78 1.27 0.00 | 51.46 1.25 0.00 | 36.56 0.64 0.00 | 33.96 0.49 0.00 | 27.15 0.35 0.00 | 28.04 0.39 0.00 | 26.46 0.35 0.00 | 30.48 0.63 0.00 | 36.04 0.99 0.00 | 45.59 1.50 0.00 | 61.40 2.02 0.00 | 74.53 2.50 0.00 | 53.65 1.52 0.00 | 46.45 1.26 0.00 | 43.97 1.11 0.00 |
| ROSETON___1 23587 | 28.90 0.93 0.00 | 29.17 0.95 0.00 | 36.66 1.09 0.00 | 30.31 0.98 0.00 | 28.43 0.96 0.00 | 34.19 1.21 0.00 | 28.59 1.44 0.00 | 29.66 1.69 0.00 | 32.21 1.79 0.00 | 40.74 2.23 0.00 | 52.92 2.70 0.00 | 37.91 1.99 0.00 | 35.50 2.02 0.00 | 28.38 1.58 0.00 | 29.24 1.60 0.00 | 27.57 1.46 0.00 | 31.61 1.76 0.00 | 37.11 2.06 0.00 | 46.71 2.61 0.00 | 62.83 3.45 0.00 | 75.51 3.48 0.00 | 54.28 2.15 0.00 | 46.66 1.46 0.00 | 44.02 1.16 0.00 |
| ROSETON___2 23588 | 28.90 0.93 0.00 | 29.17 0.95 0.00 | 36.66 1.09 0.00 | 30.31 0.98 0.00 | 28.43 0.96 0.00 | 34.19 1.21 0.00 | 28.59 1.44 0.00 | 29.66 1.69 0.00 | 32.21 1.79 0.00 | 40.74 2.23 0.00 | 52.92 2.70 0.00 | 37.91 1.99 0.00 | 35.50 2.02 0.00 | 28.38 1.58 0.00 | 29.24 1.60 0.00 | 27.57 1.46 0.00 | 31.61 1.76 0.00 | 37.11 2.06 0.00 | 46.71 2.61 0.00 | 62.83 3.45 0.00 | 75.51 3.48 0.00 | 54.28 2.15 0.00 | 46.66 1.46 0.00 | 44.02 1.16 0.00 |
| ROTRRDAM_115KV_TB3 80664 | 28.66 0.69 0.00 | 28.93 0.72 0.00 | 36.42 0.85 0.00 | 30.08 0.75 0.00 | 28.19 0.72 0.00 | 33.85 0.87 0.00 | 28.13 0.98 0.00 | 28.93 0.95 0.00 | 31.42 1.00 0.00 | 39.78 1.27 0.00 | 51.73 1.52 0.00 | 36.87 0.94 0.00 | 34.44 0.96 0.00 | 27.49 0.69 0.00 | 28.33 0.68 0.00 | 26.82 0.71 0.00 | 30.79 0.94 0.00 | 36.32 1.26 0.00 | 45.71 1.61 0.00 | 61.59 2.22 0.00 | 74.28 2.25 0.00 | 53.56 1.43 0.00 | 46.16 0.96 0.00 | 43.64 0.79 0.00 |
| RUSSELL___1 23602 | 26.80 -1.17 0.00 | 27.03 -1.19 0.00 | 34.22 -1.35 0.00 | 27.98 -1.35 0.00 | 26.27 -1.21 0.00 | 31.68 -1.30 0.00 | 26.23 -0.93 0.00 | 26.94 -1.03 0.00 | 29.51 -0.91 0.00 | 37.47 -1.04 0.00 | 48.74 -1.48 0.00 | 35.09 -0.84 0.00 | 32.44 -1.05 0.00 | 25.96 -0.84 0.00 | 26.98 -0.66 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.25 -0.80 0.00 | 43.26 -0.83 0.00 | 58.22 -1.16 0.00 | 70.68 -1.35 0.00 | 51.21 -0.93 0.00 | 44.60 -0.60 0.00 | 42.39 -0.46 0.00 |
| RUSSELL___2 23532 | 26.80 -1.17 0.00 | 27.03 -1.19 0.00 | 34.22 -1.35 0.00 | 27.98 -1.35 0.00 | 26.27 -1.21 0.00 | 31.68 -1.30 0.00 | 26.23 -0.93 0.00 | 26.94 -1.03 0.00 | 29.51 -0.91 0.00 | 37.47 -1.04 0.00 | 48.74 -1.48 0.00 | 35.09 -0.84 0.00 | 32.44 -1.05 0.00 | 25.96 -0.84 0.00 | 26.98 -0.66 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.25 -0.80 0.00 | 43.26 -0.83 0.00 | 58.22 -1.16 0.00 | 70.68 -1.35 0.00 | 51.21 -0.93 0.00 | 44.60 -0.60 0.00 | 42.39 -0.46 0.00 |
| RUSSELL___3 23549 | 26.80 -1.17 0.00 | 27.03 -1.19 0.00 | 34.22 -1.35 0.00 | 27.98 -1.35 0.00 | 26.27 -1.21 0.00 | 31.68 -1.30 0.00 | 26.23 -0.93 0.00 | 26.94 -1.03 0.00 | 29.51 -0.91 0.00 | 37.47 -1.04 0.00 | 48.74 -1.48 0.00 | 35.09 -0.84 0.00 | 32.44 -1.05 0.00 | 25.96 -0.84 0.00 | 26.98 -0.66 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.25 -0.80 0.00 | 43.26 -0.83 0.00 | 58.22 -1.16 0.00 | 70.68 -1.35 0.00 | 51.21 -0.93 0.00 | 44.60 -0.60 0.00 | 42.39 -0.46 0.00 |
| RUSSELL___4 23556 | 26.80 -1.17 0.00 | 27.03 -1.19 0.00 | 34.22 -1.35 0.00 | 27.98 -1.35 0.00 | 26.27 -1.21 0.00 | 31.68 -1.30 0.00 | 26.23 -0.93 0.00 | 26.94 -1.03 0.00 | 29.51 -0.91 0.00 | 37.47 -1.04 0.00 | 48.74 -1.48 0.00 | 35.09 -0.84 0.00 | 32.44 -1.05 0.00 | 25.96 -0.84 0.00 | 26.98 -0.66 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.25 -0.80 0.00 | 43.26 -0.83 0.00 | 58.22 -1.16 0.00 | 70.68 -1.35 0.00 | 51.21 -0.93 0.00 | 44.60 -0.60 0.00 | 42.39 -0.46 0.00 |
| RUSSELL___STATION 23914 | 26.80 -1.17 0.00 | 27.03 -1.19 0.00 | 34.22 -1.35 0.00 | 27.98 -1.35 0.00 | 26.27 -1.21 0.00 | 31.68 -1.30 0.00 | 26.23 -0.93 0.00 | 26.94 -1.03 0.00 | 29.51 -0.91 0.00 | 37.47 -1.04 0.00 | 48.74 -1.48 0.00 | 35.09 -0.84 0.00 | 32.44 -1.05 0.00 | 25.96 -0.84 0.00 | 26.98 -0.66 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.25 -0.80 0.00 | 43.26 -0.83 0.00 | 58.22 -1.16 0.00 | 70.68 -1.35 0.00 | 51.21 -0.93 0.00 | 44.60 -0.60 0.00 | 42.39 -0.46 0.00 |
| S SALMON___HYD 24043 | 27.13 -0.84 0.00 | 27.30 -0.92 0.00 | 34.33 -1.24 0.00 | 28.29 -1.05 0.00 | 26.52 -0.95 0.00 | 31.90 -1.08 0.00 | 26.43 -0.73 0.00 | 27.18 -0.79 0.00 | 29.63 -0.79 0.00 | 37.75 -0.76 0.00 | 48.76 -1.45 0.00 | 34.58 -1.35 0.00 | 32.05 -1.43 0.00 | 25.85 -0.95 0.00 | 26.66 -0.98 0.00 | 25.24 -0.87 0.00 | 28.93 -0.92 0.00 | 34.10 -0.96 0.00 | 43.10 -0.99 0.00 | 58.05 -1.33 0.00 | 70.68 -1.35 0.00 | 50.96 -1.17 0.00 | 44.32 -0.88 0.00 | 41.99 -0.86 0.00 |
| S.PERRY__115KV_TB1 80734 | 29.83 -1.37 -3.23 | 39.87 -1.36 -13.01 | 34.03 -1.54 0.00 | 27.86 -1.48 0.00 | 26.17 -1.30 0.00 | 39.55 -1.41 -7.98 | 48.81 -0.87 -22.52 | 47.18 -0.86 -20.07 | 52.45 -0.80 -22.84 | 67.25 -1.35 -30.09 | 85.15 -1.81 -36.75 | 62.89 -1.53 -28.50 | 60.50 -1.61 -28.63 | 31.97 -1.37 -6.55 | 26.62 -1.02 0.00 | 25.10 -1.01 0.00 | 30.70 -0.86 -1.71 | 60.22 -0.78 -25.95 | 79.66 -0.51 -36.09 | 101.08 -0.79 -42.49 | 109.00 -0.80 -37.77 | 53.62 -0.68 -2.16 | 44.79 -0.40 0.00 | 42.39 -0.47 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 24.84 -2.46 0.67 | 23.05 -2.47 2.70 | 32.77 -2.80 0.00 | 26.64 -2.69 0.00 | 25.00 -2.48 0.00 | 28.52 -2.81 1.65 | 20.23 -2.25 4.67 | 21.31 -2.44 4.22 | 23.35 -2.28 4.79 | 29.47 -2.73 6.31 | 38.91 -3.58 7.71 | 27.70 -2.24 5.98 | 25.12 -2.35 6.01 | 23.50 -1.93 1.37 | 25.95 -1.69 0.00 | 24.42 -1.69 0.00 | 27.53 -1.97 0.36 | 27.27 -2.34 5.45 | 33.79 -2.72 7.58 | 46.67 -3.78 8.93 | 59.80 -4.30 7.93 | 48.79 -2.90 0.45 | 43.15 -2.04 0.00 | 41.21 -1.64 0.00 |

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|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|
| SAWYER___23_KV_LOAD 55526 | 24.84 -2.46 0.67 | 23.05 -2.47 2.70 | 32.77 -2.80 0.00 | 26.64 -2.69 0.00 | 25.00 -2.48 0.00 | 28.52 -2.81 1.65 | 20.23 -2.25 4.67 | 21.31 -2.44 4.22 | 23.35 -2.28 4.79 | 29.47 -2.73 6.31 | 38.91 -3.58 7.71 | 27.70 -2.24 5.98 | 25.12 -2.35 6.01 | 23.50 -1.93 1.37 | 25.95 -1.69 0.00 | 24.42 -1.69 0.00 | 27.53 -1.97 0.36 | 27.27 -2.34 5.45 | 33.79 -2.72 7.58 | 46.67 -3.78 8.93 | 59.80 -4.30 7.93 | 48.79 -2.90 0.45 | 43.15 -2.04 0.00 | 41.21 -1.64 0.00 |
| SELKIRK___I 23801 | 28.66 0.69 0.00 | 28.93 0.72 0.00 | 36.43 0.86 0.00 | 30.11 0.78 0.00 | 28.25 0.78 0.00 | 33.91 0.93 0.00 | 28.28 1.13 0.00 | 28.96 0.99 0.00 | 31.27 0.85 0.00 | 39.50 0.99 0.00 | 51.33 1.12 0.00 | 36.59 0.66 0.00 | 34.19 0.71 0.00 | 27.30 0.51 0.00 | 28.16 0.52 0.00 | 26.72 0.61 0.00 | 30.82 0.96 0.00 | 36.30 1.25 0.00 | 45.63 1.53 0.00 | 61.51 2.13 0.00 | 74.01 1.98 0.00 | 53.33 1.19 0.00 | 45.92 0.73 0.00 | 43.42 0.57 0.00 |
| SELKIRK___II 23799 | 28.54 0.57 0.00 | 28.82 0.60 0.00 | 36.26 0.69 0.00 | 29.97 0.63 0.00 | 28.11 0.64 0.00 | 33.75 0.77 0.00 | 28.15 1.00 0.00 | 28.86 0.89 0.00 | 31.17 0.75 0.00 | 39.40 0.88 0.00 | 51.26 1.05 0.00 | 36.59 0.67 0.00 | 34.21 0.73 0.00 | 27.37 0.57 0.00 | 28.27 0.62 0.00 | 26.81 0.70 0.00 | 30.83 0.98 0.00 | 36.21 1.16 0.00 | 45.51 1.41 0.00 | 61.29 1.92 0.00 | 73.74 1.71 0.00 | 53.13 0.99 0.00 | 45.73 0.53 0.00 | 43.21 0.36 0.00 |
| SENECA OSWGO___HYD 24041 | 27.36 -0.61 0.00 | 27.57 -0.64 0.00 | 34.78 -0.79 0.00 | 28.66 -0.67 0.00 | 26.86 -0.61 0.00 | 32.24 -0.74 0.00 | 26.63 -0.53 0.00 | 27.37 -0.60 0.00 | 29.76 -0.66 0.00 | 37.63 -0.88 0.00 | 48.95 -1.26 0.00 | 34.92 -1.00 0.00 | 32.58 -0.90 0.00 | 26.14 -0.65 0.00 | 26.92 -0.72 0.00 | 25.45 -0.66 0.00 | 29.17 -0.68 0.00 | 34.32 -0.73 0.00 | 43.26 -0.83 0.00 | 58.25 -1.13 0.00 | 70.51 -1.52 0.00 | 51.04 -1.09 0.00 | 44.31 -0.89 0.00 | 42.08 -0.78 0.00 |
| SENECA___115KV_TB3 355854 | 25.13 -2.27 0.57 | 23.65 -2.27 2.31 | 33.04 -2.53 0.00 | 26.87 -2.46 0.00 | 25.22 -2.26 0.00 | 29.03 -2.53 1.41 | 21.17 -1.99 3.99 | 22.17 -2.14 3.66 | 24.31 -1.95 4.16 | 30.69 -2.34 5.48 | 40.44 -3.08 6.69 | 28.83 -1.90 5.19 | 26.25 -2.01 5.21 | 23.95 -1.66 1.19 | 26.22 -1.43 0.00 | 24.68 -1.43 0.00 | 27.89 -1.65 0.31 | 28.38 -1.94 4.73 | 35.28 -2.22 6.58 | 48.54 -3.09 7.75 | 61.69 -3.46 6.89 | 49.40 -2.34 0.39 | 43.60 -1.59 0.00 | 41.64 -1.21 0.00 |
| SENECA___ENERGY 23797 | 27.36 -0.83 -0.22 | 28.27 -0.83 -0.88 | 34.59 -0.98 0.00 | 28.41 -0.93 0.00 | 26.66 -0.81 0.00 | 32.65 -0.87 -0.54 | 28.14 -0.53 -1.53 | 28.74 -0.59 -1.36 | 31.40 -0.57 -1.55 | 39.88 -0.67 -2.04 | 51.57 -1.13 -2.49 | 37.15 -0.71 -1.93 | 34.71 -0.71 -1.94 | 26.60 -0.64 -0.44 | 26.97 -0.67 0.00 | 25.45 -0.66 0.00 | 29.31 -0.66 -0.11 | 36.17 -0.64 -1.76 | 45.88 -0.65 -2.44 | 61.22 -1.03 -2.88 | 73.26 -1.33 -2.56 | 51.38 -0.90 -0.15 | 44.49 -0.70 0.00 | 42.27 -0.59 0.00 |
| SHOEMAKER___GT 23640 | 28.73 0.76 0.00 | 29.00 0.78 0.00 | 36.45 0.88 0.00 | 30.13 0.80 0.00 | 28.27 0.79 0.00 | 33.98 1.00 0.00 | 28.39 1.24 0.00 | 29.42 1.45 0.00 | 31.93 1.51 0.00 | 40.40 1.89 0.00 | 52.49 2.28 0.00 | 37.60 1.68 0.00 | 35.09 1.61 0.00 | 28.04 1.24 0.00 | 28.88 1.23 0.00 | 27.25 1.14 0.00 | 31.32 1.47 0.00 | 36.81 1.76 0.00 | 46.34 2.25 0.00 | 62.37 2.99 0.00 | 75.05 3.02 0.00 | 54.00 1.87 0.00 | 46.44 1.25 0.00 | 43.83 0.98 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 28.72 0.75 0.00 | 28.99 0.77 0.00 | 36.45 0.88 0.00 | 30.12 0.79 0.00 | 28.26 0.78 0.00 | 33.97 0.99 0.00 | 28.38 1.22 0.00 | 29.42 1.44 0.00 | 31.93 1.51 0.00 | 40.40 1.89 0.00 | 52.49 2.28 0.00 | 37.60 1.68 0.00 | 35.12 1.64 0.00 | 28.07 1.27 0.00 | 28.91 1.26 0.00 | 27.28 1.17 0.00 | 31.33 1.48 0.00 | 36.81 1.76 0.00 | 46.34 2.24 0.00 | 62.36 2.99 0.00 | 75.03 3.00 0.00 | 53.98 1.84 0.00 | 46.42 1.23 0.00 | 43.82 0.96 0.00 |
| SHOREHAM_IC_1 23715 | 30.73 1.45 -1.31 | 30.49 1.40 -0.87 | 37.01 1.44 0.01 | 30.63 1.30 0.01 | 28.77 1.31 0.01 | 34.82 1.69 -0.16 | 28.58 1.43 0.01 | 29.48 1.50 0.00 | 32.32 1.90 0.00 | 41.25 2.74 0.00 | 53.46 3.25 0.00 | 41.60 2.88 -2.80 | 39.63 3.01 -3.13 | 29.37 2.38 -0.18 | 30.21 2.32 -0.25 | 28.23 2.11 0.00 | 32.04 2.20 0.00 | 37.34 2.29 0.00 | 47.35 3.26 0.00 | 63.64 4.27 0.00 | 77.22 5.06 -0.12 | 55.50 3.37 0.01 | 48.29 2.65 -0.44 | 44.87 1.96 -0.06 |
| SHOREHAM_IC_2 23716 | 30.73 1.45 -1.31 | 30.49 1.40 -0.87 | 37.01 1.44 0.01 | 30.63 1.30 0.01 | 28.77 1.31 0.01 | 34.82 1.69 -0.16 | 28.58 1.43 0.01 | 29.48 1.50 0.00 | 32.32 1.90 0.00 | 41.25 2.74 0.00 | 53.46 3.25 0.00 | 41.60 2.88 -2.80 | 39.63 3.01 -3.13 | 29.37 2.38 -0.18 | 30.21 2.32 -0.25 | 28.23 2.11 0.00 | 32.04 2.20 0.00 | 37.34 2.29 0.00 | 47.35 3.26 0.00 | 63.64 4.27 0.00 | 77.22 5.06 -0.12 | 55.50 3.37 0.01 | 48.29 2.65 -0.44 | 44.87 1.96 -0.06 |
| SISSONVILLE____ 23735 | 27.34 -0.63 0.00 | 27.45 -0.77 0.00 | 39.16 -0.93 -4.52 | 31.15 -0.86 -2.68 | 33.83 -0.87 -7.24 | 38.98 -0.94 -6.94 | 34.15 -0.74 -7.74 | 35.02 -0.64 -7.68 | 35.10 -0.65 -5.33 | 40.93 -0.67 -3.10 | 49.59 -0.62 0.00 | 35.36 -0.56 0.00 | 32.74 -0.73 0.00 | 26.26 -0.54 0.00 | 27.09 -0.55 0.00 | 25.49 -0.62 0.00 | 28.95 -0.90 0.00 | 33.84 -1.21 0.00 | 43.35 -1.47 -0.73 | 69.77 -1.85 -12.25 | 72.57 -0.66 -1.20 | 51.82 -0.32 0.00 | 45.18 -0.02 0.00 | 42.82 -0.04 0.00 |
| SITHE_IND_GS1 24169 | 27.19 -0.78 0.00 | 27.45 -0.77 0.00 | 34.61 -0.96 0.00 | 28.50 -0.83 0.00 | 26.72 -0.75 0.00 | 32.05 -0.93 0.00 | 26.39 -0.76 0.00 | 27.08 -0.89 0.00 | 29.44 -0.97 0.00 | 37.23 -1.28 0.00 | 48.43 -1.78 0.00 | 34.68 -1.24 0.00 | 32.31 -1.17 0.00 | 25.91 -0.89 0.00 | 26.73 -0.91 0.00 | 25.27 -0.84 0.00 | 28.89 -0.96 0.00 | 33.93 -1.12 0.00 | 42.70 -1.40 0.00 | 57.46 -1.91 0.00 | 69.63 -2.40 0.00 | 50.52 -1.61 0.00 | 43.93 -1.27 0.00 | 41.77 -1.08 0.00 |
| SITHE_IND_GS2 24170 | 27.19 -0.78 0.00 | 27.45 -0.77 0.00 | 34.61 -0.96 0.00 | 28.50 -0.83 0.00 | 26.72 -0.75 0.00 | 32.05 -0.93 0.00 | 26.39 -0.76 0.00 | 27.08 -0.89 0.00 | 29.44 -0.97 0.00 | 37.23 -1.28 0.00 | 48.43 -1.78 0.00 | 34.68 -1.24 0.00 | 32.31 -1.17 0.00 | 25.91 -0.89 0.00 | 26.73 -0.91 0.00 | 25.27 -0.84 0.00 | 28.89 -0.96 0.00 | 33.93 -1.12 0.00 | 42.70 -1.40 0.00 | 57.46 -1.91 0.00 | 69.63 -2.40 0.00 | 50.52 -1.61 0.00 | 43.93 -1.27 0.00 | 41.77 -1.08 0.00 |
| SITHE_IND_GS3 24171 | 27.19 -0.78 0.00 | 27.45 -0.77 0.00 | 34.61 -0.96 0.00 | 28.50 -0.83 0.00 | 26.72 -0.75 0.00 | 32.05 -0.93 0.00 | 26.39 -0.76 0.00 | 27.08 -0.89 0.00 | 29.44 -0.97 0.00 | 37.23 -1.28 0.00 | 48.43 -1.78 0.00 | 34.68 -1.24 0.00 | 32.31 -1.17 0.00 | 25.91 -0.89 0.00 | 26.73 -0.91 0.00 | 25.27 -0.84 0.00 | 28.89 -0.96 0.00 | 33.93 -1.12 0.00 | 42.70 -1.40 0.00 | 57.46 -1.91 0.00 | 69.63 -2.40 0.00 | 50.52 -1.61 0.00 | 43.93 -1.27 0.00 | 41.77 -1.08 0.00 |
| SITHE_IND_GS4 24172 | 27.19 -0.78 0.00 | 27.45 -0.77 0.00 | 34.61 -0.96 0.00 | 28.50 -0.83 0.00 | 26.72 -0.75 0.00 | 32.05 -0.93 0.00 | 26.39 -0.76 0.00 | 27.08 -0.89 0.00 | 29.44 -0.97 0.00 | 37.23 -1.28 0.00 | 48.43 -1.78 0.00 | 34.68 -1.24 0.00 | 32.31 -1.17 0.00 | 25.91 -0.89 0.00 | 26.73 -0.91 0.00 | 25.27 -0.84 0.00 | 28.89 -0.96 0.00 | 33.93 -1.12 0.00 | 42.70 -1.40 0.00 | 57.46 -1.91 0.00 | 69.63 -2.40 0.00 | 50.52 -1.61 0.00 | 43.93 -1.27 0.00 | 41.77 -1.08 0.00 |

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| SITHE___BATAVIA 24024 | 25.80 -1.64 0.53 | 24.41 -1.67 2.13 | 33.72 -1.86 0.00 | 27.49 -1.85 0.00 | 25.83 -1.65 0.00 | 29.91 -1.76 1.31 | 22.18 -1.28 3.69 | 23.28 -1.38 3.32 | 25.44 -1.20 3.77 | 32.11 -1.43 4.97 | 42.11 -2.04 6.07 | 30.10 -1.11 4.71 | 27.21 -1.54 4.73 | 24.54 -1.18 1.08 | 26.69 -0.96 0.00 | 25.11 -1.00 0.00 | 28.52 -1.04 0.28 | 29.65 -1.11 4.29 | 36.94 -1.18 5.97 | 50.75 -1.60 7.03 | 64.01 -1.78 6.25 | 50.58 -1.21 0.36 | 44.50 -0.70 0.00 | 42.43 -0.42 0.00 |
| SITHE___INDEPEND 23800 | 27.19 -0.78 0.00 | 27.44 -0.77 0.00 | 34.61 -0.97 0.00 | 28.51 -0.83 0.00 | 26.72 -0.75 0.00 | 32.05 -0.93 0.00 | 26.39 -0.77 0.00 | 27.08 -0.89 0.00 | 29.44 -0.97 0.00 | 37.23 -1.28 0.00 | 48.43 -1.78 0.00 | 34.67 -1.25 0.00 | 32.30 -1.18 0.00 | 25.90 -0.90 0.00 | 26.72 -0.92 0.00 | 25.27 -0.84 0.00 | 28.89 -0.96 0.00 | 33.93 -1.12 0.00 | 42.70 -1.39 0.00 | 57.46 -1.91 0.00 | 69.63 -2.40 0.00 | 50.52 -1.61 0.00 | 43.93 -1.27 0.00 | 41.77 -1.08 0.00 |
| SITHE___MASSENA 23902 | 28.07 0.10 0.00 | 28.24 0.02 0.00 | 36.74 0.11 -1.06 | 29.96 0.00 -0.63 | 29.10 -0.07 -1.70 | 34.58 0.01 -1.60 | 28.90 -0.04 -1.78 | 29.81 0.07 -1.77 | 31.74 0.10 -1.23 | 39.45 0.22 -0.71 | 50.81 0.60 0.00 | 36.37 0.44 0.00 | 33.76 0.28 0.00 | 27.05 0.25 0.00 | 27.87 0.23 0.00 | 26.22 0.11 0.00 | 29.79 -0.06 0.00 | 34.82 -0.24 0.00 | 43.90 -0.32 -0.13 | 61.21 -0.35 -2.18 | 73.17 0.87 -0.28 | 52.98 0.84 0.00 | 46.15 0.95 0.00 | 43.80 0.95 0.00 |
| SITHE___OGDNSBRG 24021 | 28.33 0.36 0.00 | 28.46 0.24 0.00 | 39.13 0.38 -3.18 | 31.43 0.22 -1.89 | 32.70 0.15 -5.09 | 38.16 0.31 -4.87 | 32.88 0.30 -5.43 | 33.79 0.43 -5.39 | 34.66 0.50 -3.74 | 41.39 0.71 -2.17 | 51.36 1.14 0.00 | 36.59 0.67 0.00 | 33.95 0.47 0.00 | 27.24 0.44 0.00 | 28.11 0.46 0.00 | 26.46 0.35 0.00 | 30.06 0.21 0.00 | 35.06 0.01 0.00 | 44.75 0.16 -0.50 | 68.05 0.33 -8.34 | 74.77 1.90 -0.84 | 53.70 1.57 0.00 | 46.78 1.58 0.00 | 44.36 1.50 0.00 |
| SITHE___STERLING 23777 | 28.24 0.27 0.00 | 28.47 0.24 0.00 | 35.84 0.26 0.00 | 29.54 0.21 0.00 | 27.70 0.22 0.00 | 33.33 0.35 0.00 | 27.66 0.50 0.00 | 28.51 0.53 0.00 | 31.08 0.66 0.00 | 39.40 0.89 0.00 | 51.02 0.81 0.00 | 36.32 0.40 0.00 | 33.80 0.32 0.00 | 27.00 0.20 0.00 | 27.86 0.21 0.00 | 26.34 0.23 0.00 | 30.29 0.44 0.00 | 35.78 0.73 0.00 | 45.22 1.13 0.00 | 60.87 1.50 0.00 | 73.76 1.73 0.00 | 53.15 1.02 0.00 | 46.00 0.80 0.00 | 43.57 0.71 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 26.90 -1.07 0.00 | 27.14 -1.08 0.00 | 34.32 -1.26 0.00 | 28.12 -1.21 0.00 | 26.41 -1.07 0.00 | 31.82 -1.16 0.00 | 26.39 -0.76 0.00 | 27.11 -0.86 0.00 | 29.60 -0.81 0.00 | 37.53 -0.98 0.00 | 48.70 -1.51 0.00 | 34.99 -0.93 0.00 | 32.43 -1.05 0.00 | 25.90 -0.89 0.00 | 26.86 -0.79 0.00 | 25.38 -0.73 0.00 | 29.04 -0.81 0.00 | 34.21 -0.84 0.00 | 43.21 -0.88 0.00 | 58.14 -1.24 0.00 | 70.53 -1.50 0.00 | 51.06 -1.07 0.00 | 44.39 -0.81 0.00 | 42.17 -0.68 0.00 |
| SOUTH CAIRO___GT 23612 | 29.43 1.46 0.00 | 29.68 1.46 0.00 | 37.35 1.77 0.00 | 30.85 1.51 0.00 | 28.96 1.49 0.00 | 34.84 1.86 0.00 | 29.15 2.00 0.00 | 29.91 1.93 0.00 | 32.23 1.81 0.00 | 40.59 2.08 0.00 | 52.68 2.47 0.00 | 37.34 1.41 0.00 | 34.63 1.15 0.00 | 27.59 0.79 0.00 | 28.39 0.74 0.00 | 27.01 0.90 0.00 | 31.32 1.47 0.00 | 37.09 2.04 0.00 | 46.77 2.68 0.00 | 63.30 3.92 0.00 | 76.17 4.15 0.00 | 54.83 2.70 0.00 | 47.04 1.85 0.00 | 44.37 1.52 0.00 |
| SOUTH HAMPTN___IC 23720 | 30.78 1.53 -1.28 | 30.37 1.30 -0.85 | 36.83 1.26 0.01 | 30.50 1.17 0.01 | 28.66 1.19 0.01 | 34.69 1.55 -0.15 | 28.53 1.39 0.01 | 29.49 1.52 0.00 | 32.28 1.87 0.00 | 41.20 2.69 0.00 | 53.36 3.15 0.00 | 41.49 2.80 -2.77 | 39.76 3.17 -3.11 | 29.60 2.62 -0.18 | 30.35 2.45 -0.25 | 28.28 2.17 0.00 | 32.16 2.31 0.00 | 37.40 2.35 0.00 | 47.28 3.19 0.00 | 63.62 4.24 0.00 | 77.81 5.65 -0.12 | 55.90 3.77 0.01 | 48.52 2.89 -0.43 | 45.08 2.16 -0.06 |
| SOUTHDOW_115KV_TB1 355954 | 25.62 -2.35 0.00 | 26.17 -2.05 0.00 | 33.39 -2.18 0.00 | 27.05 -2.29 0.00 | 25.24 -2.23 0.00 | 30.67 -2.31 0.00 | 25.62 -1.53 0.00 | 26.45 -1.52 0.00 | 29.22 -1.20 0.00 | 36.85 -1.66 0.00 | 47.99 -2.22 0.00 | 34.45 -1.48 0.00 | 32.10 -1.38 0.00 | 25.61 -1.19 0.00 | 26.65 -0.99 0.00 | 25.08 -1.03 0.00 | 28.91 -0.94 0.00 | 34.34 -0.71 0.00 | 43.57 -0.53 0.00 | 58.28 -1.09 0.00 | 70.91 -1.12 0.00 | 51.35 -0.79 0.00 | 44.81 -0.39 0.00 | 42.56 -0.30 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 30.69 1.44 -1.28 | 30.08 1.01 -0.85 | 36.39 0.83 0.01 | 30.15 0.82 0.01 | 28.32 0.85 0.01 | 34.30 1.16 -0.15 | 28.24 1.10 0.01 | 29.26 1.28 0.00 | 32.00 1.58 0.00 | 40.88 2.37 0.00 | 52.87 2.66 0.00 | 41.13 2.45 -2.77 | 39.74 3.15 -3.11 | 29.75 2.77 -0.18 | 30.33 2.43 -0.25 | 28.09 1.98 0.00 | 32.07 2.22 0.00 | 37.21 2.15 0.00 | 46.87 2.78 0.00 | 63.16 3.78 0.00 | 78.04 5.89 -0.12 | 56.06 3.93 0.01 | 48.53 2.91 -0.43 | 45.06 2.15 -0.06 |
| SOUTHOLD___IC 23719 | 30.71 1.45 -1.28 | 30.08 1.01 -0.85 | 36.39 0.82 0.01 | 30.15 0.82 0.01 | 28.33 0.86 0.01 | 34.31 1.17 -0.15 | 28.24 1.09 0.01 | 29.25 1.27 0.00 | 31.99 1.57 0.00 | 40.88 2.37 0.00 | 52.87 2.66 0.00 | 41.13 2.44 -2.77 | 39.73 3.14 -3.11 | 29.75 2.77 -0.18 | 30.32 2.43 -0.25 | 28.09 1.98 0.00 | 32.07 2.23 0.00 | 37.20 2.15 0.00 | 46.87 2.78 0.00 | 63.15 3.78 0.00 | 78.04 5.89 -0.12 | 56.05 3.92 0.01 | 48.53 2.91 -0.43 | 45.07 2.16 -0.06 |
| SOUTH_FORK_WT_PWR 323839 | 30.44 1.19 -1.28 | 29.63 0.56 -0.85 | 35.78 0.21 0.01 | 29.64 0.31 0.01 | 27.85 0.38 0.01 | 33.74 0.60 -0.15 | 27.77 0.63 0.01 | 28.79 0.82 0.00 | 31.46 1.05 0.00 | 40.25 1.74 0.00 | 51.99 1.78 0.00 | 40.52 1.83 -2.77 | 39.43 2.83 -3.11 | 29.66 2.68 -0.18 | 30.06 2.18 -0.25 | 27.89 1.78 0.00 | 31.77 1.92 0.00 | 36.73 1.68 0.00 | 46.09 2.00 0.00 | 62.21 2.83 0.00 | 77.59 5.44 -0.12 | 55.74 3.61 0.01 | 48.20 2.57 -0.43 | 44.76 1.84 -0.06 |
| SPIERFLS_115KV_TB 1 80737 | 29.32 1.35 0.00 | 29.57 1.35 0.00 | 37.25 1.68 0.00 | 30.67 1.33 0.00 | 28.66 1.18 0.00 | 34.26 1.28 0.00 | 28.36 1.21 0.00 | 29.24 1.27 0.00 | 31.93 1.51 0.00 | 40.47 1.96 0.00 | 52.57 2.35 0.00 | 37.20 1.28 0.00 | 34.75 1.28 0.00 | 27.70 0.90 0.00 | 28.43 0.78 0.00 | 26.80 0.69 0.00 | 30.84 0.99 0.00 | 36.69 1.64 0.00 | 46.31 2.21 0.00 | 62.44 3.06 0.00 | 75.04 3.01 0.00 | 54.02 1.88 0.00 | 46.22 1.03 0.00 | 43.59 0.73 0.00 |
| ST LAWRENCE____ 23600 | 27.89 -0.08 0.00 | 28.07 -0.15 0.00 | 35.47 -0.11 0.00 | 29.17 -0.16 0.00 | 27.25 -0.22 0.00 | 32.77 -0.21 0.00 | 26.93 -0.23 0.00 | 27.83 -0.14 0.00 | 30.29 -0.13 0.00 | 38.43 -0.08 0.00 | 50.43 0.22 0.00 | 36.13 0.20 0.00 | 33.57 0.09 0.00 | 26.90 0.10 0.00 | 27.77 0.12 0.00 | 26.14 0.04 0.00 | 29.71 -0.14 0.00 | 34.74 -0.31 0.00 | 43.66 -0.44 0.00 | 58.84 -0.54 0.00 | 72.08 0.05 0.00 | 52.37 0.23 0.00 | 45.58 0.39 0.00 | 43.27 0.41 0.00 |
| STATE_CA_115KV_115_LB 55624 | 28.65 0.68 0.00 | 28.90 0.68 0.00 | 36.36 0.79 0.00 | 30.05 0.72 0.00 | 28.20 0.72 0.00 | 33.85 0.88 0.00 | 28.26 1.10 0.00 | 28.93 0.96 0.00 | 31.18 0.76 0.00 | 39.45 0.94 0.00 | 51.30 1.09 0.00 | 36.60 0.68 0.00 | 34.25 0.77 0.00 | 27.40 0.60 0.00 | 28.30 0.66 0.00 | 26.88 0.77 0.00 | 30.94 1.09 0.00 | 36.34 1.28 0.00 | 45.61 1.52 0.00 | 61.42 2.05 0.00 | 73.86 1.83 0.00 | 53.18 1.05 0.00 | 45.72 0.53 0.00 | 43.20 0.35 0.00 |

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|--|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|
| STATE_ST_34_KV_LOAD 55959 | 27.73 -0.24 0.00 | 28.00 -0.22 0.00 | 35.34 -0.23 0.00 | 29.00 -0.34 0.00 | 27.25 -0.22 0.00 | 32.79 -0.19 0.00 | 27.18 0.03 0.00 | 27.86 -0.12 0.00 | 30.30 -0.12 0.00 | 38.41 -0.10 0.00 | 49.87 -0.34 0.00 | 35.72 -0.21 0.00 | 33.21 -0.26 0.00 | 26.45 -0.35 0.00 | 27.29 -0.36 0.00 | 25.81 -0.30 0.00 | 29.62 -0.23 0.00 | 34.91 -0.14 0.00 | 44.06 -0.03 0.00 | 59.27 -0.10 0.00 | 71.98 -0.05 0.00 | 52.09 -0.05 0.00 | 45.19 -0.01 0.00 | 42.91 0.06 0.00 |
| STATION 5_MISC_HYD 23604 | 26.68 -1.29 0.00 | 26.92 -1.30 0.00 | 34.08 -1.50 0.00 | 27.87 -1.47 0.00 | 26.16 -1.31 0.00 | 31.57 -1.41 0.00 | 26.12 -1.04 0.00 | 26.83 -1.14 0.00 | 29.38 -1.04 0.00 | 37.28 -1.23 0.00 | 48.50 -1.71 0.00 | 34.93 -0.99 0.00 | 32.34 -1.13 0.00 | 25.85 -0.95 0.00 | 26.85 -0.80 0.00 | 25.32 -0.79 0.00 | 28.94 -0.91 0.00 | 34.07 -0.98 0.00 | 42.99 -1.10 0.00 | 57.86 -1.52 0.00 | 70.22 -1.81 0.00 | 50.90 -1.24 0.00 | 44.34 -0.85 0.00 | 42.16 -0.69 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 27.20 -0.77 0.00 | 27.44 -0.78 0.00 | 34.69 -0.88 0.00 | 28.46 -0.88 0.00 | 26.71 -0.76 0.00 | 32.21 -0.77 0.00 | 26.73 -0.42 0.00 | 27.49 -0.49 0.00 | 30.02 -0.40 0.00 | 38.01 -0.50 0.00 | 49.33 -0.88 0.00 | 35.46 -0.46 0.00 | 32.89 -0.59 0.00 | 26.26 -0.54 0.00 | 27.21 -0.44 0.00 | 25.69 -0.42 0.00 | 29.43 -0.42 0.00 | 34.68 -0.37 0.00 | 43.80 -0.30 0.00 | 58.89 -0.49 0.00 | 71.36 -0.67 0.00 | 51.67 -0.46 0.00 | 44.90 -0.30 0.00 | 42.66 -0.20 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 26.59 -1.38 0.00 | 26.83 -1.39 0.00 | 33.96 -1.61 0.00 | 27.79 -1.55 0.00 | 26.08 -1.39 0.00 | 31.45 -1.53 0.00 | 26.02 -1.13 0.00 | 26.73 -1.24 0.00 | 29.27 -1.15 0.00 | 37.14 -1.37 0.00 | 48.31 -1.90 0.00 | 34.78 -1.15 0.00 | 32.17 -1.31 0.00 | 25.74 -1.06 0.00 | 26.75 -0.89 0.00 | 25.23 -0.88 0.00 | 28.85 -1.00 0.00 | 33.92 -1.13 0.00 | 42.83 -1.27 0.00 | 57.63 -1.75 0.00 | 69.95 -2.09 0.00 | 50.68 -1.46 0.00 | 44.16 -1.04 0.00 | 41.97 -0.89 0.00 |
| STA_56___34_KV_BUS2 355983 | 26.59 -1.38 0.00 | 26.83 -1.39 0.00 | 33.96 -1.61 0.00 | 27.79 -1.55 0.00 | 26.08 -1.39 0.00 | 31.45 -1.53 0.00 | 26.02 -1.13 0.00 | 26.73 -1.24 0.00 | 29.27 -1.15 0.00 | 37.14 -1.37 0.00 | 48.31 -1.90 0.00 | 34.78 -1.15 0.00 | 32.17 -1.31 0.00 | 25.74 -1.06 0.00 | 26.75 -0.89 0.00 | 25.23 -0.88 0.00 | 28.85 -1.00 0.00 | 33.92 -1.13 0.00 | 42.83 -1.27 0.00 | 57.63 -1.75 0.00 | 69.95 -2.09 0.00 | 50.68 -1.46 0.00 | 44.16 -1.04 0.00 | 41.97 -0.89 0.00 |
| STA_67___115KV_BK2 355882 | 26.62 -1.35 0.00 | 26.86 -1.36 0.00 | 34.01 -1.57 0.00 | 27.81 -1.52 0.00 | 26.10 -1.37 0.00 | 31.48 -1.50 0.00 | 26.04 -1.12 0.00 | 26.74 -1.23 0.00 | 29.29 -1.12 0.00 | 37.17 -1.34 0.00 | 48.35 -1.86 0.00 | 34.81 -1.11 0.00 | 32.20 -1.28 0.00 | 25.77 -1.03 0.00 | 26.77 -0.87 0.00 | 25.25 -0.86 0.00 | 28.88 -0.97 0.00 | 33.95 -1.10 0.00 | 42.87 -1.23 0.00 | 57.68 -1.69 0.00 | 70.02 -2.01 0.00 | 50.76 -1.38 0.00 | 44.23 -0.96 0.00 | 42.07 -0.79 0.00 |
| STA_7___115KV_9TRANS 80674 | 26.80 -1.17 0.00 | 27.03 -1.19 0.00 | 34.22 -1.35 0.00 | 27.98 -1.35 0.00 | 26.27 -1.21 0.00 | 31.68 -1.30 0.00 | 26.23 -0.93 0.00 | 26.94 -1.03 0.00 | 29.51 -0.91 0.00 | 37.47 -1.04 0.00 | 48.74 -1.48 0.00 | 35.09 -0.84 0.00 | 32.44 -1.05 0.00 | 25.96 -0.84 0.00 | 26.98 -0.66 0.00 | 25.45 -0.66 0.00 | 29.11 -0.74 0.00 | 34.25 -0.80 0.00 | 43.26 -0.83 0.00 | 58.22 -1.16 0.00 | 70.68 -1.35 0.00 | 51.21 -0.93 0.00 | 44.60 -0.60 0.00 | 42.39 -0.46 0.00 |
| STA_82___115KV_TB1 80780 | 26.62 -1.35 0.00 | 26.86 -1.36 0.00 | 34.01 -1.57 0.00 | 27.81 -1.52 0.00 | 26.10 -1.37 0.00 | 31.48 -1.50 0.00 | 26.04 -1.12 0.00 | 26.75 -1.23 0.00 | 29.30 -1.12 0.00 | 37.17 -1.34 0.00 | 48.34 -1.87 0.00 | 34.81 -1.11 0.00 | 32.20 -1.28 0.00 | 25.77 -1.03 0.00 | 26.77 -0.87 0.00 | 25.25 -0.86 0.00 | 28.88 -0.97 0.00 | 33.95 -1.10 0.00 | 42.87 -1.23 0.00 | 57.69 -1.69 0.00 | 70.03 -2.00 0.00 | 50.76 -1.37 0.00 | 44.24 -0.96 0.00 | 42.07 -0.79 0.00 |
| STEEL___WIND 323596 | 25.09 -2.31 0.57 | 23.61 -2.31 2.31 | 32.98 -2.59 0.00 | 26.82 -2.52 0.00 | 25.18 -2.30 0.00 | 29.01 -2.55 1.41 | 21.15 -2.01 3.99 | 22.15 -2.16 3.66 | 24.28 -1.98 4.16 | 30.64 -2.39 5.48 | 40.38 -3.14 6.69 | 28.80 -1.94 5.19 | 26.30 -1.97 5.21 | 23.92 -1.69 1.19 | 26.16 -1.48 0.00 | 24.63 -1.48 0.00 | 27.83 -1.71 0.31 | 28.35 -1.97 4.73 | 35.23 -2.29 6.58 | 48.45 -3.17 7.75 | 61.59 -3.56 6.89 | 49.35 -2.39 0.39 | 43.55 -1.64 0.00 | 41.58 -1.27 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 28.81 0.84 0.00 | 29.05 0.83 0.00 | 36.54 0.97 0.00 | 30.15 0.81 0.00 | 28.31 0.84 0.00 | 34.09 1.12 0.00 | 28.46 1.31 0.00 | 29.12 1.14 0.00 | 31.35 0.93 0.00 | 39.78 1.27 0.00 | 51.68 1.47 0.00 | 36.80 0.87 0.00 | 34.45 0.97 0.00 | 27.51 0.71 0.00 | 28.42 0.77 0.00 | 26.99 0.88 0.00 | 31.12 1.27 0.00 | 36.49 1.44 0.00 | 46.10 2.01 0.00 | 61.91 2.54 0.00 | 74.47 2.44 0.00 | 53.49 1.36 0.00 | 46.03 0.83 0.00 | 43.47 0.61 0.00 |
| STEUBEN_REC_LFGE 323667 | 27.28 -2.84 -2.15 | 34.13 -2.74 -8.66 | 32.22 -3.35 0.00 | 26.46 -2.87 0.00 | 24.93 -2.54 0.00 | 35.21 -3.07 -5.31 | 39.81 -2.33 -14.98 | 38.99 -2.36 -13.38 | 43.15 -2.49 -15.22 | 55.31 -3.26 -20.06 | 70.39 -4.32 -24.50 | 51.73 -3.19 -19.00 | 49.31 -3.25 -19.08 | 28.48 -2.68 -4.36 | 25.31 -2.33 0.00 | 23.69 -2.42 0.00 | 28.65 -2.34 -1.14 | 49.60 -2.74 -17.29 | 65.55 -2.59 -24.05 | 83.26 -4.43 -28.32 | 92.03 -5.17 -25.17 | 49.75 -3.83 -1.44 | 42.24 -2.96 0.00 | 40.42 -2.44 0.00 |
| STILLWATER___SOLAR 323814 | 29.14 1.17 0.00 | 29.41 1.20 0.00 | 37.01 1.43 0.00 | 30.56 1.23 0.00 | 28.62 1.15 0.00 | 34.37 1.39 0.00 | 28.80 1.65 0.00 | 29.85 1.88 0.00 | 32.16 1.74 0.00 | 40.74 2.23 0.00 | 52.96 2.75 0.00 | 37.71 1.79 0.00 | 35.03 1.55 0.00 | 27.97 1.17 0.00 | 28.75 1.11 0.00 | 27.14 1.03 0.00 | 31.19 1.34 0.00 | 37.00 1.95 0.00 | 46.64 2.54 0.00 | 62.88 3.51 0.00 | 75.65 3.61 0.00 | 54.41 2.27 0.00 | 46.68 1.48 0.00 | 44.04 1.19 0.00 |
| STONY___BROOK 24151 | 30.88 1.54 -1.37 | 30.68 1.54 -0.91 | 37.21 1.64 0.01 | 30.78 1.45 0.01 | 28.91 1.44 0.01 | 35.01 1.86 -0.17 | 28.82 1.67 0.01 | 29.81 1.84 0.00 | 32.59 2.18 0.00 | 41.49 2.98 0.00 | 53.80 3.59 0.00 | 41.89 3.11 -2.85 | 39.82 3.16 -3.18 | 29.44 2.46 -0.19 | 30.32 2.42 -0.26 | 28.34 2.23 0.00 | 32.18 2.33 0.00 | 37.57 2.52 0.00 | 47.63 3.54 0.00 | 63.89 4.52 0.00 | 77.28 5.12 -0.12 | 55.62 3.49 0.01 | 48.43 2.79 -0.45 | 45.03 2.11 -0.06 |
| STURGEON_POOL_HYD 23609 | 29.05 1.09 0.00 | 29.33 1.11 0.00 | 36.86 1.29 0.00 | 30.48 1.15 0.00 | 28.59 1.12 0.00 | 34.38 1.40 0.00 | 28.76 1.61 0.00 | 29.84 1.87 0.00 | 32.43 2.01 0.00 | 41.02 2.51 0.00 | 53.30 3.09 0.00 | 38.19 2.27 0.00 | 35.69 2.21 0.00 | 28.49 1.69 0.00 | 29.37 1.73 0.00 | 27.72 1.61 0.00 | 31.79 1.94 0.00 | 37.36 2.31 0.00 | 47.07 2.97 0.00 | 63.32 3.94 0.00 | 76.14 4.10 0.00 | 54.69 2.55 0.00 | 46.99 1.79 0.00 | 44.30 1.45 0.00 |
| ST_LAW_115_BK7_LBMP 345037 | 27.90 -0.07 0.00 | 28.08 -0.14 0.00 | 35.47 -0.10 0.00 | 29.17 -0.16 0.00 | 27.25 -0.22 0.00 | 32.78 -0.20 0.00 | 26.93 -0.22 0.00 | 27.84 -0.13 0.00 | 30.30 -0.12 0.00 | 38.44 -0.07 0.00 | 50.46 0.25 0.00 | 36.14 0.22 0.00 | 33.58 0.10 0.00 | 26.91 0.11 0.00 | 27.77 0.13 0.00 | 26.15 0.04 0.00 | 29.70 -0.15 0.00 | 34.72 -0.33 0.00 | 43.62 -0.47 0.00 | 58.81 -0.56 0.00 | 72.12 0.08 0.00 | 52.41 0.27 0.00 | 45.64 0.45 0.00 | 43.32 0.46 0.00 |

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| ST_LAW_115_BK8_LBMP 345038 | 27.90 -0.07 0.00 | 28.08 -0.14 0.00 | 35.47 -0.10 0.00 | 29.17 -0.16 0.00 | 27.25 -0.22 0.00 | 32.78 -0.20 0.00 | 26.93 -0.22 0.00 | 27.84 -0.13 0.00 | 30.30 -0.12 0.00 | 38.44 -0.07 0.00 | 50.46 0.25 0.00 | 36.14 0.22 0.00 | 33.58 0.10 0.00 | 26.91 0.11 0.00 | 27.77 0.13 0.00 | 26.15 0.04 0.00 | 29.70 -0.15 0.00 | 34.72 -0.33 0.00 | 43.62 -0.47 0.00 | 58.81 -0.56 0.00 | 72.12 0.08 0.00 | 52.41 0.27 0.00 | 45.64 0.45 0.00 | 43.32 0.46 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 27.89 -0.08 0.00 | 28.07 -0.15 0.00 | 35.47 -0.11 0.00 | 29.17 -0.16 0.00 | 27.25 -0.22 0.00 | 32.77 -0.21 0.00 | 26.93 -0.23 0.00 | 27.83 -0.14 0.00 | 30.29 -0.13 0.00 | 38.43 -0.08 0.00 | 50.43 0.22 0.00 | 36.13 0.20 0.00 | 33.57 0.09 0.00 | 26.90 0.10 0.00 | 27.77 0.12 0.00 | 26.14 0.04 0.00 | 29.71 -0.14 0.00 | 34.74 -0.31 0.00 | 43.66 -0.44 0.00 | 58.84 -0.54 0.00 | 72.08 0.05 0.00 | 52.37 0.23 0.00 | 45.58 0.39 0.00 | 43.27 0.41 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 27.89 -0.08 0.00 | 28.07 -0.15 0.00 | 35.47 -0.11 0.00 | 29.17 -0.16 0.00 | 27.25 -0.22 0.00 | 32.77 -0.21 0.00 | 26.93 -0.23 0.00 | 27.83 -0.14 0.00 | 30.29 -0.13 0.00 | 38.43 -0.08 0.00 | 50.43 0.22 0.00 | 36.13 0.20 0.00 | 33.57 0.09 0.00 | 26.90 0.10 0.00 | 27.77 0.12 0.00 | 26.14 0.04 0.00 | 29.71 -0.14 0.00 | 34.74 -0.31 0.00 | 43.66 -0.44 0.00 | 58.84 -0.54 0.00 | 72.08 0.05 0.00 | 52.37 0.23 0.00 | 45.58 0.39 0.00 | 43.27 0.41 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 28.81 0.84 0.00 | 29.07 0.85 0.00 | 36.56 0.98 0.00 | 30.21 0.87 0.00 | 28.34 0.86 0.00 | 34.08 1.11 0.00 | 28.50 1.35 0.00 | 29.58 1.61 0.00 | 32.12 1.70 0.00 | 40.62 2.11 0.00 | 52.76 2.55 0.00 | 37.79 1.87 0.00 | 35.37 1.90 0.00 | 28.27 1.48 0.00 | 29.11 1.47 0.00 | 27.49 1.39 0.00 | 31.54 1.70 0.00 | 37.05 1.99 0.00 | 46.62 2.53 0.00 | 62.70 3.32 0.00 | 75.38 3.34 0.00 | 54.18 2.05 0.00 | 46.56 1.37 0.00 | 43.94 1.08 0.00 |
| SWANROAD_115KV_TB1 355699 | 24.26 -2.97 0.75 | 22.19 -3.02 3.00 | 32.10 -3.47 0.00 | 26.13 -3.20 0.00 | 24.55 -2.92 0.00 | 27.69 -3.44 1.84 | 19.13 -2.82 5.20 | 20.26 -3.05 4.67 | 22.16 -2.96 5.30 | 27.96 -3.56 6.99 | 36.97 -4.70 8.53 | 26.27 -3.04 6.62 | 23.70 -3.13 6.65 | 22.76 -2.52 1.52 | 25.37 -2.28 0.00 | 23.86 -2.25 0.00 | 26.83 -2.62 0.40 | 25.85 -3.17 6.03 | 31.94 -3.76 8.39 | 44.34 -5.16 9.88 | 57.26 -5.99 8.78 | 47.58 -4.06 0.50 | 42.28 -2.92 0.00 | 40.59 -2.27 0.00 |
| SYNERGY___BIOGAS 323694 | 25.80 -1.64 0.53 | 24.41 -1.67 2.13 | 33.72 -1.86 0.00 | 27.49 -1.85 0.00 | 25.83 -1.65 0.00 | 29.91 -1.76 1.31 | 22.18 -1.28 3.69 | 23.28 -1.38 3.32 | 25.44 -1.20 3.77 | 32.11 -1.43 4.97 | 42.11 -2.04 6.07 | 30.10 -1.11 4.71 | 27.21 -1.54 4.73 | 24.54 -0.96 1.08 | 26.69 -1.00 0.00 | 25.11 -1.00 0.00 | 28.52 -1.04 0.28 | 29.65 -1.11 4.29 | 36.94 -1.18 5.97 | 50.75 -1.60 7.03 | 64.01 -1.78 6.25 | 50.58 -1.21 0.36 | 44.50 -0.70 0.00 | 42.43 -0.42 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 27.70 -0.27 0.00 | 27.94 -0.28 0.00 | 35.24 -0.33 0.00 | 29.02 -0.32 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.13 0.00 | 27.76 -0.21 0.00 | 30.19 -0.22 0.00 | 38.21 -0.30 0.00 | 49.65 -0.56 0.00 | 35.56 -0.36 0.00 | 33.11 -0.37 0.00 | 26.49 -0.31 0.00 | 27.30 -0.34 0.00 | 25.83 -0.28 0.00 | 29.60 -0.25 0.00 | 34.83 -0.22 0.00 | 43.91 -0.18 0.00 | 59.09 -0.29 0.00 | 71.56 -0.47 0.00 | 51.79 -0.34 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 27.70 -0.27 0.00 | 27.94 -0.28 0.00 | 35.24 -0.33 0.00 | 29.02 -0.32 0.00 | 27.20 -0.27 0.00 | 32.68 -0.30 0.00 | 27.03 -0.13 0.00 | 27.76 -0.21 0.00 | 30.19 -0.22 0.00 | 38.21 -0.30 0.00 | 49.65 -0.56 0.00 | 35.56 -0.36 0.00 | 33.11 -0.37 0.00 | 26.49 -0.31 0.00 | 27.30 -0.34 0.00 | 25.83 -0.28 0.00 | 29.60 -0.25 0.00 | 34.83 -0.22 0.00 | 43.91 -0.18 0.00 | 59.09 -0.29 0.00 | 71.56 -0.47 0.00 | 51.79 -0.34 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |
| SYRACUSE___POWER 24017 | 27.67 -0.30 0.00 | 27.91 -0.31 0.00 | 35.21 -0.36 0.00 | 29.00 -0.34 0.00 | 27.18 -0.29 0.00 | 32.66 -0.31 0.00 | 27.01 -0.14 0.00 | 27.78 -0.20 0.00 | 30.22 -0.19 0.00 | 38.24 -0.27 0.00 | 49.69 -0.52 0.00 | 35.59 -0.33 0.00 | 33.15 -0.33 0.00 | 26.51 -0.29 0.00 | 27.33 -0.31 0.00 | 25.84 -0.27 0.00 | 29.63 -0.23 0.00 | 34.86 -0.19 0.00 | 43.96 -0.13 0.00 | 59.16 -0.22 0.00 | 71.62 -0.41 0.00 | 51.83 -0.31 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |
| TALLMAN___138KV_BK151 55660 | 28.89 0.92 0.00 | 29.14 0.92 0.00 | 36.65 1.08 0.00 | 30.29 0.95 0.00 | 28.41 0.94 0.00 | 34.20 1.23 0.00 | 28.64 1.48 0.00 | 29.75 1.77 0.00 | 32.31 1.89 0.00 | 40.87 2.36 0.00 | 53.09 2.88 0.00 | 38.05 2.13 0.00 | 35.66 2.18 0.00 | 28.50 1.70 0.00 | 29.34 1.70 0.00 | 27.72 1.61 0.00 | 31.78 1.93 0.00 | 37.28 2.23 0.00 | 46.89 2.80 0.00 | 63.04 3.66 0.00 | 75.70 3.67 0.00 | 54.40 2.27 0.00 | 46.73 1.54 0.00 | 44.08 1.22 0.00 |
| TEALLAVE_115KV_TB7 355573 | 27.58 -0.39 0.00 | 27.82 -0.40 0.00 | 35.09 -0.48 0.00 | 28.90 -0.43 0.00 | 27.09 -0.38 0.00 | 32.54 -0.44 0.00 | 26.89 -0.26 0.00 | 27.65 -0.32 0.00 | 30.09 -0.33 0.00 | 38.07 -0.44 0.00 | 49.48 -0.73 0.00 | 35.44 -0.49 0.00 | 33.00 -0.48 0.00 | 26.42 -0.38 0.00 | 27.25 -0.40 0.00 | 25.76 -0.35 0.00 | 29.51 -0.35 0.00 | 34.71 -0.34 0.00 | 43.74 -0.35 0.00 | 58.86 -0.52 0.00 | 71.25 -0.78 0.00 | 51.57 -0.56 0.00 | 44.74 -0.45 0.00 | 42.49 -0.36 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 25.02 -2.26 0.69 | 23.17 -2.30 2.76 | 32.97 -2.60 0.00 | 26.85 -2.49 0.00 | 25.22 -2.25 0.00 | 28.71 -2.58 1.69 | 20.36 -2.03 4.77 | 21.49 -2.20 4.29 | 23.49 -2.05 4.87 | 29.65 -2.44 6.42 | 39.07 -3.30 7.84 | 27.80 -2.05 6.08 | 25.10 -2.28 6.11 | 23.59 -1.81 1.40 | 26.09 -1.56 0.00 | 24.55 -1.56 0.00 | 27.72 -1.77 0.36 | 27.41 -2.10 5.54 | 33.97 -2.41 7.70 | 47.00 -3.30 9.08 | 60.17 -3.79 8.06 | 49.11 -2.56 0.46 | 43.44 -1.76 0.00 | 41.53 -1.32 0.00 |
| TEMPLE___115KV_TB 2 55572 | 27.58 -0.39 0.00 | 27.82 -0.39 0.00 | 35.10 -0.47 0.00 | 28.91 -0.43 0.00 | 27.10 -0.38 0.00 | 32.55 -0.43 0.00 | 26.91 -0.25 0.00 | 27.66 -0.32 0.00 | 30.10 -0.32 0.00 | 38.09 -0.42 0.00 | 49.49 -0.72 0.00 | 35.46 -0.46 0.00 | 33.02 -0.46 0.00 | 26.43 -0.37 0.00 | 27.26 -0.38 0.00 | 25.78 -0.34 0.00 | 29.53 -0.32 0.00 | 34.73 -0.32 0.00 | 43.77 -0.33 0.00 | 58.88 -0.49 0.00 | 71.28 -0.76 0.00 | 51.58 -0.55 0.00 | 44.76 -0.43 0.00 | 42.51 -0.35 0.00 |
| TIANA____69_KV_BK 1 55817 | 30.80 1.54 -1.28 | 30.47 1.40 -0.85 | 36.96 1.39 0.01 | 30.61 1.29 0.01 | 28.75 1.28 0.01 | 34.80 1.67 -0.15 | 28.63 1.48 0.01 | 29.58 1.61 0.00 | 32.38 1.96 0.00 | 41.31 2.80 0.00 | 53.53 3.32 0.00 | 41.61 2.92 -2.77 | 39.80 3.21 -3.11 | 29.57 2.59 -0.18 | 30.36 2.48 -0.25 | 28.32 2.21 0.00 | 32.19 2.34 0.00 | 37.47 2.42 0.00 | 47.42 3.33 0.00 | 63.78 4.41 0.00 | 77.77 5.62 -0.12 | 55.88 3.75 0.01 | 48.53 2.90 -0.43 | 45.08 2.17 -0.06 |
| TILDEN___115KV_TB1 80814 | 27.67 -0.30 0.00 | 27.91 -0.31 0.00 | 35.21 -0.36 0.00 | 29.00 -0.34 0.00 | 27.18 -0.29 0.00 | 32.66 -0.31 0.00 | 27.01 -0.14 0.00 | 27.78 -0.20 0.00 | 30.22 -0.19 0.00 | 38.24 -0.27 0.00 | 49.69 -0.52 0.00 | 35.59 -0.33 0.00 | 33.15 -0.33 0.00 | 26.51 -0.29 0.00 | 27.33 -0.31 0.00 | 25.84 -0.27 0.00 | 29.63 -0.23 0.00 | 34.86 -0.19 0.00 | 43.96 -0.13 0.00 | 59.16 -0.22 0.00 | 71.62 -0.41 0.00 | 51.83 -0.31 0.00 | 44.94 -0.26 0.00 | 42.67 -0.19 0.00 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|
| TRIGEN___CC 323695 | 40.01 1.45 -10.59 | 36.80 1.51 -7.06 | 37.25 1.67 -0.01 | 30.79 1.44 -0.01 | 28.90 1.42 -0.01 | 36.16 1.83 -1.35 | 28.93 1.77 -0.01 | 29.93 1.96 0.00 | 32.61 2.19 0.00 | 41.33 2.82 0.00 | 53.67 3.46 0.00 | 57.00 2.79 -18.28 | 51.07 2.79 -14.79 | 30.43 2.16 -1.47 | 31.88 2.23 -2.00 | 28.09 1.99 0.00 | 32.03 2.18 0.00 | 37.49 2.44 0.00 | 47.41 3.32 0.00 | 63.63 4.25 0.00 | 77.61 4.61 -0.98 | 55.16 3.02 -0.01 | 51.01 2.33 -3.49 | 45.21 1.85 -0.50 |
| TRINITY___115KV___4 BK 55933 | 28.56 0.58 0.00 | 28.81 0.59 0.00 | 36.23 0.66 0.00 | 29.96 0.63 0.00 | 28.10 0.63 0.00 | 33.75 0.77 0.00 | 28.16 1.01 0.00 | 28.82 0.85 0.00 | 31.05 0.64 0.00 | 39.27 0.76 0.00 | 51.09 0.88 0.00 | 36.46 0.53 0.00 | 34.11 0.62 0.00 | 27.30 0.50 0.00 | 28.21 0.57 0.00 | 26.78 0.67 0.00 | 30.82 0.96 0.00 | 36.18 1.13 0.00 | 45.41 1.32 0.00 | 61.16 1.79 0.00 | 73.53 1.50 0.00 | 52.96 0.83 0.00 | 45.54 0.34 0.00 | 43.03 0.18 0.00 |
| UNION___PROCESSING_DRP 323587 | 26.62 -1.35 0.00 | 26.87 -1.35 0.00 | 34.01 -1.56 0.00 | 27.82 -1.51 0.00 | 26.11 -1.37 0.00 | 31.48 -1.50 0.00 | 26.05 -1.11 0.00 | 26.75 -1.22 0.00 | 29.30 -1.11 0.00 | 37.18 -1.34 0.00 | 48.36 -1.85 0.00 | 34.81 -1.11 0.00 | 32.20 -1.28 0.00 | 25.77 -1.03 0.00 | 26.78 -0.86 0.00 | 25.25 -0.86 0.00 | 28.88 -0.97 0.00 | 33.96 -1.10 0.00 | 42.88 -1.22 0.00 | 57.69 -1.68 0.00 | 70.05 -1.98 0.00 | 50.77 -1.36 0.00 | 44.25 -0.95 0.00 | 42.08 -0.78 0.00 |
| UPPER HUDSON___HYD 24058 | 29.32 1.35 0.00 | 29.57 1.35 0.00 | 37.25 1.68 0.00 | 30.67 1.33 0.00 | 28.66 1.18 0.00 | 34.26 1.28 0.00 | 28.36 1.21 0.00 | 29.24 1.27 0.00 | 31.93 1.51 0.00 | 40.47 1.96 0.00 | 52.56 2.35 0.00 | 37.19 1.27 0.00 | 34.74 1.26 0.00 | 27.69 0.89 0.00 | 28.42 0.78 0.00 | 26.80 0.69 0.00 | 30.84 0.99 0.00 | 36.69 1.64 0.00 | 46.31 2.22 0.00 | 62.44 3.06 0.00 | 75.04 3.01 0.00 | 54.02 1.88 0.00 | 46.22 1.03 0.00 | 43.59 0.73 0.00 |
| UPPER RAQUET___HYD 24056 | 27.34 -0.63 0.00 | 27.45 -0.77 0.00 | 39.16 -0.93 -4.52 | 31.16 -0.86 -2.68 | 33.83 -0.88 -7.24 | 38.97 -0.95 -6.94 | 34.15 -0.74 -7.74 | 35.02 -0.64 -7.68 | 35.10 -0.65 -5.33 | 40.93 -0.68 -3.10 | 49.59 -0.62 0.00 | 35.36 -0.57 0.00 | 32.73 -0.74 0.00 | 26.25 -0.55 0.00 | 27.09 -0.55 0.00 | 25.49 -0.62 0.00 | 28.95 -0.90 0.00 | 33.84 -1.21 0.00 | 43.35 -1.47 -0.73 | 69.77 -1.85 -12.25 | 72.57 -0.66 -1.20 | 51.82 -0.32 0.00 | 45.18 -0.02 0.00 | 42.82 -0.04 0.00 |
| VALLEY44_115KV_TB2 355964 | 26.10 -1.87 0.00 | 26.32 -1.89 0.00 | 33.59 -1.98 0.00 | 27.42 -1.92 0.00 | 25.71 -1.76 0.00 | 31.09 -1.89 0.00 | 25.67 -1.48 0.00 | 26.40 -1.57 0.00 | 28.98 -1.43 0.00 | 36.78 -1.73 0.00 | 47.96 -2.25 0.00 | 34.55 -1.37 0.00 | 32.18 -1.30 0.00 | 25.63 -1.17 0.00 | 26.63 -1.01 0.00 | 24.92 -1.19 0.00 | 28.51 -1.34 0.00 | 33.43 -1.62 0.00 | 42.28 -1.81 0.00 | 56.71 -2.66 0.00 | 69.04 -2.99 0.00 | 50.39 -1.74 0.00 | 44.02 -1.18 0.00 | 41.94 -0.92 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 27.95 -0.02 0.00 | 28.21 -0.01 0.00 | 35.49 -0.08 0.00 | 29.35 0.02 0.00 | 27.47 0.00 0.00 | 32.94 -0.04 0.00 | 27.31 0.16 0.00 | 28.15 0.18 0.00 | 30.52 0.10 0.00 | 38.83 0.32 0.00 | 50.40 0.19 0.00 | 35.61 -0.32 0.00 | 33.39 -0.09 0.00 | 26.50 -0.30 0.00 | 27.14 -0.50 0.00 | 25.71 -0.40 0.00 | 29.68 -0.17 0.00 | 35.23 0.18 0.00 | 44.34 0.25 0.00 | 59.75 0.38 0.00 | 71.90 -0.14 0.00 | 51.73 -0.41 0.00 | 44.49 -0.70 0.00 | 41.98 -0.88 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 28.85 0.88 0.00 | 29.13 0.91 0.00 | 36.72 1.15 0.00 | 30.31 0.98 0.00 | 28.41 0.94 0.00 | 34.14 1.16 0.00 | 28.38 1.23 0.00 | 29.31 1.33 0.00 | 32.04 1.63 0.00 | 40.55 2.04 0.00 | 52.71 2.50 0.00 | 37.69 1.76 0.00 | 35.17 1.70 0.00 | 28.06 1.26 0.00 | 28.73 1.09 0.00 | 27.14 1.04 0.00 | 31.15 1.30 0.00 | 36.64 1.59 0.00 | 46.14 2.05 0.00 | 62.09 2.72 0.00 | 74.96 2.93 0.00 | 54.04 1.91 0.00 | 46.65 1.46 0.00 | 44.16 1.30 0.00 |
| VISCHER___FERRY HYD 24020 | 28.82 0.86 0.00 | 29.10 0.88 0.00 | 36.58 1.01 0.00 | 30.23 0.90 0.00 | 28.35 0.88 0.00 | 34.08 1.10 0.00 | 28.45 1.30 0.00 | 29.38 1.41 0.00 | 31.80 1.38 0.00 | 40.25 1.74 0.00 | 52.33 2.12 0.00 | 37.28 1.35 0.00 | 34.78 1.30 0.00 | 27.83 1.04 0.00 | 28.68 1.03 0.00 | 27.03 0.92 0.00 | 31.03 1.18 0.00 | 36.57 1.52 0.00 | 46.03 1.94 0.00 | 62.05 2.67 0.00 | 74.59 2.56 0.00 | 53.70 1.57 0.00 | 46.12 0.93 0.00 | 43.56 0.71 0.00 |
| V_A_10_SYNC_DSASP 323832 | 25.30 -2.15 0.52 | 23.97 -2.15 2.10 | 33.09 -2.48 0.00 | 26.97 -2.37 0.00 | 25.31 -2.16 0.00 | 29.29 -2.40 1.29 | 21.61 -1.92 3.63 | 22.62 -2.10 3.26 | 24.74 -1.97 3.70 | 31.28 -2.36 4.88 | 41.11 -3.14 5.96 | 29.36 -1.95 4.62 | 26.85 -1.99 4.64 | 24.04 -1.70 1.06 | 26.10 -1.54 0.00 | 24.56 -1.55 0.00 | 27.79 -1.79 0.28 | 28.76 -2.08 4.21 | 35.77 -2.47 5.86 | 49.08 -3.40 6.90 | 61.90 -4.00 6.13 | 49.10 -2.69 0.35 | 43.26 -1.94 0.00 | 41.26 -1.60 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 28.04 0.07 0.00 | 28.22 0.00 0.00 | 35.66 0.08 0.00 | 29.32 -0.02 0.00 | 27.39 -0.08 0.00 | 32.95 -0.03 0.00 | 27.07 -0.08 0.00 | 27.98 0.01 0.00 | 30.46 0.04 0.00 | 38.65 0.14 0.00 | 50.72 0.51 0.00 | 36.34 0.41 0.00 | 33.76 0.28 0.00 | 27.05 0.25 0.00 | 27.92 0.27 0.00 | 26.29 0.18 0.00 | 29.85 0.00 0.00 | 34.90 -0.15 0.00 | 43.87 -0.22 0.00 | 59.13 -0.25 0.00 | 72.50 0.47 0.00 | 52.68 0.54 0.00 | 45.88 0.68 0.00 | 43.54 0.69 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 27.61 -0.36 0.00 | 27.80 -0.42 0.00 | 7.70 -0.62 27.25 | 12.54 -0.62 16.18 | -16.90 -0.72 43.65 | -47.82 -1.01 79.79 | -20.85 -0.76 47.25 | -20.88 -0.66 48.19 | -3.59 -0.54 33.47 | 18.58 -0.51 19.42 | 50.65 0.44 0.00 | 36.28 0.36 0.00 | 33.53 0.06 0.00 | 26.90 0.10 0.00 | 27.68 0.04 0.00 | 26.04 -0.07 0.00 | 29.53 -0.32 0.00 | 34.43 -0.63 0.00 | 38.46 -0.93 4.70 | -20.41 -1.33 78.45 | 64.28 -0.46 7.29 | 52.29 0.16 0.00 | 45.75 0.55 0.00 | 43.32 0.46 0.00 |
| V_D_10_SYNC_DSASP 323841 | 28.08 0.11 0.00 | 28.24 0.02 0.00 | 36.70 0.12 -1.01 | 29.94 0.00 -0.60 | 29.02 -0.06 -1.62 | 34.51 0.01 -1.52 | 28.82 -0.04 -1.70 | 29.73 0.07 -1.68 | 31.69 0.10 -1.17 | 39.42 0.23 -0.68 | 50.81 0.60 0.00 | 36.37 0.45 0.00 | 33.76 0.29 0.00 | 27.05 0.25 0.00 | 27.88 0.23 0.00 | 26.23 0.12 0.00 | 29.80 -0.06 0.00 | 34.83 -0.22 0.00 | 43.91 -0.30 -0.12 | 61.08 -0.33 -2.03 | 73.16 0.87 -0.26 | 52.98 0.84 0.00 | 46.15 0.95 0.00 | 43.80 0.94 0.00 |
| V_E_10_SYNC_DSASP 323830 | 27.65 -0.49 -0.18 | 28.34 -0.59 -0.72 | 34.84 -0.73 0.00 | 28.72 -0.61 0.00 | 26.91 -0.56 0.00 | 33.01 -0.41 -0.44 | 28.59 0.19 -1.25 | 29.42 0.33 -1.12 | 32.15 0.46 -1.27 | 40.81 0.63 -1.67 | 52.94 0.69 -2.04 | 38.46 0.95 -1.58 | 36.07 1.00 -1.59 | 27.17 0.01 -0.36 | 27.19 -0.45 0.00 | 25.97 -0.14 0.00 | 30.07 0.12 -0.09 | 37.18 0.68 -1.45 | 47.62 1.52 -2.01 | 64.16 2.41 -2.37 | 76.64 2.50 -2.11 | 53.58 1.33 -0.12 | 45.46 0.26 0.00 | 43.08 0.22 0.00 |
| V_F_30_NSYNC___DSASP 323816 | 29.18 1.21 0.00 | 29.44 1.23 0.00 | 37.05 1.48 0.00 | 30.60 1.26 0.00 | 28.65 1.18 0.00 | 34.41 1.43 0.00 | 28.89 1.73 0.00 | 29.95 1.98 0.00 | 32.22 1.81 0.00 | 40.84 2.33 0.00 | 53.08 2.87 0.00 | 37.83 1.90 0.00 | 35.12 1.64 0.00 | 28.03 1.23 0.00 | 28.82 1.17 0.00 | 27.22 1.11 0.00 | 31.28 1.43 0.00 | 37.10 2.05 0.00 | 46.75 2.66 0.00 | 63.02 3.65 0.00 | 75.82 3.79 0.00 | 54.53 2.39 0.00 | 46.77 1.58 0.00 | 44.14 1.29 0.00 |

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|--|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| V_F_30_SYNC_DSASP 323786 | 28.65 0.68 0.00 | 28.90 0.68 0.00 | 36.36 0.79 0.00 | 30.05 0.72 0.00 | 28.20 0.72 0.00 | 33.85 0.88 0.00 | 28.26 1.10 0.00 | 28.93 0.95 0.00 | 31.17 0.76 0.00 | 39.44 0.93 0.00 | 51.30 1.09 0.00 | 36.60 0.68 0.00 | 34.25 0.77 0.00 | 27.40 0.60 0.00 | 28.30 0.65 0.00 | 26.88 0.77 0.00 | 30.93 1.08 0.00 | 36.34 1.28 0.00 | 45.60 1.51 0.00 | 61.42 2.04 0.00 | 73.85 1.81 0.00 | 53.18 1.05 0.00 | 45.72 0.53 0.00 | 43.20 0.34 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 27.61 -0.36 0.00 | 27.80 -0.42 0.00 | 7.70 -0.62 27.25 | 12.54 -0.62 16.18 | -16.90 -0.72 43.65 | -47.82 -1.01 79.79 | -20.85 -0.76 47.25 | -20.88 -0.66 48.19 | -3.59 -0.54 33.47 | 18.58 -0.51 19.42 | 50.65 0.44 0.00 | 36.28 0.36 0.00 | 33.53 0.06 0.00 | 26.90 0.10 0.00 | 27.68 0.04 0.00 | 26.04 -0.07 0.00 | 29.53 -0.32 0.00 | 34.43 -0.63 0.00 | 38.46 -0.93 4.70 | -20.41 -1.33 78.45 | 64.28 -0.46 7.29 | 52.29 0.16 0.00 | 45.75 0.55 0.00 | 43.32 0.46 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 29.01 1.04 0.00 | 29.25 1.04 0.00 | 36.79 1.22 0.00 | 30.41 1.07 0.00 | 28.53 1.06 0.00 | 34.51 1.53 0.00 | 28.91 1.76 0.00 | 30.04 2.07 0.00 | 32.64 2.22 0.00 | 41.29 2.79 0.00 | 53.65 3.44 0.00 | 38.46 2.54 0.00 | 36.01 2.53 0.00 | 28.77 1.97 0.00 | 29.63 1.99 0.00 | 28.00 1.89 0.00 | 32.11 2.26 0.00 | 37.49 2.44 0.00 | 47.11 3.01 0.00 | 63.34 3.96 0.00 | 76.06 4.03 0.00 | 54.66 2.52 0.00 | 46.94 1.74 0.00 | 44.26 1.41 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 29.26 1.29 0.00 | 29.53 1.31 0.00 | 37.09 1.52 0.00 | 30.66 1.33 0.00 | 28.76 1.29 0.00 | 34.64 1.66 0.00 | 29.04 1.88 0.00 | 30.21 2.24 0.00 | 32.85 2.44 0.00 | 41.52 3.01 0.00 | 53.89 3.68 0.00 | 38.68 2.76 0.00 | 36.30 2.82 0.00 | 28.99 2.20 0.00 | 29.89 2.24 0.00 | 28.16 2.05 0.00 | 32.25 2.40 0.00 | 37.80 2.76 0.00 | 47.57 3.48 0.00 | 63.93 4.55 0.00 | 76.77 4.74 0.00 | 55.11 2.98 0.00 | 47.35 2.16 0.00 | 44.62 1.76 0.00 |
| W50THST__13_KV_LOAD 356117 | 29.41 1.44 0.00 | 29.67 1.46 0.00 | 37.28 1.71 0.00 | 30.82 1.49 0.00 | 28.90 1.43 0.00 | 34.83 1.85 0.00 | 29.21 2.05 0.00 | 30.42 2.44 0.00 | 33.09 2.68 0.00 | 41.84 3.33 0.00 | 54.31 4.10 0.00 | 38.99 3.07 0.00 | 36.59 3.11 0.00 | 29.21 2.42 0.00 | 30.12 2.47 0.00 | 28.37 2.26 0.00 | 32.49 2.64 0.00 | 38.08 3.03 0.00 | 47.90 3.81 0.00 | 64.31 4.94 0.00 | 77.25 5.22 0.00 | 55.43 3.30 0.00 | 47.62 2.43 0.00 | 44.86 2.01 0.00 |
| WADING RIVER_IC_1 23522 | 30.67 1.42 -1.27 | 30.44 1.38 -0.85 | 36.97 1.40 0.01 | 30.60 1.28 0.01 | 28.75 1.28 0.01 | 34.79 1.66 -0.15 | 28.55 1.40 0.01 | 29.50 1.52 0.00 | 32.33 1.91 0.00 | 41.24 2.74 0.00 | 53.46 3.25 0.00 | 41.56 2.88 -2.76 | 39.59 3.00 -3.11 | 29.34 2.36 -0.18 | 30.20 2.31 -0.24 | 28.21 2.10 0.00 | 32.04 2.19 0.00 | 37.36 2.31 0.00 | 47.34 3.24 0.00 | 63.60 4.22 0.00 | 77.15 5.00 -0.12 | 55.47 3.34 0.01 | 48.24 2.62 -0.43 | 44.83 1.92 -0.06 |
| WADING RIVER_IC_2 23547 | 30.67 1.42 -1.27 | 30.44 1.38 -0.85 | 36.97 1.40 0.01 | 30.60 1.28 0.01 | 28.75 1.28 0.01 | 34.79 1.66 -0.15 | 28.55 1.40 0.01 | 29.50 1.52 0.00 | 32.33 1.91 0.00 | 41.24 2.74 0.00 | 53.46 3.25 0.00 | 41.56 2.88 -2.76 | 39.59 3.00 -3.11 | 29.34 2.36 -0.18 | 30.20 2.31 -0.24 | 28.21 2.10 0.00 | 32.04 2.19 0.00 | 37.36 2.31 0.00 | 47.34 3.24 0.00 | 63.60 4.22 0.00 | 77.15 5.00 -0.12 | 55.47 3.34 0.01 | 48.24 2.62 -0.43 | 44.83 1.92 -0.06 |
| WADING RIVER_IC_3 23601 | 30.67 1.42 -1.27 | 30.44 1.38 -0.85 | 36.97 1.40 0.01 | 30.60 1.28 0.01 | 28.75 1.28 0.01 | 34.79 1.66 -0.15 | 28.55 1.40 0.01 | 29.50 1.52 0.00 | 32.33 1.91 0.00 | 41.24 2.74 0.00 | 53.46 3.25 0.00 | 41.56 2.88 -2.76 | 39.59 3.00 -3.11 | 29.34 2.36 -0.18 | 30.20 2.31 -0.24 | 28.21 2.10 0.00 | 32.04 2.19 0.00 | 37.36 2.31 0.00 | 47.34 3.24 0.00 | 63.60 4.22 0.00 | 77.15 5.00 -0.12 | 55.47 3.34 0.01 | 48.24 2.62 -0.43 | 44.83 1.92 -0.06 |
| WALDENNY_12_KV_BK2 80841 | 25.11 -2.27 0.59 | 23.55 -2.29 2.38 | 33.02 -2.56 0.00 | 26.85 -2.48 0.00 | 25.21 -2.27 0.00 | 28.97 -2.55 1.46 | 21.03 -2.01 4.12 | 22.04 -2.16 3.76 | 24.17 -1.97 4.28 | 30.52 -2.35 5.63 | 40.24 -3.09 6.88 | 28.68 -1.91 5.34 | 26.10 -2.02 5.36 | 23.90 -1.67 1.23 | 26.22 -1.43 0.00 | 24.67 -1.44 0.00 | 27.86 -1.67 0.32 | 28.21 -1.97 4.87 | 35.06 -2.27 6.77 | 48.26 -3.15 7.97 | 61.43 -3.52 7.08 | 49.35 -2.38 0.41 | 43.58 -1.62 0.00 | 41.62 -1.23 0.00 |
| WALDEN__HYDRO 24148 | 28.98 1.01 0.00 | 29.25 1.03 0.00 | 36.76 1.19 0.00 | 30.39 1.06 0.00 | 28.51 1.04 0.00 | 34.29 1.31 0.00 | 28.70 1.54 0.00 | 29.80 1.82 0.00 | 32.34 1.92 0.00 | 40.90 2.39 0.00 | 53.13 2.92 0.00 | 38.05 2.13 0.00 | 35.57 2.09 0.00 | 28.40 1.60 0.00 | 29.26 1.62 0.00 | 27.62 1.51 0.00 | 31.72 1.87 0.00 | 37.26 2.21 0.00 | 46.94 2.85 0.00 | 63.15 3.77 0.00 | 75.92 3.89 0.00 | 54.56 2.42 0.00 | 46.87 1.67 0.00 | 44.20 1.34 0.00 |
| WARRENSBURG____ 23737 | 29.32 1.35 0.00 | 29.57 1.35 0.00 | 37.25 1.68 0.00 | 30.67 1.33 0.00 | 28.66 1.18 0.00 | 34.26 1.28 0.00 | 28.36 1.21 0.00 | 29.24 1.27 0.00 | 31.93 1.51 0.00 | 40.47 1.96 0.00 | 52.57 2.35 0.00 | 37.20 1.28 0.00 | 34.75 1.28 0.00 | 27.70 0.90 0.00 | 28.43 0.78 0.00 | 26.80 0.69 0.00 | 30.84 0.99 0.00 | 36.69 1.64 0.00 | 46.31 2.21 0.00 | 62.44 3.06 0.00 | 75.04 3.01 0.00 | 54.02 1.88 0.00 | 46.22 1.03 0.00 | 43.59 0.73 0.00 |
| WATERSIDE____6 8 9 23538 | 25.92 1.32 3.37 | 26.39 1.33 3.16 | 35.49 1.55 1.63 | 27.49 1.35 3.20 | 25.59 1.32 3.21 | 32.53 1.69 2.14 | 25.81 1.91 3.25 | 27.16 2.27 3.08 | 30.87 2.48 2.03 | 40.35 3.06 1.22 | 52.82 3.71 1.10 | 36.74 2.80 1.98 | 45.30 2.87 -8.95 | 41.96 2.24 -12.91 | 41.66 2.28 -11.73 | 25.31 2.09 2.89 | 28.86 2.44 3.43 | 35.50 2.78 2.33 | 46.00 3.49 1.58 | 62.75 4.60 1.22 | 76.59 4.80 0.25 | 53.96 3.03 1.21 | 47.10 2.20 0.30 | 43.35 1.80 1.31 |
| WATKINRD_115KV_LN8_ILLION 55919 | 28.02 0.05 0.00 | 28.28 0.06 0.00 | 35.59 0.01 0.00 | 29.41 0.08 0.00 | 27.55 0.08 0.00 | 33.06 0.08 0.00 | 27.36 0.21 0.00 | 28.19 0.22 0.00 | 30.59 0.18 0.00 | 38.83 0.32 0.00 | 50.44 0.23 0.00 | 35.78 -0.14 0.00 | 33.50 0.02 0.00 | 26.67 -0.13 0.00 | 27.39 -0.25 0.00 | 25.92 -0.19 0.00 | 29.84 -0.01 0.00 | 35.32 0.27 0.00 | 44.45 0.35 0.00 | 59.89 0.52 0.00 | 72.22 0.19 0.00 | 52.03 -0.11 0.00 | 44.84 -0.36 0.00 | 42.37 -0.48 0.00 |
| WATSON__69_KV_BK 1 55734 | 31.74 1.79 -1.98 | 31.35 1.82 -1.31 | 37.57 2.00 0.00 | 31.07 1.74 0.00 | 29.17 1.70 0.00 | 35.40 2.18 -0.25 | 29.13 1.98 0.00 | 30.14 2.17 0.00 | 32.94 2.52 0.00 | 41.89 3.38 0.00 | 54.33 4.12 0.00 | 42.95 3.47 -3.56 | 40.68 3.48 -3.71 | 29.71 2.66 -0.26 | 30.64 2.65 -0.35 | 28.55 2.44 0.00 | 32.44 2.59 0.00 | 37.90 2.85 0.00 | 48.07 3.98 0.00 | 64.53 5.16 0.00 | 78.06 5.87 -0.16 | 56.08 3.95 0.00 | 48.97 3.19 -0.59 | 45.44 2.50 -0.08 |
| WDELAWARE__HYD 323627 | 29.04 1.07 0.00 | 29.29 1.07 0.00 | 36.83 1.25 0.00 | 30.42 1.09 0.00 | 28.54 1.07 0.00 | 34.34 1.36 0.00 | 28.72 1.57 0.00 | 29.80 1.83 0.00 | 32.38 1.96 0.00 | 41.00 2.49 0.00 | 53.27 3.06 0.00 | 38.09 2.17 0.00 | 35.42 1.94 0.00 | 28.26 1.46 0.00 | 29.13 1.49 0.00 | 27.51 1.40 0.00 | 31.60 1.75 0.00 | 37.22 2.17 0.00 | 47.01 2.91 0.00 | 63.25 3.88 0.00 | 76.12 4.08 0.00 | 54.71 2.57 0.00 | 46.99 1.79 0.00 | 44.31 1.45 0.00 |

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|--|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|
| WEST BABYLON___IC 23714 | 33.22 1.79 -3.47 | 32.35 1.82 -2.31 | 37.60 2.03 0.00 | 31.07 1.73 0.00 | 29.15 1.68 0.00 | 35.58 2.16 -0.44 | 29.11 1.96 0.00 | 30.10 2.13 0.00 | 32.87 2.46 0.00 | 41.76 3.25 0.00 | 54.18 3.97 0.00 | 44.51 3.30 -5.29 | 41.82 3.30 -5.03 | 29.74 2.54 -0.41 | 30.74 2.54 -0.56 | 28.44 2.34 0.00 | 32.32 2.47 0.00 | 37.80 2.75 0.00 | 47.90 3.81 0.00 | 64.32 4.95 0.00 | 77.88 5.59 -0.26 | 55.91 3.78 0.00 | 49.16 3.03 -0.93 | 45.39 2.39 -0.14 |
| WEST CANADA___HYD 24049 | 28.00 0.03 0.00 | 28.25 0.03 0.00 | 35.58 0.01 0.00 | 29.37 0.03 0.00 | 27.53 0.05 0.00 | 33.01 0.03 0.00 | 27.27 0.12 0.00 | 28.08 0.11 0.00 | 30.53 0.11 0.00 | 38.67 0.15 0.00 | 50.31 0.10 0.00 | 35.93 0.00 0.00 | 33.52 0.05 0.00 | 26.81 0.01 0.00 | 27.64 0.00 0.00 | 26.13 0.02 0.00 | 29.93 0.07 0.00 | 35.20 0.15 0.00 | 44.30 0.21 0.00 | 59.67 0.30 0.00 | 72.22 0.19 0.00 | 52.18 0.05 0.00 | 45.15 -0.05 0.00 | 42.77 -0.08 0.00 |
| WESTERN_NY_WIND 24143 | 25.71 -1.69 0.57 | 24.20 -1.73 2.29 | 33.65 -1.92 0.00 | 27.44 -1.90 0.00 | 25.77 -1.70 0.00 | 29.73 -1.85 1.40 | 21.84 -1.35 3.96 | 22.94 -1.47 3.56 | 25.08 -1.29 4.04 | 31.66 -1.53 5.33 | 41.55 -2.15 6.50 | 29.66 -1.22 5.04 | 26.72 -1.70 5.07 | 24.38 -1.26 1.16 | 26.64 -1.01 0.00 | 25.06 -1.05 0.00 | 28.45 -1.10 0.30 | 29.24 -1.21 4.60 | 36.43 -1.27 6.40 | 50.11 -1.73 7.53 | 63.41 -1.93 6.69 | 50.47 -1.28 0.38 | 44.43 -0.76 0.00 | 42.38 -0.48 0.00 |
| WESTOVER___LESR 323668 | 27.44 -0.53 0.00 | 27.70 -0.52 0.00 | 34.96 -0.61 0.00 | 28.79 -0.55 0.00 | 26.98 -0.49 0.00 | 32.50 -0.47 0.00 | 26.97 -0.19 0.00 | 27.79 -0.18 0.00 | 30.25 -0.17 0.00 | 38.29 -0.22 0.00 | 49.82 -0.38 0.00 | 35.73 -0.20 0.00 | 33.31 -0.17 0.00 | 26.53 -0.27 0.00 | 27.38 -0.26 0.00 | 25.81 -0.30 0.00 | 29.63 -0.23 0.00 | 34.94 -0.11 0.00 | 44.11 0.02 0.00 | 59.24 -0.13 0.00 | 71.76 -0.27 0.00 | 51.82 -0.31 0.00 | 44.84 -0.35 0.00 | 42.56 -0.30 0.00 |
| WETHRSFD_WT_PWR 323626 | 19.53 -3.09 5.35 | 3.58 -3.11 21.53 | 32.02 -3.56 0.00 | 26.16 -3.18 0.00 | 24.58 -2.90 0.00 | 16.31 -3.46 13.20 | -12.73 -2.64 37.25 | -7.98 -2.74 33.21 | -10.06 -2.70 37.77 | -14.74 -3.49 49.76 | -15.30 -4.72 60.79 | -14.57 -3.35 47.14 | -17.09 -3.22 47.35 | 13.11 -2.86 10.83 | 24.99 -2.66 0.00 | 23.45 -2.66 0.00 | 24.19 -2.83 2.83 | -11.01 -3.12 42.93 | -19.03 -3.41 59.71 | -15.95 -5.02 70.30 | 3.66 -5.89 62.49 | 44.30 -4.25 3.58 | 41.88 -3.31 0.00 | 40.06 -2.80 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 28.90 0.93 0.00 | 29.16 0.94 0.00 | 36.66 1.09 0.00 | 30.30 0.97 0.00 | 28.42 0.95 0.00 | 34.21 1.23 0.00 | 28.64 1.48 0.00 | 29.74 1.77 0.00 | 32.31 1.89 0.00 | 40.86 2.35 0.00 | 53.07 2.86 0.00 | 38.05 2.12 0.00 | 35.66 2.18 0.00 | 28.50 1.70 0.00 | 29.34 1.69 0.00 | 27.70 1.59 0.00 | 31.75 1.91 0.00 | 37.26 2.20 0.00 | 46.88 2.79 0.00 | 63.02 3.65 0.00 | 75.70 3.66 0.00 | 54.40 2.26 0.00 | 46.74 1.54 0.00 | 44.08 1.22 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 28.90 0.93 0.00 | 29.16 0.94 0.00 | 36.66 1.09 0.00 | 30.30 0.97 0.00 | 28.42 0.95 0.00 | 34.21 1.23 0.00 | 28.64 1.48 0.00 | 29.74 1.77 0.00 | 32.31 1.89 0.00 | 40.86 2.35 0.00 | 53.07 2.86 0.00 | 38.05 2.12 0.00 | 35.66 2.18 0.00 | 28.50 1.70 0.00 | 29.34 1.69 0.00 | 27.70 1.59 0.00 | 31.75 1.91 0.00 | 37.26 2.20 0.00 | 46.88 2.79 0.00 | 63.02 3.65 0.00 | 75.70 3.66 0.00 | 54.40 2.26 0.00 | 46.74 1.54 0.00 | 44.08 1.22 0.00 |
| WHITEHAL_115KV_TB1 80871 | 29.50 1.53 0.00 | 29.75 1.53 0.00 | 37.60 2.03 0.00 | 31.12 1.79 0.00 | 29.19 1.72 0.00 | 35.10 2.13 0.00 | 28.74 1.58 0.00 | 29.71 1.74 0.00 | 32.71 2.29 0.00 | 41.59 3.08 0.00 | 53.82 3.61 0.00 | 38.04 2.11 0.00 | 35.33 1.85 0.00 | 28.21 1.41 0.00 | 28.91 1.26 0.00 | 27.10 0.99 0.00 | 31.41 1.56 0.00 | 37.61 2.55 0.00 | 47.42 3.33 0.00 | 63.87 4.50 0.00 | 76.57 4.54 0.00 | 54.95 2.82 0.00 | 46.76 1.56 0.00 | 44.02 1.16 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 29.35 1.38 0.00 | 29.61 1.39 0.00 | 37.20 1.62 0.00 | 30.74 1.41 0.00 | 28.85 1.37 0.00 | 34.73 1.76 0.00 | 29.10 1.94 0.00 | 30.25 2.28 0.00 | 32.90 2.48 0.00 | 41.62 3.10 0.00 | 54.04 3.82 0.00 | 38.77 2.85 0.00 | 36.33 2.85 0.00 | 28.99 2.19 0.00 | 29.87 2.23 0.00 | 28.17 2.06 0.00 | 32.29 2.44 0.00 | 37.90 2.85 0.00 | 47.72 3.63 0.00 | 64.16 4.78 0.00 | 77.06 5.03 0.00 | 55.34 3.20 0.00 | 47.49 2.30 0.00 | 44.73 1.88 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 30.81 1.52 -1.32 | 30.60 1.51 -0.88 | 37.14 1.57 0.01 | 30.75 1.42 0.01 | 28.88 1.41 0.01 | 34.95 1.81 -0.16 | 28.74 1.59 0.01 | 29.69 1.72 0.00 | 32.50 2.08 0.00 | 41.41 2.90 0.00 | 53.69 3.48 0.00 | 41.78 3.06 -2.81 | 39.79 3.18 -3.14 | 29.45 2.47 -0.18 | 30.33 2.43 -0.25 | 28.33 2.23 0.00 | 32.17 2.32 0.00 | 37.51 2.46 0.00 | 47.56 3.47 0.00 | 63.91 4.53 0.00 | 77.44 5.28 -0.12 | 55.69 3.56 0.01 | 48.43 2.80 -0.44 | 45.02 2.10 -0.06 |
| WOODARD___115KV_TB2 355635 | 27.57 -0.40 0.00 | 27.82 -0.40 0.00 | 35.07 -0.50 0.00 | 28.90 -0.44 0.00 | 27.09 -0.39 0.00 | 32.53 -0.45 0.00 | 26.87 -0.28 0.00 | 27.62 -0.35 0.00 | 30.05 -0.37 0.00 | 38.01 -0.50 0.00 | 49.42 -0.79 0.00 | 35.39 -0.54 0.00 | 32.96 -0.52 0.00 | 26.39 -0.41 0.00 | 27.21 -0.43 0.00 | 25.74 -0.37 0.00 | 29.47 -0.38 0.00 | 34.66 -0.39 0.00 | 43.68 -0.41 0.00 | 58.78 -0.59 0.00 | 71.16 -0.87 0.00 | 51.52 -0.62 0.00 | 44.70 -0.49 0.00 | 42.45 -0.41 0.00 |
| YORK___WARBASSE 23770 | 46.30 1.52 -16.82 | 45.50 1.53 -15.75 | 45.51 1.80 -8.14 | 46.83 1.56 -15.94 | 44.98 1.51 -15.99 | 45.56 1.92 -10.67 | 45.50 2.11 -16.24 | 45.83 2.47 -15.39 | 46.18 2.68 -13.08 | 47.95 3.34 -6.10 | 59.76 4.03 -5.51 | 48.85 3.06 -9.87 | 64.76 3.07 -28.21 | 53.63 2.39 -24.44 | 66.18 2.44 -36.10 | 46.27 2.27 -17.90 | 49.61 2.65 -17.12 | 49.69 3.04 -11.60 | 55.75 3.79 -7.87 | 70.45 4.97 -6.11 | 78.54 5.24 -1.27 | 61.55 3.36 -6.06 | 49.19 2.52 -1.47 | 51.51 2.12 -6.53 |