

Time Weighted/Integrated Real Time LBMP- Generator

| --- LBMP \$ | | --- Marginal Cost of Losses | | | | | | | | | | --- Marginal Cost of Congestion | | | | | | | | | | | | | |
|----------------------|--|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Generator Data | | 11/09/2025 | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST |
| 59TH STREET_GT_1 | | 35.84 | 35.35 | 35.17 | 37.50 | 34.62 | 33.94 | 34.56 | 45.47 | 32.74 | 33.32 | 33.84 | 36.41 | 50.94 | 53.64 | 57.03 | 52.50 | 68.55 | 76.15 | 62.25 | 62.10 | 44.31 | 42.28 | 47.00 | 43.35 |
| 24138 | | 1.38 | 1.32 | 1.21 | 1.27 | 1.18 | 1.21 | 1.29 | 1.70 | 1.30 | 1.41 | 1.49 | 1.74 | 2.50 | 2.43 | 2.45 | 2.28 | 3.03 | 3.45 | 2.71 | 2.72 | 1.86 | 1.69 | 1.64 | 1.43 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 35.92 | 35.42 | 35.24 | 37.56 | 34.67 | 33.99 | 34.60 | 45.54 | 32.78 | 33.36 | 33.90 | 36.46 | 51.01 | 53.73 | 57.14 | 52.60 | 68.73 | 76.36 | 62.47 | 62.32 | 44.47 | 42.41 | 47.15 | 43.48 |
| 24260 | | 1.45 | 1.38 | 1.27 | 1.34 | 1.23 | 1.25 | 1.34 | 1.77 | 1.33 | 1.45 | 1.55 | 1.79 | 2.57 | 2.53 | 2.55 | 2.38 | 3.21 | 3.67 | 2.92 | 2.93 | 2.01 | 1.81 | 1.79 | 1.55 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_2 | | 35.92 | 35.42 | 35.24 | 37.56 | 34.67 | 33.99 | 34.60 | 45.54 | 32.78 | 33.36 | 33.90 | 36.46 | 51.01 | 53.73 | 57.14 | 52.60 | 68.73 | 76.36 | 62.47 | 62.32 | 44.47 | 42.41 | 47.15 | 43.48 |
| 24261 | | 1.45 | 1.38 | 1.27 | 1.34 | 1.23 | 1.25 | 1.34 | 1.77 | 1.33 | 1.45 | 1.55 | 1.79 | 2.57 | 2.53 | 2.55 | 2.38 | 3.21 | 3.67 | 2.92 | 2.93 | 2.01 | 1.81 | 1.79 | 1.55 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK HUDSON___FALLS | | 36.28 | 35.92 | 35.91 | 38.30 | 35.45 | 34.84 | 35.45 | 46.63 | 33.35 | 33.92 | 34.36 | 36.81 | 51.49 | 54.80 | 58.63 | 53.40 | 70.07 | 77.27 | 62.86 | 62.64 | 44.94 | 42.90 | 47.97 | 44.11 |
| 24011 | | 1.81 | 1.88 | 1.94 | 2.07 | 2.01 | 2.10 | 2.19 | 2.86 | 1.90 | 2.01 | 2.01 | 2.14 | 3.05 | 3.59 | 4.05 | 3.18 | 4.56 | 4.58 | 3.31 | 3.26 | 2.49 | 2.31 | 2.61 | 2.18 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 36.54 | 36.16 | 36.16 | 38.58 | 35.72 | 35.12 | 35.76 | 47.03 | 33.56 | 34.13 | 34.59 | 37.06 | 51.87 | 55.35 | 59.26 | 53.77 | 70.74 | 77.90 | 63.26 | 63.03 | 45.25 | 43.27 | 48.41 | 44.46 |
| 23798 | | 2.07 | 2.12 | 2.19 | 2.36 | 2.28 | 2.38 | 2.50 | 3.26 | 2.11 | 2.22 | 2.24 | 2.39 | 3.44 | 4.14 | 4.68 | 3.55 | 5.22 | 5.20 | 3.71 | 3.65 | 2.79 | 2.67 | 3.06 | 2.54 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 36.28 | 35.92 | 35.91 | 38.30 | 35.45 | 34.84 | 35.45 | 46.63 | 33.35 | 33.92 | 34.36 | 36.81 | 51.49 | 54.80 | 58.63 | 53.40 | 70.07 | 77.27 | 62.86 | 62.64 | 44.94 | 42.90 | 47.97 | 44.11 |
| 24028 | | 1.81 | 1.88 | 1.94 | 2.07 | 2.01 | 2.10 | 2.19 | 2.86 | 1.90 | 2.01 | 2.01 | 2.14 | 3.05 | 3.59 | 4.05 | 3.18 | 4.56 | 4.58 | 3.31 | 3.26 | 2.49 | 2.31 | 2.61 | 2.18 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 35.24 | 34.91 | 34.91 | 37.19 | 34.53 | 33.95 | 34.49 | 45.25 | 32.32 | 32.84 | 33.08 | 35.28 | 49.30 | 52.63 | 56.44 | 51.33 | 67.19 | 73.91 | 60.19 | 59.94 | 43.02 | 41.17 | 46.00 | 42.43 |
| 23527 | | 0.77 | 0.87 | 0.94 | 0.97 | 1.09 | 1.21 | 1.23 | 1.48 | 0.88 | 0.92 | 0.73 | 0.62 | 0.86 | 1.42 | 1.86 | 1.10 | 1.67 | 1.21 | 0.64 | 0.55 | 0.56 | 0.58 | 0.64 | 0.51 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 34.39 | 34.09 | 34.09 | 36.36 | 33.68 | 32.97 | 33.46 | 43.93 | 31.60 | 32.03 | 32.41 | 34.73 | 48.51 | 51.48 | 54.95 | 50.34 | 65.80 | 72.77 | 59.45 | 59.27 | 42.43 | 40.52 | 45.20 | 41.76 |
| 24190 | | -0.07 | 0.05 | 0.12 | 0.14 | 0.25 | 0.23 | 0.19 | 0.15 | 0.15 | 0.12 | 0.06 | 0.06 | 0.07 | 0.27 | 0.37 | 0.11 | 0.29 | 0.07 | -0.10 | -0.11 | -0.03 | -0.07 | -0.16 | -0.17 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 35.23 | 34.78 | 34.71 | 37.01 | 34.12 | 33.38 | 33.97 | 44.86 | 32.18 | 32.57 | 33.01 | 35.37 | 49.36 | 52.09 | 55.48 | 51.22 | 66.86 | 74.35 | 61.10 | 60.89 | 43.49 | 41.69 | 46.72 | 43.28 |
| 355683 | | 0.76 | 0.75 | 0.74 | 0.78 | 0.69 | 0.64 | 0.71 | 1.09 | 0.73 | 0.66 | 0.66 | 0.70 | 0.92 | 0.89 | 0.90 | 0.99 | 1.34 | 1.66 | 1.55 | 1.51 | 1.04 | 1.10 | 1.37 | 1.35 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 34.86 | 34.50 | 34.50 | 36.82 | 34.08 | 33.38 | 33.86 | 44.50 | 31.97 | 32.45 | 32.82 | 35.11 | 49.03 | 51.99 | 55.56 | 50.96 | 66.56 | 73.65 | 60.20 | 60.03 | 42.97 | 41.04 | 45.78 | 42.29 |
| 323833 | | 0.39 | 0.46 | 0.54 | 0.59 | 0.64 | 0.64 | 0.60 | 0.73 | 0.52 | 0.53 | 0.47 | 0.44 | 0.59 | 0.78 | 0.97 | 0.73 | 1.04 | 0.95 | 0.65 | 0.64 | 0.51 | 0.45 | 0.42 | 0.37 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 34.86 | 34.50 | 34.50 | 36.81 | 34.07 | 33.36 | 33.86 | 44.50 | 31.97 | 32.44 | 32.81 | 35.11 | 49.02 | 51.98 | 55.55 | 50.95 | 66.55 | 73.64 | 60.19 | 60.02 | 42.96 | 41.04 | 45.77 | 42.28 |
| 323834 | | 0.39 | 0.46 | 0.53 | 0.58 | 0.64 | 0.63 | 0.60 | 0.72 | 0.52 | 0.53 | 0.46 | 0.44 | 0.58 | 0.77 | 0.97 | 0.73 | 1.04 | 0.94 | 0.65 | 0.63 | 0.51 | 0.45 | 0.42 | 0.36 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | | 34.39 | 34.09 | 34.09 | 36.36 | 33.68 | 32.97 | 33.46 | 43.93 | 31.60 | 32.03 | 32.41 | 34.73 | 48.51 | 51.48 | 54.95 | 50.34 | 65.80 | 72.77 | 59.45 | 59.27 | 42.43 | 40.52 | 45.20 | 41.76 |
| 23571 | | -0.07 | 0.05 | 0.12 | 0.14 | 0.25 | 0.23 | 0.19 | 0.15 | 0.15 | 0.12 | 0.06 | 0.06 | 0.07 | 0.27 | 0.37 | 0.11 | 0.29 | 0.07 | -0.10 | -0.11 | -0.03 | -0.07 | -0.16 | -0.17 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 34.39 -0.07 0.00 | 34.09 0.05 0.00 | 34.09 0.12 0.00 | 36.36 0.14 0.00 | 33.68 0.25 0.00 | 32.97 0.23 0.00 | 33.46 0.19 0.00 | 43.93 0.15 0.00 | 31.60 0.15 0.00 | 32.03 0.12 0.00 | 32.41 0.06 0.00 | 34.73 0.06 0.00 | 48.51 0.07 0.00 | 51.48 0.27 0.00 | 54.95 0.37 0.00 | 50.34 0.11 0.00 | 65.80 0.29 0.00 | 72.77 0.07 0.00 | 59.45 -0.10 0.00 | 59.27 -0.11 0.00 | 42.43 -0.03 0.00 | 40.52 -0.07 0.00 | 45.20 -0.16 0.00 | 41.76 -0.17 0.00 |
| ALBANY___3 23573 | 34.39 -0.07 0.00 | 34.09 0.05 0.00 | 34.09 0.12 0.00 | 36.36 0.14 0.00 | 33.68 0.25 0.00 | 32.97 0.23 0.00 | 33.46 0.19 0.00 | 43.93 0.15 0.00 | 31.60 0.15 0.00 | 32.03 0.12 0.00 | 32.41 0.06 0.00 | 34.73 0.06 0.00 | 48.51 0.07 0.00 | 51.48 0.27 0.00 | 54.95 0.37 0.00 | 50.34 0.11 0.00 | 65.80 0.29 0.00 | 72.77 0.07 0.00 | 59.45 -0.10 0.00 | 59.27 -0.11 0.00 | 42.43 -0.03 0.00 | 40.52 -0.07 0.00 | 45.20 -0.16 0.00 | 41.76 -0.17 0.00 |
| ALBANY___4 23574 | 34.39 -0.07 0.00 | 34.09 0.05 0.00 | 34.09 0.12 0.00 | 36.36 0.14 0.00 | 33.68 0.25 0.00 | 32.97 0.23 0.00 | 33.46 0.19 0.00 | 43.93 0.15 0.00 | 31.60 0.15 0.00 | 32.03 0.12 0.00 | 32.41 0.06 0.00 | 34.73 0.06 0.00 | 48.51 0.07 0.00 | 51.48 0.27 0.00 | 54.95 0.37 0.00 | 50.34 0.11 0.00 | 65.80 0.29 0.00 | 72.77 0.07 0.00 | 59.45 -0.10 0.00 | 59.27 -0.11 0.00 | 42.43 -0.03 0.00 | 40.52 -0.07 0.00 | 45.20 -0.16 0.00 | 41.76 -0.17 0.00 |
| ALBANY___LFGE 323615 | 34.68 0.21 0.00 | 34.36 0.32 0.00 | 34.35 0.39 0.00 | 36.65 0.42 0.00 | 33.95 0.51 0.00 | 33.23 0.50 0.00 | 33.73 0.46 0.00 | 44.31 0.53 0.00 | 31.86 0.41 0.00 | 32.32 0.41 0.00 | 32.69 0.35 0.00 | 35.04 0.38 0.00 | 48.95 0.51 0.00 | 51.96 0.75 0.00 | 55.49 0.90 0.00 | 50.83 0.61 0.00 | 66.46 0.94 0.00 | 73.46 0.77 0.00 | 60.01 0.46 0.00 | 59.81 0.43 0.00 | 42.81 0.35 0.00 | 40.87 0.28 0.00 | 45.57 0.21 0.00 | 42.09 0.16 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 35.52 1.05 0.00 | 35.08 1.04 0.00 | 35.00 1.04 0.00 | 37.32 1.10 0.00 | 34.40 0.96 0.00 | 33.66 0.92 0.00 | 34.26 1.00 0.00 | 45.25 1.48 0.00 | 32.46 1.01 0.00 | 32.86 0.95 0.00 | 33.30 0.96 0.00 | 35.69 1.02 0.00 | 49.81 1.37 0.00 | 52.57 1.36 0.00 | 55.98 1.40 0.00 | 51.70 1.47 0.00 | 67.49 1.98 0.00 | 75.09 2.39 0.00 | 61.71 2.16 0.00 | 61.49 2.11 0.00 | 43.90 1.45 0.00 | 42.07 1.48 0.00 | 47.15 1.80 0.00 | 43.67 1.75 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 35.52 1.05 0.00 | 35.08 1.04 0.00 | 35.00 1.04 0.00 | 37.32 1.10 0.00 | 34.40 0.96 0.00 | 33.66 0.92 0.00 | 34.26 1.00 0.00 | 45.25 1.48 0.00 | 32.46 1.01 0.00 | 32.86 0.95 0.00 | 33.30 0.96 0.00 | 35.69 1.02 0.00 | 49.81 1.37 0.00 | 52.57 1.36 0.00 | 55.98 1.40 0.00 | 51.70 1.47 0.00 | 67.49 1.98 0.00 | 75.09 2.39 0.00 | 61.71 2.16 0.00 | 61.49 2.11 0.00 | 43.90 1.45 0.00 | 42.07 1.48 0.00 | 47.15 1.80 0.00 | 43.67 1.75 0.00 |
| ALCOA___DSASP 323711 | 35.52 1.05 0.00 | 35.08 1.04 0.00 | 35.00 1.04 0.00 | 37.32 1.10 0.00 | 34.40 0.96 0.00 | 33.66 0.92 0.00 | 34.26 1.00 0.00 | 45.25 1.48 0.00 | 32.46 1.01 0.00 | 32.86 0.95 0.00 | 33.30 0.96 0.00 | 35.69 1.02 0.00 | 49.81 1.37 0.00 | 52.57 1.36 0.00 | 55.98 1.40 0.00 | 51.70 1.47 0.00 | 67.49 1.98 0.00 | 75.09 2.39 0.00 | 61.71 2.16 0.00 | 61.49 2.11 0.00 | 43.90 1.45 0.00 | 42.07 1.48 0.00 | 47.15 1.80 0.00 | 43.67 1.75 0.00 |
| ALLEGHENY___COGEN 23514 | 35.11 0.64 0.00 | 34.60 0.56 0.00 | 34.47 0.50 0.00 | 36.94 0.71 0.00 | 33.89 0.45 0.00 | 33.19 0.45 0.00 | 33.64 0.38 0.00 | 44.23 0.45 0.00 | 31.59 0.14 0.00 | 32.12 0.21 0.00 | 32.68 0.34 0.00 | 34.93 0.27 0.00 | 48.67 0.23 0.00 | 51.41 0.20 0.00 | 55.35 0.77 0.00 | 50.90 0.68 0.00 | 65.82 0.31 0.00 | 73.53 0.83 0.00 | 60.52 0.97 0.00 | 60.07 0.68 0.00 | 43.25 0.79 0.00 | 41.10 0.51 0.00 | 46.29 0.93 0.00 | 42.93 1.01 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 34.65 0.18 0.00 | 34.27 0.23 0.00 | 34.25 0.28 0.00 | 36.54 0.31 0.00 | 33.79 0.35 0.00 | 33.08 0.35 0.00 | 33.60 0.34 0.00 | 44.15 0.38 0.00 | 31.72 0.28 0.00 | 32.20 0.28 0.00 | 32.61 0.26 0.00 | 34.95 0.28 0.00 | 48.85 0.41 0.00 | 51.74 0.53 0.00 | 55.19 0.61 0.00 | 50.63 0.40 0.00 | 66.13 0.61 0.00 | 73.20 0.50 0.00 | 59.85 0.30 0.00 | 59.72 0.33 0.00 | 42.73 0.27 0.00 | 40.81 0.21 0.00 | 45.50 0.14 0.00 | 42.04 0.11 0.00 |
| ALTONA_WT_PWR 323606 | 35.37 0.90 0.00 | 34.92 0.88 0.00 | 34.84 0.88 0.00 | 37.13 0.90 0.00 | 34.20 0.76 0.00 | 33.43 0.70 0.00 | 33.93 0.67 0.00 | 44.79 1.01 0.00 | 32.07 0.62 0.00 | 32.28 0.37 0.00 | 32.59 0.25 0.00 | 34.84 0.17 0.00 | 48.38 -0.06 0.00 | 51.05 -0.16 0.00 | 54.44 -0.14 0.00 | 50.31 0.09 0.00 | 65.77 0.26 0.00 | 73.21 0.51 0.00 | 60.15 0.60 0.00 | 59.98 0.60 0.00 | 42.84 0.38 0.00 | 41.25 0.66 0.00 | 46.61 1.25 0.00 | 43.21 1.28 0.00 |
| AMERICAN_REF_FUEL 24010 | 32.91 -1.55 0.00 | 32.57 -1.46 0.00 | 32.47 -1.50 0.00 | 34.87 -1.35 0.00 | 31.92 -1.52 0.00 | 31.19 -1.54 0.00 | 31.51 -1.75 0.00 | 41.16 -2.62 0.00 | 28.98 -2.47 0.00 | 29.47 -2.45 0.00 | 30.00 -2.35 0.00 | 32.16 -2.51 0.00 | 44.68 -3.76 0.00 | 47.16 -4.05 0.00 | 50.56 -4.02 0.00 | 46.70 -3.52 0.00 | 59.72 -5.80 0.00 | 66.33 -6.36 0.00 | 54.66 -4.89 0.00 | 54.09 -5.30 0.00 | 39.22 -3.24 0.00 | 37.55 -3.04 0.00 | 42.60 -2.76 0.00 | 40.18 -1.75 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 33.79 -0.68 0.00 | 33.34 -0.70 0.00 | 33.23 -0.74 0.00 | 35.74 -0.48 0.00 | 32.60 -0.84 0.00 | 31.91 -0.82 0.00 | 32.38 -0.89 0.00 | 42.36 -1.42 0.00 | 30.09 -1.36 0.00 | 30.62 -1.30 0.00 | 31.02 -1.33 0.00 | 33.32 -1.35 0.00 | 46.45 -1.99 0.00 | 48.83 -2.38 0.00 | 52.34 -2.24 0.00 | 47.79 -2.43 0.00 | 61.66 -3.85 0.00 | 69.03 -3.67 0.00 | 57.07 -2.48 0.00 | 56.74 -2.64 0.00 | 40.94 -1.52 0.00 | 39.03 -1.57 0.00 | 44.20 -1.16 0.00 | 41.23 -0.69 0.00 |
| ARTHUR KILL_GT_1 23520 | 35.74 1.27 0.00 | 35.35 1.31 0.00 | 35.52 1.55 0.00 | 37.91 1.69 0.00 | 34.98 1.55 0.00 | 34.29 1.55 0.00 | 34.90 1.64 0.00 | 45.95 2.18 0.00 | 33.04 1.60 0.00 | 33.60 1.69 0.00 | 34.13 1.78 0.00 | 36.68 2.02 0.00 | 51.38 2.94 0.00 | 54.08 2.87 0.00 | 57.57 2.98 0.00 | 53.09 2.86 0.00 | 69.33 3.81 -0.01 | 76.69 3.99 0.00 | 62.38 2.83 0.00 | 62.26 2.88 0.00 | 44.42 1.96 0.00 | 42.33 1.73 0.00 | 47.06 1.71 0.00 | 43.36 1.44 0.00 |
| ARTHUR_KILL_2 23512 | 35.65 1.18 0.00 | 35.26 1.22 0.00 | 35.43 1.46 0.00 | 37.82 1.60 0.00 | 34.90 1.46 0.00 | 34.20 1.46 0.00 | 34.82 1.56 0.00 | 45.85 2.07 0.00 | 32.96 1.52 0.00 | 33.52 1.61 0.00 | 34.04 1.69 0.00 | 36.59 1.92 0.00 | 51.23 2.79 0.00 | 53.95 2.75 0.00 | 57.38 2.80 0.00 | 52.92 2.69 0.00 | 69.12 3.60 -0.01 | 76.44 3.74 0.00 | 62.18 2.63 0.00 | 62.07 2.69 0.00 | 44.28 1.82 0.00 | 42.20 1.61 0.00 | 46.94 1.58 0.00 | 43.26 1.34 0.00 |
| ARTHUR_KILL_3 23513 | 35.58 1.12 0.00 | 35.09 1.05 0.00 | 34.86 0.90 0.00 | 37.16 0.94 0.00 | 34.31 0.87 0.00 | 33.63 0.90 0.00 | 34.25 0.98 0.00 | 45.08 1.30 0.00 | 32.44 0.99 0.00 | 33.00 1.08 0.00 | 33.51 1.16 0.00 | 36.05 1.38 0.00 | 50.44 2.00 0.00 | 53.11 1.90 0.00 | 56.47 1.89 0.00 | 52.01 1.79 0.00 | 67.97 2.45 0.00 | 75.58 2.89 0.00 | 61.84 2.29 0.00 | 61.68 2.30 0.00 | 44.01 1.55 0.00 | 41.97 1.38 0.00 | 46.67 1.31 0.00 | 43.06 1.14 0.00 |

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| ARTHUR_KILL_COGEN 323718 | 35.74 1.27 0.00 | 35.35 1.31 0.00 | 35.52 1.56 0.00 | 37.91 1.69 0.00 | 34.98 1.55 0.00 | 34.29 1.55 0.00 | 34.90 1.64 0.00 | 45.95 2.17 0.00 | 33.04 1.60 0.00 | 33.60 1.69 0.00 | 34.13 1.78 0.00 | 36.69 2.02 0.00 | 51.38 2.94 0.00 | 54.08 2.87 0.00 | 57.56 2.97 0.00 | 53.09 2.86 0.00 | 69.33 3.81 -0.01 | 76.68 3.98 0.00 | 62.38 2.83 0.00 | 62.26 2.87 0.00 | 44.42 1.96 0.00 | 42.32 1.73 0.00 | 47.06 1.71 0.00 | 43.36 1.44 0.00 |
| ASHOKAN____ 23654 | 35.07 0.61 0.00 | 34.64 0.60 0.00 | 34.56 0.60 0.00 | 36.84 0.62 0.00 | 34.11 0.67 0.00 | 33.43 0.70 0.00 | 33.99 0.73 0.00 | 44.77 1.00 0.00 | 32.30 0.85 0.00 | 32.86 0.94 0.00 | 33.28 0.93 0.00 | 35.71 1.05 0.00 | 49.86 1.42 0.00 | 52.90 1.69 0.00 | 56.44 1.86 0.00 | 51.93 1.70 0.00 | 67.86 2.34 0.00 | 75.29 2.59 0.00 | 61.43 1.88 0.00 | 61.20 1.81 0.00 | 43.67 1.21 0.00 | 41.60 1.01 0.00 | 46.24 0.89 0.00 | 42.58 0.65 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 35.52 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.33 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.20 1.53 0.00 | 50.63 2.19 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 35.50 1.04 0.01 | 34.99 0.96 0.01 | 34.82 0.86 0.00 | 37.16 0.94 0.00 | 34.31 0.88 0.00 | 33.63 0.90 0.00 | 34.24 0.97 0.00 | 45.09 1.31 0.00 | 32.51 1.06 0.00 | 33.09 1.17 0.00 | 33.67 1.33 0.00 | 36.18 1.52 0.00 | 50.60 2.16 0.00 | 53.28 2.08 0.00 | 56.54 1.96 0.00 | 52.14 1.92 0.00 | 68.09 2.57 0.00 | 75.63 2.93 0.00 | 61.72 2.17 0.00 | 61.59 2.20 0.00 | 43.98 1.52 0.00 | 41.95 1.36 0.00 | 46.59 1.24 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT2_1 24094 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT2_2 24095 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT2_3 24096 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT2_4 24097 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT3_1 24098 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT3_2 24099 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT3_3 24100 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT3_4 24101 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT4_1 24102 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT4_2 24103 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT4_3 24104 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |

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| ASTORIA_GT4_4 24105 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA_GT_1 23523 | 35.58 1.12 0.01 | 35.06 1.03 0.01 | 34.89 0.93 0.00 | 37.24 1.02 0.00 | 34.38 0.94 0.00 | 33.70 0.97 0.00 | 34.30 1.04 0.00 | 45.18 1.41 0.00 | 32.57 1.12 0.00 | 33.16 1.24 0.00 | 33.74 1.39 0.00 | 36.26 1.59 0.00 | 50.72 2.28 0.00 | 53.41 2.21 0.00 | 56.69 2.11 0.00 | 52.28 2.05 0.00 | 68.25 2.74 0.00 | 75.83 3.14 0.00 | 61.88 2.34 0.00 | 61.74 2.35 0.00 | 44.08 1.63 0.00 | 42.05 1.46 0.00 | 46.69 1.34 0.00 | 43.11 1.18 0.00 |
| ASTORIA_GT_10 24110 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.56 0.00 | 50.66 2.22 0.00 | 53.35 2.14 0.00 | 56.65 2.07 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.31 0.00 | 61.75 2.36 0.00 | 44.08 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| ASTORIA_GT_11 24225 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.56 0.00 | 50.66 2.22 0.00 | 53.35 2.14 0.00 | 56.65 2.07 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.31 0.00 | 61.75 2.36 0.00 | 44.08 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| ASTORIA_GT_12 24226 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.56 0.00 | 50.66 2.22 0.00 | 53.35 2.14 0.00 | 56.65 2.07 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.31 0.00 | 61.75 2.36 0.00 | 44.08 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| ASTORIA_GT_13 24227 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.56 0.00 | 50.66 2.22 0.00 | 53.35 2.14 0.00 | 56.65 2.07 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.31 0.00 | 61.75 2.36 0.00 | 44.08 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| ASTORIA_GT_5 24106 | 35.58 1.12 0.01 | 35.06 1.03 0.01 | 34.89 0.93 0.00 | 37.24 1.02 0.00 | 34.38 0.94 0.00 | 33.70 0.97 0.00 | 34.30 1.04 0.00 | 45.18 1.41 0.00 | 32.57 1.12 0.00 | 33.16 1.24 0.00 | 33.74 1.39 0.00 | 36.26 1.59 0.00 | 50.72 2.28 0.00 | 53.41 2.21 0.00 | 56.69 2.11 0.00 | 52.28 2.05 0.00 | 68.25 2.74 0.00 | 75.83 3.14 0.00 | 61.88 2.34 0.00 | 61.74 2.35 0.00 | 44.08 1.63 0.00 | 42.05 1.46 0.00 | 46.69 1.34 0.00 | 43.11 1.18 0.00 |
| ASTORIA_GT_7 24107 | 35.58 1.12 0.01 | 35.06 1.03 0.01 | 34.89 0.93 0.00 | 37.24 1.02 0.00 | 34.38 0.94 0.00 | 33.70 0.97 0.00 | 34.30 1.04 0.00 | 45.18 1.41 0.00 | 32.57 1.12 0.00 | 33.16 1.24 0.00 | 33.74 1.39 0.00 | 36.26 1.59 0.00 | 50.72 2.28 0.00 | 53.41 2.21 0.00 | 56.69 2.11 0.00 | 52.28 2.05 0.00 | 68.25 2.74 0.00 | 75.83 3.14 0.00 | 61.88 2.34 0.00 | 61.74 2.35 0.00 | 44.08 1.63 0.00 | 42.05 1.46 0.00 | 46.69 1.34 0.00 | 43.11 1.18 0.00 |
| ASTORIA_GT_8 24108 | 35.58 1.12 0.01 | 35.06 1.03 0.01 | 34.89 0.93 0.00 | 37.24 1.02 0.00 | 34.38 0.94 0.00 | 33.70 0.97 0.00 | 34.30 1.04 0.00 | 45.18 1.41 0.00 | 32.57 1.12 0.00 | 33.16 1.24 0.00 | 33.74 1.39 0.00 | 36.26 1.59 0.00 | 50.72 2.28 0.00 | 53.41 2.21 0.00 | 56.69 2.11 0.00 | 52.28 2.05 0.00 | 68.25 2.74 0.00 | 75.83 3.14 0.00 | 61.88 2.34 0.00 | 61.74 2.35 0.00 | 44.08 1.63 0.00 | 42.05 1.46 0.00 | 46.69 1.34 0.00 | 43.11 1.18 0.00 |
| ASTORIA___2 24149 | 35.52 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.33 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.20 1.53 0.00 | 50.63 2.19 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| ASTORIA___3 23516 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.55 0.00 | 50.66 2.22 0.00 | 53.34 2.13 0.00 | 56.64 2.06 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.30 0.00 | 61.74 2.36 0.00 | 44.09 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| ASTORIA___4 23517 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.56 0.00 | 50.66 2.22 0.00 | 53.35 2.14 0.00 | 56.65 2.07 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.31 0.00 | 61.75 2.36 0.00 | 44.08 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| ASTORIA___5 23518 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.55 0.00 | 50.66 2.22 0.00 | 53.34 2.13 0.00 | 56.64 2.06 0.00 | 52.20 1.97 0.00 | 68.11 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.30 0.00 | 61.74 2.36 0.00 | 44.08 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| AST_ENERGY_2_CC3 323677 | 35.52 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.33 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.20 1.53 0.00 | 50.63 2.19 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| AST_ENERGY_2_CC4 323678 | 35.52 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.33 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.20 1.53 0.00 | 50.63 2.19 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ATHENS_STG_1 23668 | 34.86 0.39 0.00 | 34.44 0.39 0.00 | 34.39 0.42 0.00 | 36.66 0.43 0.00 | 33.88 0.44 0.00 | 33.18 0.44 0.00 | 33.70 0.44 0.00 | 44.33 0.55 0.00 | 31.86 0.41 0.00 | 32.37 0.46 0.00 | 32.82 0.47 0.00 | 35.23 0.56 0.00 | 49.28 0.84 0.00 | 52.08 0.87 0.00 | 55.46 0.88 0.00 | 50.94 0.71 0.00 | 66.52 1.01 0.00 | 73.76 1.07 0.00 | 60.31 0.76 0.00 | 60.21 0.83 0.00 | 43.04 0.58 0.00 | 41.09 0.49 0.00 | 45.79 0.43 0.00 | 42.27 0.35 0.00 |
| ATHENS_STG_2 23670 | 34.86 0.39 0.00 | 34.44 0.39 0.00 | 34.39 0.42 0.00 | 36.66 0.43 0.00 | 33.88 0.44 0.00 | 33.18 0.44 0.00 | 33.70 0.44 0.00 | 44.33 0.55 0.00 | 31.86 0.41 0.00 | 32.37 0.46 0.00 | 32.82 0.47 0.00 | 35.23 0.56 0.00 | 49.28 0.84 0.00 | 52.08 0.87 0.00 | 55.46 0.88 0.00 | 50.94 0.71 0.00 | 66.52 1.01 0.00 | 73.76 1.07 0.00 | 60.31 0.76 0.00 | 60.21 0.83 0.00 | 43.04 0.58 0.00 | 41.09 0.49 0.00 | 45.79 0.43 0.00 | 42.27 0.35 0.00 |
| ATHENS_STG_3 23677 | 34.86 0.39 0.00 | 34.44 0.39 0.00 | 34.39 0.42 0.00 | 36.66 0.43 0.00 | 33.88 0.44 0.00 | 33.18 0.44 0.00 | 33.70 0.44 0.00 | 44.33 0.55 0.00 | 31.86 0.41 0.00 | 32.37 0.46 0.00 | 32.82 0.47 0.00 | 35.23 0.56 0.00 | 49.28 0.84 0.00 | 52.08 0.87 0.00 | 55.46 0.88 0.00 | 50.94 0.71 0.00 | 66.52 1.01 0.00 | 73.76 1.07 0.00 | 60.31 0.76 0.00 | 60.21 0.83 0.00 | 43.04 0.58 0.00 | 41.09 0.49 0.00 | 45.79 0.43 0.00 | 42.27 0.35 0.00 |
| AUBURN___LFGE 323710 | 34.27 -0.20 0.00 | 33.84 -0.20 0.00 | 33.74 -0.22 0.00 | 35.89 -0.34 0.00 | 33.05 -0.39 0.00 | 32.49 -0.25 0.00 | 33.04 -0.22 0.00 | 43.43 -0.34 0.00 | 31.22 -0.22 0.00 | 31.73 -0.18 0.00 | 32.05 -0.30 0.00 | 34.28 -0.39 0.00 | 48.04 -0.40 0.00 | 50.83 -0.38 0.00 | 54.32 -0.27 0.00 | 49.98 -0.24 0.00 | 65.15 -0.36 0.00 | 72.38 -0.32 0.00 | 59.07 -0.48 0.00 | 58.98 -0.40 0.00 | 42.10 -0.35 0.00 | 40.28 -0.32 0.00 | 44.97 -0.38 0.00 | 41.62 -0.31 0.00 |
| BABYLON_RES_REC 323704 | 35.91 1.44 0.00 | 35.32 1.27 0.00 | 35.15 1.18 0.00 | 37.43 1.21 0.00 | 34.59 1.15 0.00 | 33.91 1.17 0.00 | 34.39 1.13 0.00 | 45.01 1.24 0.00 | 32.40 0.96 0.00 | 32.96 0.99 -0.05 | 33.93 1.58 0.00 | 50.38 1.89 -13.82 | 54.34 2.84 -3.07 | 54.85 2.66 -0.99 | 57.27 2.52 -0.16 | 53.90 2.36 -1.32 | 73.88 3.22 -5.15 | 96.35 3.74 -19.91 | 65.90 2.93 -3.42 | 63.59 2.87 -1.34 | 44.32 1.86 0.00 | 42.33 1.74 0.00 | 46.92 1.56 0.00 | 43.24 1.32 0.00 |
| BALL_HILL_WT_PWR 323825 | 33.48 -0.99 0.00 | 33.08 -0.96 0.00 | 32.97 -1.00 0.00 | 35.43 -0.80 0.00 | 32.37 -1.07 0.00 | 31.65 -1.08 0.00 | 32.07 -1.19 0.00 | 41.96 -1.81 0.00 | 29.74 -1.71 0.00 | 30.25 -1.67 0.00 | 30.72 -1.62 0.00 | 33.00 -1.66 0.00 | 45.92 -2.52 0.00 | 48.33 -2.87 0.00 | 51.95 -2.63 0.00 | 47.72 -2.50 0.00 | 61.33 -4.18 0.00 | 68.32 -4.38 0.00 | 56.35 -3.20 0.00 | 55.95 -3.43 0.00 | 40.42 -2.04 0.00 | 38.54 -2.05 0.00 | 43.65 -1.71 0.00 | 40.74 -1.18 0.00 |
| BARON_WINDS___WT_PWR 323822 | 33.37 -1.10 0.00 | 32.87 -1.17 0.00 | 32.74 -1.23 0.00 | 35.15 -1.07 0.00 | 32.14 -1.30 0.00 | 31.40 -1.33 0.00 | 31.81 -1.46 0.00 | 41.59 -2.19 0.00 | 29.78 -1.67 0.00 | 30.27 -1.64 0.00 | 30.79 -1.56 0.00 | 33.09 -1.57 0.00 | 45.91 -2.53 0.00 | 48.26 -2.95 0.00 | 52.33 -2.25 0.00 | 48.06 -2.17 0.00 | 61.87 -3.64 0.00 | 68.70 -4.00 0.00 | 56.75 -2.80 0.00 | 56.33 -3.06 0.00 | 40.70 -1.76 0.00 | 38.67 -1.92 0.00 | 43.77 -1.59 0.00 | 40.60 -1.33 0.00 |
| BARRETT_IC_1 23704 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_10 23701 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_11 23702 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_12 23703 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_2 23705 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_3 23706 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_4 23707 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_5 23708 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BARRETT_IC_6 23709 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_7 23710 | 35.61 1.14 0.00 | 35.06 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.20 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.44 2.22 -2.78 | 54.22 2.12 -0.89 | 56.58 1.99 0.00 | 52.06 1.83 0.00 | 70.92 2.50 -2.90 | 91.78 2.90 -16.18 | 63.35 2.24 -1.56 | 61.58 2.20 0.00 | 43.91 1.46 0.00 | 42.00 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_8 23711 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT_IC_9 23700 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT___1 23545 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BARRETT___2 23546 | 35.61 1.14 0.00 | 35.07 1.03 0.00 | 34.90 0.93 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.69 0.95 0.00 | 34.15 0.89 0.00 | 44.72 0.95 0.00 | 32.19 0.75 0.00 | 32.75 0.84 0.00 | 33.67 1.33 0.00 | 48.70 1.51 -12.52 | 53.42 2.21 -2.78 | 54.22 2.12 -0.89 | 56.57 1.99 0.00 | 52.06 1.83 0.00 | 70.93 2.51 -2.90 | 91.79 2.92 -16.18 | 63.34 2.23 -1.56 | 61.58 2.19 0.00 | 43.92 1.46 0.00 | 41.99 1.40 0.00 | 46.64 1.28 0.00 | 42.99 1.07 0.00 |
| BATAVIA___115KV_TB1 55881 | 34.13 -0.33 0.00 | 33.75 -0.29 0.00 | 33.62 -0.35 0.00 | 36.06 -0.17 0.00 | 33.06 -0.37 0.00 | 32.34 -0.39 0.00 | 32.77 -0.49 0.00 | 42.97 -0.81 0.00 | 30.42 -1.03 0.00 | 30.98 -0.93 0.00 | 31.54 -0.81 0.00 | 33.85 -0.81 0.00 | 47.13 -1.31 0.00 | 49.74 -1.47 0.00 | 53.32 -1.26 0.00 | 49.23 -0.99 0.00 | 63.28 -2.24 0.00 | 70.46 -2.24 0.00 | 57.90 -1.65 0.00 | 57.35 -2.03 0.00 | 41.39 -1.07 0.00 | 39.49 -1.10 0.00 | 44.58 -0.78 0.00 | 41.70 -0.22 0.00 |
| BAYONEEC___CTG1 323682 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG10 323750 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG2 323683 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG3 323684 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG4 323685 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG5 323686 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG6 323687 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG7 323688 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BAYONEEC___CTG8 323689 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BAYONEEC___CTG9 323749 | 35.68 1.21 0.00 | 35.18 1.15 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.46 1.02 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.57 1.13 0.00 | 33.13 1.22 0.00 | 33.64 1.29 0.00 | 36.20 1.53 0.00 | 50.65 2.21 0.00 | 53.34 2.13 0.00 | 56.70 2.12 0.00 | 52.22 2.00 0.00 | 68.22 2.70 0.00 | 75.80 3.10 0.00 | 61.99 2.44 0.00 | 61.86 2.47 0.00 | 44.14 1.68 0.00 | 42.10 1.50 0.00 | 46.81 1.45 0.00 | 43.17 1.24 0.00 |
| BEACON___LESR 323632 | 34.85 0.38 0.00 | 34.52 0.48 0.00 | 34.48 0.51 0.00 | 36.71 0.49 0.00 | 34.03 0.59 0.00 | 33.38 0.64 0.00 | 33.93 0.67 0.00 | 44.62 0.85 0.00 | 32.06 0.61 0.00 | 32.58 0.66 0.00 | 32.91 0.56 0.00 | 35.26 0.59 0.00 | 49.22 0.78 0.00 | 52.25 1.05 0.00 | 55.82 1.24 0.00 | 51.05 0.82 0.00 | 66.93 1.42 0.00 | 73.91 1.22 0.00 | 60.41 0.86 0.00 | 60.29 0.91 0.00 | 43.09 0.64 0.00 | 41.17 0.57 0.00 | 45.84 0.48 0.00 | 42.29 0.36 0.00 |
| BEAVER RIVER___HYD 24048 | 35.32 0.85 0.00 | 34.82 0.79 0.00 | 34.72 0.75 0.00 | 36.99 0.76 0.00 | 34.20 0.76 0.00 | 33.45 0.71 0.00 | 34.06 0.80 0.00 | 44.90 1.13 0.00 | 32.37 0.92 0.00 | 32.89 0.97 0.00 | 33.39 1.04 0.00 | 35.87 1.20 0.00 | 50.17 1.73 0.00 | 52.94 1.73 0.00 | 56.46 1.88 0.00 | 52.23 2.01 0.00 | 68.36 2.84 0.00 | 76.02 3.33 0.00 | 62.12 2.57 0.00 | 61.77 2.38 0.00 | 44.07 1.62 0.00 | 42.07 1.47 0.00 | 46.90 1.55 0.00 | 43.22 1.30 0.00 |
| BEEBEE_GT_13 23619 | 33.85 -0.62 0.00 | 33.45 -0.59 0.00 | 33.35 -0.62 0.00 | 35.67 -0.55 0.00 | 32.77 -0.66 0.00 | 32.08 -0.66 0.00 | 32.54 -0.72 0.00 | 42.73 -1.05 0.00 | 30.43 -1.02 0.00 | 30.96 -0.95 0.00 | 31.47 -0.88 0.00 | 33.77 -0.90 0.00 | 47.11 -1.33 0.00 | 49.75 -1.46 0.00 | 53.23 -1.35 0.00 | 49.09 -1.13 0.00 | 63.42 -2.09 0.00 | 70.56 -2.13 0.00 | 57.83 -1.72 0.00 | 57.44 -1.95 0.00 | 41.31 -1.15 0.00 | 39.41 -1.19 0.00 | 44.34 -1.02 0.00 | 41.20 -0.73 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 35.97 1.50 0.00 | 35.47 1.43 0.00 | 35.32 1.35 0.00 | 37.66 1.44 0.00 | 34.76 1.32 0.00 | 34.07 1.33 0.00 | 34.69 1.42 0.00 | 45.67 1.90 0.00 | 32.86 1.42 0.00 | 33.45 1.54 0.00 | 33.99 1.64 0.00 | 36.56 1.89 0.00 | 51.18 2.74 0.00 | 53.89 2.68 0.00 | 57.30 2.71 0.00 | 52.81 2.58 0.00 | 68.96 3.44 -0.01 | 76.59 3.89 0.00 | 62.56 3.01 0.00 | 62.45 3.07 0.00 | 44.55 2.09 0.00 | 42.48 1.89 0.00 | 47.24 1.88 0.00 | 43.55 1.63 0.00 |
| BETHLEHEM___GRP 23843 | 34.39 -0.07 0.00 | 34.09 0.05 0.00 | 34.09 0.12 0.00 | 36.36 0.14 0.00 | 33.68 0.25 0.00 | 32.97 0.23 0.00 | 33.46 0.19 0.00 | 43.93 0.15 0.00 | 31.60 0.15 0.00 | 32.03 0.12 0.00 | 32.41 0.06 0.00 | 34.73 0.06 0.00 | 48.51 0.07 0.00 | 51.48 0.27 0.00 | 54.95 0.37 0.00 | 50.34 0.11 0.00 | 65.80 0.29 0.00 | 72.77 0.07 0.00 | 59.45 -0.10 0.00 | 59.27 -0.11 0.00 | 42.43 -0.03 0.00 | 40.52 -0.07 0.00 | 45.20 -0.16 0.00 | 41.76 -0.17 0.00 |
| BETHLEHEM___GS1 323560 | 34.40 -0.07 0.00 | 34.09 0.05 0.00 | 34.09 0.13 0.00 | 36.36 0.14 0.00 | 33.68 0.25 0.00 | 32.97 0.23 0.00 | 33.46 0.19 0.00 | 43.93 0.15 0.00 | 31.60 0.15 0.00 | 32.03 0.12 0.00 | 32.41 0.06 0.00 | 34.73 0.06 0.00 | 48.51 0.07 0.00 | 51.48 0.27 0.00 | 54.95 0.37 0.00 | 50.34 0.11 0.00 | 65.81 0.29 0.00 | 72.77 0.07 0.00 | 59.45 -0.10 0.00 | 59.27 -0.11 0.00 | 42.43 -0.03 0.00 | 40.52 -0.07 0.00 | 45.20 -0.16 0.00 | 41.76 -0.16 0.00 |
| BETHLEHEM___GS2 323561 | 34.40 -0.07 0.00 | 34.09 0.05 0.00 | 34.09 0.13 0.00 | 36.36 0.14 0.00 | 33.68 0.25 0.00 | 32.97 0.23 0.00 | 33.46 0.19 0.00 | 43.93 0.15 0.00 | 31.60 0.15 0.00 | 32.03 0.12 0.00 | 32.41 0.06 0.00 | 34.73 0.06 0.00 | 48.51 0.07 0.00 | 51.48 0.27 0.00 | 54.95 0.37 0.00 | 50.34 0.11 0.00 | 65.81 0.29 0.00 | 72.77 0.07 0.00 | 59.45 -0.10 0.00 | 59.27 -0.11 0.00 | 42.43 -0.03 0.00 | 40.52 -0.07 0.00 | 45.20 -0.16 0.00 | 41.76 -0.16 0.00 |
| BETHLEHEM___GS3 323562 | 34.40 -0.07 0.00 | 34.09 0.05 0.00 | 34.09 0.13 0.00 | 36.36 0.14 0.00 | 33.68 0.25 0.00 | 32.97 0.23 0.00 | 33.46 0.19 0.00 | 43.93 0.15 0.00 | 31.60 0.15 0.00 | 32.03 0.12 0.00 | 32.41 0.06 0.00 | 34.73 0.06 0.00 | 48.51 0.07 0.00 | 51.48 0.27 0.00 | 54.95 0.37 0.00 | 50.34 0.11 0.00 | 65.81 0.29 0.00 | 72.77 0.07 0.00 | 59.45 -0.10 0.00 | 59.27 -0.11 0.00 | 42.43 -0.03 0.00 | 40.52 -0.07 0.00 | 45.20 -0.16 0.00 | 41.76 -0.16 0.00 |
| BETHLEHEM___STEEL 23779 | 33.60 -0.87 0.00 | 33.22 -0.82 0.00 | 33.08 -0.89 0.00 | 35.53 -0.70 0.00 | 32.47 -0.97 0.00 | 31.75 -0.98 0.00 | 32.12 -1.14 0.00 | 42.04 -1.73 0.00 | 29.71 -1.74 0.00 | 30.22 -1.70 0.00 | 30.74 -1.61 0.00 | 33.00 -1.67 0.00 | 45.84 -2.59 0.00 | 48.33 -2.88 0.00 | 51.98 -2.60 0.00 | 47.92 -2.30 0.00 | 61.45 -4.07 0.00 | 68.43 -4.26 0.00 | 56.32 -3.22 0.00 | 55.81 -3.58 0.00 | 40.40 -2.06 0.00 | 38.57 -2.02 0.00 | 43.71 -1.64 0.00 | 40.83 -1.09 0.00 |
| BETHLHEM_115KV_TB1 79974 | 34.46 -0.01 0.00 | 34.13 0.09 0.00 | 34.13 0.16 0.00 | 36.41 0.18 0.00 | 33.71 0.28 0.00 | 33.00 0.26 0.00 | 33.50 0.23 0.00 | 44.00 0.22 0.00 | 31.63 0.19 0.00 | 32.08 0.17 0.00 | 32.46 0.11 0.00 | 34.79 0.12 0.00 | 48.60 0.16 0.00 | 51.54 0.34 0.00 | 55.01 0.43 0.00 | 50.42 0.20 0.00 | 65.88 0.37 0.00 | 72.89 0.19 0.00 | 59.56 0.01 0.00 | 59.38 0.00 0.00 | 42.51 0.05 0.00 | 40.59 0.00 0.00 | 45.28 -0.08 0.00 | 41.83 -0.10 0.00 |
| BETHPAGE_CC_5 323564 | 35.83 1.36 0.00 | 35.25 1.21 0.00 | 35.08 1.12 0.00 | 37.37 1.15 0.00 | 34.54 1.10 0.00 | 33.85 1.12 0.00 | 34.34 1.08 0.00 | 44.98 1.21 0.00 | 32.39 0.95 0.00 | 32.92 1.01 0.00 | 33.90 1.55 0.00 | 51.16 1.83 -14.66 | 54.39 2.70 -3.25 | 54.80 2.55 -1.04 | 57.00 2.42 0.00 | 52.47 2.25 0.00 | 72.01 3.09 -3.40 | 95.20 3.56 -18.95 | 64.18 2.80 -1.83 | 62.11 2.73 0.00 | 44.26 1.80 0.00 | 42.27 1.67 0.00 | 46.87 1.51 0.00 | 43.19 1.27 0.00 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 33.65 -0.82 0.00 | 33.26 -0.78 0.00 | 33.12 -0.84 0.00 | 35.58 -0.64 0.00 | 32.50 -0.93 0.00 | 31.79 -0.95 0.00 | 32.17 -1.09 0.00 | 42.11 -1.67 0.00 | 29.77 -1.68 0.00 | 30.28 -1.63 0.00 | 30.81 -1.54 0.00 | 33.07 -1.59 0.00 | 45.94 -2.50 0.00 | 48.43 -2.78 0.00 | 52.11 -2.47 0.00 | 48.05 -2.17 0.00 | 61.62 -3.89 0.00 | 68.64 -4.06 0.00 | 56.48 -3.07 0.00 | 55.98 -3.41 0.00 | 40.51 -1.95 0.00 | 38.65 -1.94 0.00 | 43.81 -1.54 0.00 | 40.91 -1.02 0.00 |
| BINGHAMTON___COGEN 23790 | 34.23 -0.23 0.00 | 33.77 -0.27 0.00 | 33.69 -0.27 0.00 | 35.99 -0.23 0.00 | 33.16 -0.28 0.00 | 32.45 -0.28 0.00 | 32.96 -0.30 0.00 | 43.32 -0.45 0.00 | 31.12 -0.32 0.00 | 31.63 -0.28 0.00 | 32.07 -0.27 0.00 | 34.43 -0.24 0.00 | 48.09 -0.35 0.00 | 50.74 -0.46 0.00 | 54.26 -0.33 0.00 | 49.85 -0.38 0.00 | 64.87 -0.65 0.00 | 72.09 -0.61 0.00 | 59.19 -0.36 0.00 | 59.02 -0.36 0.00 | 42.25 -0.21 0.00 | 40.27 -0.32 0.00 | 45.04 -0.32 0.00 | 41.60 -0.32 0.00 |

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| BIXINCNT_115KV_LOAD 355685 | 33.74 -0.73 0.00 | 33.34 -0.70 0.00 | 33.15 -0.82 0.00 | 35.62 -0.61 0.00 | 32.48 -0.96 0.00 | 31.78 -0.95 0.00 | 32.19 -1.07 0.00 | 42.22 -1.55 0.00 | 29.90 -1.55 0.00 | 30.41 -1.50 0.00 | 30.94 -1.41 0.00 | 33.17 -1.50 0.00 | 45.77 -2.67 0.00 | 48.26 -2.95 0.00 | 52.46 -2.12 0.00 | 48.42 -1.80 0.00 | 62.24 -3.28 0.00 | 69.36 -3.33 0.00 | 57.03 -2.51 0.00 | 56.72 -2.66 0.00 | 41.04 -1.42 0.00 | 39.14 -1.45 0.00 | 44.32 -1.03 0.00 | 41.29 -0.64 0.00 |
| BLACK RIVER___HYD 24047 | 35.25 0.78 0.00 | 34.72 0.68 0.00 | 34.60 0.63 0.00 | 36.89 0.67 0.00 | 34.10 0.66 0.00 | 33.36 0.62 0.00 | 33.97 0.71 0.00 | 44.81 1.03 0.00 | 32.35 0.91 0.00 | 32.91 0.99 0.00 | 33.44 1.09 0.00 | 35.92 1.25 0.00 | 50.27 1.83 0.00 | 53.04 1.84 0.00 | 56.56 1.98 0.00 | 52.47 2.24 0.00 | 68.71 3.20 0.00 | 76.44 3.74 0.00 | 62.37 2.83 0.00 | 61.98 2.60 0.00 | 44.21 1.75 0.00 | 42.11 1.52 0.00 | 46.86 1.50 0.00 | 43.12 1.19 0.00 |
| BLACKRVR_115KV_TB2 79977 | 35.25 0.78 0.00 | 34.72 0.68 0.00 | 34.60 0.64 0.00 | 36.89 0.67 0.00 | 34.10 0.66 0.00 | 33.36 0.62 0.00 | 33.97 0.71 0.00 | 44.81 1.03 0.00 | 32.35 0.91 0.00 | 32.91 0.99 0.00 | 33.44 1.09 0.00 | 35.92 1.25 0.00 | 50.27 1.83 0.00 | 53.04 1.84 0.00 | 56.56 1.98 0.00 | 52.46 2.24 0.00 | 68.71 3.19 0.00 | 76.44 3.74 0.00 | 62.37 2.83 0.00 | 61.98 2.60 0.00 | 44.21 1.75 0.00 | 42.11 1.52 0.00 | 46.86 1.50 0.00 | 43.12 1.19 0.00 |
| BLDWN_LI_69_KV_BK4 356085 | 35.89 1.42 0.00 | 35.32 1.28 0.00 | 35.14 1.18 0.00 | 37.44 1.22 0.00 | 34.61 1.17 0.00 | 33.92 1.18 0.00 | 34.41 1.15 0.00 | 45.08 1.31 0.00 | 32.45 1.01 0.00 | 33.00 1.08 0.00 | 33.94 1.59 0.00 | 52.82 1.86 -16.28 | 54.80 2.75 -3.61 | 55.01 2.65 -1.16 | 57.15 2.56 0.00 | 52.61 2.38 0.00 | 72.54 3.25 -3.77 | 97.33 3.60 -21.04 | 64.55 2.97 -2.03 | 62.27 2.88 0.00 | 44.36 1.91 0.00 | 42.38 1.78 0.00 | 47.01 1.65 0.00 | 43.32 1.40 0.00 |
| BLISS_WT_PWR 323608 | 33.76 -0.71 0.00 | 33.35 -0.69 0.00 | 33.14 -0.82 0.00 | 35.62 -0.60 0.00 | 32.47 -0.97 0.00 | 31.76 -0.97 0.00 | 32.17 -1.10 0.00 | 42.19 -1.58 0.00 | 29.89 -1.56 0.00 | 30.39 -1.52 0.00 | 30.93 -1.42 0.00 | 33.14 -1.53 0.00 | 45.63 -2.82 0.00 | 48.12 -3.09 0.00 | 52.47 -2.11 0.00 | 48.46 -1.77 0.00 | 62.29 -3.22 0.00 | 69.40 -3.30 0.00 | 57.05 -2.50 0.00 | 56.76 -2.63 0.00 | 41.06 -1.40 0.00 | 39.17 -1.42 0.00 | 44.37 -0.98 0.00 | 41.33 -0.60 0.00 |
| BLUESTONE___WT_PWR 323821 | 35.89 1.42 0.00 | 35.33 1.29 0.00 | 35.02 1.05 0.00 | 37.45 1.23 0.00 | 34.26 0.82 0.00 | 33.39 0.65 0.00 | 33.34 0.08 0.00 | 43.92 0.15 0.00 | 31.67 0.22 0.00 | 32.17 0.25 0.00 | 33.02 0.67 0.00 | 35.22 0.56 0.00 | 48.97 0.53 0.00 | 50.97 -0.24 0.00 | 53.63 -0.95 0.00 | 49.20 -1.03 0.00 | 64.56 -0.95 0.00 | 73.48 0.78 0.00 | 61.08 1.53 0.00 | 60.78 1.40 0.00 | 43.84 1.39 0.00 | 41.96 1.36 0.00 | 46.83 1.47 0.00 | 43.25 1.32 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 34.74 0.28 0.00 | 34.39 0.35 0.00 | 34.38 0.41 0.00 | 36.67 0.45 0.00 | 33.95 0.51 0.00 | 33.24 0.50 0.00 | 33.73 0.47 0.00 | 44.32 0.54 0.00 | 31.83 0.39 0.00 | 32.31 0.40 0.00 | 32.70 0.35 0.00 | 35.00 0.34 0.00 | 48.89 0.45 0.00 | 51.82 0.62 0.00 | 55.34 0.76 0.00 | 50.75 0.53 0.00 | 66.28 0.76 0.00 | 73.34 0.65 0.00 | 59.95 0.40 0.00 | 59.78 0.40 0.00 | 42.80 0.34 0.00 | 40.89 0.30 0.00 | 45.61 0.25 0.00 | 42.13 0.21 0.00 |
| BOC_GAS_DRP 24189 | 34.61 0.14 0.00 | 34.24 0.20 0.00 | 34.21 0.25 0.00 | 36.50 0.28 0.00 | 33.75 0.32 0.00 | 33.05 0.31 0.00 | 33.55 0.28 0.00 | 44.10 0.33 0.00 | 31.68 0.24 0.00 | 32.16 0.25 0.00 | 32.56 0.22 0.00 | 34.90 0.24 0.00 | 48.80 0.36 0.00 | 51.67 0.47 0.00 | 55.10 0.52 0.00 | 50.55 0.33 0.00 | 66.01 0.50 0.00 | 73.11 0.41 0.00 | 59.77 0.22 0.00 | 59.62 0.23 0.00 | 42.66 0.20 0.00 | 40.75 0.16 0.00 | 45.45 0.09 0.00 | 41.99 0.07 0.00 |
| BOONVILLE_115KV_TB1 79983 | 35.18 0.71 0.00 | 34.73 0.70 0.00 | 34.65 0.68 0.00 | 36.95 0.72 0.00 | 34.14 0.71 0.00 | 33.42 0.69 0.00 | 34.02 0.76 0.00 | 44.78 1.01 0.00 | 32.26 0.81 0.00 | 32.75 0.83 0.00 | 33.24 0.89 0.00 | 35.68 1.02 0.00 | 49.85 1.41 0.00 | 52.70 1.49 0.00 | 56.26 1.68 0.00 | 51.88 1.66 0.00 | 67.81 2.30 0.00 | 75.23 2.54 0.00 | 61.51 1.96 0.00 | 61.21 1.82 0.00 | 43.73 1.27 0.00 | 41.71 1.12 0.00 | 46.49 1.13 0.00 | 42.90 0.97 0.00 |
| BORALEX_4TH_BRANCH 23824 | 35.23 0.77 0.00 | 34.91 0.87 0.00 | 34.91 0.94 0.00 | 37.19 0.97 0.00 | 34.53 1.09 0.00 | 33.95 1.21 0.00 | 34.49 1.23 0.00 | 45.25 1.48 0.00 | 32.33 0.88 0.00 | 32.84 0.93 0.00 | 33.08 0.73 0.00 | 35.28 0.62 0.00 | 49.30 0.86 0.00 | 52.63 1.42 0.00 | 56.44 1.86 0.00 | 51.33 1.10 0.00 | 67.19 1.67 0.00 | 73.91 1.22 0.00 | 60.19 0.64 0.00 | 59.94 0.55 0.00 | 43.02 0.56 0.00 | 41.17 0.58 0.00 | 46.00 0.64 0.00 | 42.43 0.51 0.00 |
| BOWLINE___1 23526 | 35.23 0.76 0.00 | 34.77 0.73 0.00 | 34.63 0.66 0.00 | 36.93 0.70 0.00 | 34.09 0.65 0.00 | 33.39 0.66 0.00 | 34.00 0.74 0.00 | 44.76 0.98 0.00 | 32.20 0.76 0.00 | 32.71 0.80 0.00 | 33.23 0.88 0.00 | 35.73 1.06 0.00 | 50.03 1.59 0.00 | 52.70 1.49 0.00 | 56.04 1.46 0.00 | 51.62 1.39 0.00 | 67.53 2.01 0.00 | 74.97 2.27 0.00 | 61.28 1.73 0.00 | 61.12 1.73 0.00 | 43.61 1.15 0.00 | 41.60 1.00 0.00 | 46.32 0.96 0.00 | 42.75 0.83 0.00 |
| BOWLINE___2 23595 | 35.23 0.76 0.00 | 34.76 0.72 0.00 | 34.62 0.65 0.00 | 36.92 0.69 0.00 | 34.08 0.64 0.00 | 33.39 0.66 0.00 | 33.99 0.73 0.00 | 44.75 0.98 0.00 | 32.19 0.74 0.00 | 32.71 0.79 0.00 | 33.22 0.87 0.00 | 35.72 1.06 0.00 | 50.01 1.57 0.00 | 52.69 1.48 0.00 | 56.04 1.45 0.00 | 51.60 1.38 0.00 | 67.51 1.99 0.00 | 74.94 2.24 0.00 | 61.26 1.71 0.00 | 61.10 1.72 0.00 | 43.59 1.14 0.00 | 41.58 0.99 0.00 | 46.30 0.94 0.00 | 42.74 0.81 0.00 |
| BRADY___115KV_TB2 356060 | 35.96 1.49 0.00 | 35.50 1.46 0.00 | 35.42 1.46 0.00 | 37.76 1.54 0.00 | 34.83 1.39 0.00 | 34.07 1.33 0.00 | 34.71 1.45 0.00 | 45.87 2.10 0.00 | 32.89 1.45 0.00 | 33.32 1.41 0.00 | 33.79 1.44 0.00 | 36.22 1.55 0.00 | 50.59 2.15 0.00 | 53.40 2.19 0.00 | 56.86 2.27 0.00 | 52.57 2.34 0.00 | 68.71 3.19 0.00 | 76.49 3.79 0.00 | 62.83 3.28 0.00 | 62.54 3.16 0.00 | 44.61 2.15 0.00 | 42.72 2.13 0.00 | 47.85 2.50 0.00 | 44.29 2.37 0.00 |
| BRANSCOMB___SOLAR 323811 | 35.69 1.22 0.00 | 35.33 1.28 0.00 | 35.30 1.33 0.00 | 37.62 1.39 0.00 | 34.84 1.40 0.00 | 34.21 1.48 0.00 | 34.78 1.52 0.00 | 45.75 1.97 0.00 | 32.75 1.31 0.00 | 33.29 1.38 0.00 | 33.70 1.35 0.00 | 36.08 1.42 0.00 | 50.44 2.00 0.00 | 53.60 2.39 0.00 | 57.34 2.76 0.00 | 52.36 2.13 0.00 | 68.60 3.08 0.00 | 75.74 3.05 0.00 | 61.74 2.19 0.00 | 61.51 2.13 0.00 | 44.10 1.64 0.00 | 42.08 1.49 0.00 | 46.98 1.63 0.00 | 43.29 1.36 0.00 |
| BRDGHMPT_69_KV_BK1 55812 | 36.79 2.32 0.00 | 36.05 2.01 0.00 | 35.80 1.83 0.00 | 37.99 1.76 0.00 | 35.14 1.70 0.00 | 34.57 1.83 0.00 | 34.86 1.60 0.00 | 45.48 1.71 0.00 | 32.96 1.52 0.00 | 33.74 1.52 -0.31 | 34.35 2.00 0.00 | 48.99 2.10 -12.22 | 54.30 3.15 -2.71 | 54.74 2.66 -0.87 | 57.95 2.41 -0.96 | 60.01 2.09 -7.69 | 82.68 3.03 -14.14 | 104.03 3.64 -27.70 | 73.53 2.59 -11.39 | 69.83 2.65 -7.80 | 43.96 1.49 -0.01 | 42.09 1.50 0.00 | 47.07 1.71 0.00 | 43.31 1.39 0.00 |

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| BRENTWOD_69_KV_W. BRTWOOD 56703 | 36.15 1.68 0.00 | 35.53 1.49 0.00 | 35.37 1.40 0.00 | 37.67 1.45 0.00 | 34.82 1.38 0.00 | 34.13 1.39 0.00 | 34.60 1.34 0.00 | 45.24 1.47 0.00 | 32.59 1.14 0.00 | 33.36 1.18 -0.27 | 34.17 1.82 0.00 | 49.40 2.12 -12.61 | 54.43 3.19 -2.80 | 55.09 2.99 -0.90 | 58.29 2.88 -0.83 | 59.65 2.74 -6.69 | 81.87 3.60 -12.75 | 103.47 4.12 -26.65 | 73.02 3.32 -10.15 | 69.48 3.32 -6.78 | 44.61 2.15 -0.01 | 42.57 1.98 0.00 | 47.13 1.77 0.00 | 43.45 1.53 0.00 |
| BRISTLHL_115KV_TB1 79998 | 33.49 -0.98 0.00 | 33.03 -1.01 0.00 | 32.92 -1.05 0.00 | 35.14 -1.09 0.00 | 32.43 -1.02 0.00 | 31.74 -0.99 0.00 | 32.22 -1.04 0.00 | 42.36 -1.41 0.00 | 30.49 -0.95 0.00 | 30.98 -0.93 0.00 | 31.43 -0.92 0.00 | 33.67 -1.00 0.00 | 47.06 -1.38 0.00 | 49.76 -1.44 0.00 | 53.12 -1.46 0.00 | 48.89 -1.34 0.00 | 63.69 -1.83 0.00 | 70.68 -2.01 0.00 | 57.88 -1.67 0.00 | 57.65 -1.73 0.00 | 41.25 -1.21 0.00 | 39.37 -1.22 0.00 | 43.96 -1.39 0.00 | 40.56 -1.37 0.00 |
| BROOKHAVEN___DRP 24191 | 36.06 1.59 0.00 | 35.42 1.38 0.00 | 35.24 1.27 0.00 | 37.47 1.24 0.00 | 34.68 1.25 0.00 | 34.03 1.30 0.00 | 34.48 1.22 0.00 | 45.00 1.22 0.00 | 32.47 1.02 0.00 | 33.26 1.03 -0.31 | 34.03 1.68 0.00 | 48.73 1.85 -12.21 | 54.03 2.89 -2.71 | 54.70 2.63 -0.87 | 57.98 2.43 -0.97 | 60.22 2.18 -7.81 | 82.89 3.06 -14.31 | 104.23 3.67 -27.87 | 73.86 2.77 -11.54 | 70.02 2.72 -7.92 | 44.16 1.69 -0.01 | 42.25 1.66 0.00 | 46.86 1.50 0.00 | 43.14 1.22 0.00 |
| BROOKLYN_NAVY_YARD 23515 | 35.63 1.16 0.00 | 35.13 1.09 0.00 | 34.95 0.98 0.00 | 37.27 1.05 0.00 | 34.40 0.97 0.00 | 33.73 0.99 0.00 | 34.34 1.08 0.00 | 45.18 1.41 0.00 | 32.54 1.09 0.00 | 33.10 1.19 0.00 | 33.60 1.25 0.00 | 36.15 1.48 0.00 | 50.58 2.14 0.00 | 53.27 2.06 0.00 | 56.64 2.06 0.00 | 52.15 1.93 0.00 | 68.11 2.59 0.00 | 75.68 2.98 0.00 | 61.89 2.34 0.00 | 61.80 2.42 0.00 | 44.07 1.61 0.00 | 42.03 1.43 0.00 | 46.72 1.37 0.00 | 43.09 1.17 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| BROOME_2_LFGE 323671 | 34.23 -0.23 0.00 | 33.77 -0.27 0.00 | 33.70 -0.27 0.00 | 35.99 -0.23 0.00 | 33.16 -0.28 0.00 | 32.45 -0.28 0.00 | 32.96 -0.30 0.00 | 43.32 -0.46 0.00 | 31.12 -0.32 0.00 | 31.63 -0.28 0.00 | 32.07 -0.27 0.00 | 34.43 -0.24 0.00 | 48.09 -0.35 0.00 | 50.74 -0.47 0.00 | 54.26 -0.32 0.00 | 49.85 -0.38 0.00 | 64.87 -0.65 0.00 | 72.09 -0.61 0.00 | 59.19 -0.36 0.00 | 59.02 -0.37 0.00 | 42.25 -0.21 0.00 | 40.27 -0.32 0.00 | 45.04 -0.32 0.00 | 41.60 -0.32 0.00 |
| BROOME___LFGE 323600 | 34.23 -0.23 0.00 | 33.77 -0.27 0.00 | 33.70 -0.27 0.00 | 35.99 -0.23 0.00 | 33.16 -0.28 0.00 | 32.45 -0.28 0.00 | 32.96 -0.30 0.00 | 43.32 -0.46 0.00 | 31.12 -0.32 0.00 | 31.63 -0.28 0.00 | 32.07 -0.27 0.00 | 34.43 -0.24 0.00 | 48.09 -0.35 0.00 | 50.74 -0.47 0.00 | 54.26 -0.32 0.00 | 49.85 -0.38 0.00 | 64.87 -0.65 0.00 | 72.09 -0.61 0.00 | 59.19 -0.36 0.00 | 59.02 -0.37 0.00 | 42.25 -0.21 0.00 | 40.27 -0.32 0.00 | 45.04 -0.32 0.00 | 41.60 -0.32 0.00 |
| BROWNFLS_115KV_TB 3_5 80003 | 35.33 0.86 0.00 | 34.85 0.81 0.00 | 34.76 0.79 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.45 0.71 0.00 | 34.07 0.81 0.00 | 44.98 1.20 0.00 | 32.36 0.91 0.00 | 32.83 0.91 0.00 | 33.31 0.96 0.00 | 35.75 1.08 0.00 | 49.96 1.52 0.00 | 52.71 1.51 0.00 | 56.18 1.60 0.00 | 51.97 1.74 0.00 | 67.99 2.47 0.00 | 75.64 2.95 0.00 | 61.96 2.41 0.00 | 61.64 2.26 0.00 | 43.97 1.51 0.00 | 42.04 1.45 0.00 | 46.98 1.62 0.00 | 43.37 1.45 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 35.94 1.47 0.00 | 35.43 1.39 0.00 | 35.26 1.29 0.00 | 37.58 1.36 0.00 | 34.69 1.25 0.00 | 34.00 1.27 0.00 | 34.62 1.36 0.00 | 45.56 1.78 0.00 | 32.80 1.36 0.00 | 33.38 1.47 0.00 | 33.90 1.55 0.00 | 36.49 1.82 0.00 | 51.06 2.62 0.00 | 53.78 2.57 0.00 | 57.19 2.61 0.00 | 52.66 2.43 0.00 | 68.81 3.29 0.00 | 76.47 3.78 0.00 | 62.54 2.99 0.00 | 62.39 3.00 0.00 | 44.49 2.04 0.00 | 42.43 1.84 0.00 | 47.18 1.82 0.00 | 43.51 1.58 0.00 |
| BURROWS___LYONSDAL 23803 | 35.19 0.72 0.00 | 34.74 0.70 0.00 | 34.65 0.68 0.00 | 36.94 0.72 0.00 | 34.14 0.71 0.00 | 33.42 0.68 0.00 | 34.02 0.76 0.00 | 44.79 1.01 0.00 | 32.26 0.81 0.00 | 32.76 0.84 0.00 | 33.26 0.91 0.00 | 35.70 1.04 0.00 | 49.90 1.46 0.00 | 52.72 1.51 0.00 | 56.27 1.69 0.00 | 51.96 1.73 0.00 | 67.90 2.39 0.00 | 75.38 2.68 0.00 | 61.62 2.07 0.00 | 61.31 1.92 0.00 | 43.79 1.33 0.00 | 41.77 1.18 0.00 | 46.57 1.21 0.00 | 42.94 1.02 0.00 |
| CAITHNESS_CC_1 323624 | 35.95 1.48 0.00 | 35.34 1.30 0.00 | 35.15 1.18 0.00 | 37.38 1.16 0.00 | 34.60 1.16 0.00 | 33.94 1.20 0.00 | 34.40 1.14 0.00 | 44.89 1.11 0.00 | 32.40 0.95 0.00 | 33.19 0.96 -0.32 | 33.96 1.61 0.00 | 48.65 1.78 -12.20 | 53.90 2.76 -2.71 | 54.59 2.51 -0.87 | 57.85 2.28 -0.99 | 60.22 2.07 -7.92 | 82.88 2.90 -14.47 | 104.20 3.48 -28.02 | 73.84 2.62 -11.68 | 69.96 2.56 -8.02 | 44.07 1.60 -0.01 | 42.16 1.57 0.00 | 46.75 1.39 0.00 | 43.05 1.13 0.00 |
| CALPINE BETH_PAGE_GT4 24209 | 35.76 1.29 0.00 | 35.18 1.14 0.00 | 35.01 1.05 0.00 | 37.31 1.09 0.00 | 34.47 1.04 0.00 | 33.79 1.05 0.00 | 34.28 1.02 0.00 | 44.92 1.15 0.00 | 32.34 0.89 0.00 | 32.88 0.96 0.00 | 33.84 1.49 0.00 | 52.00 1.75 -15.59 | 54.48 2.58 -3.46 | 54.76 2.44 -1.11 | 56.90 2.32 0.00 | 52.38 2.16 0.00 | 72.10 2.97 -3.61 | 96.24 3.40 -20.15 | 64.17 2.68 -1.94 | 62.01 2.63 0.00 | 44.18 1.72 0.00 | 42.20 1.61 0.00 | 46.78 1.42 0.00 | 43.12 1.20 0.00 |
| CALPINE_BETH_PAGE_GT_4 323586 | 35.76 1.29 0.00 | 35.19 1.15 0.00 | 35.02 1.05 0.00 | 37.31 1.09 0.00 | 34.47 1.04 0.00 | 33.79 1.05 0.00 | 34.28 1.02 0.00 | 44.92 1.14 0.00 | 32.34 0.89 0.00 | 32.88 0.96 0.00 | 33.84 1.49 0.00 | 52.01 1.75 -15.59 | 54.48 2.58 -3.46 | 54.77 2.45 -1.11 | 56.90 2.32 0.00 | 52.38 2.16 0.00 | 72.10 2.97 -3.61 | 96.26 3.41 -20.15 | 64.18 2.68 -1.94 | 62.01 2.62 0.00 | 44.18 1.72 0.00 | 42.20 1.61 0.00 | 46.78 1.43 0.00 | 43.12 1.20 0.00 |
| CALPINE_BP_GT1 23823 | 35.76 1.29 0.00 | 35.19 1.15 0.00 | 35.02 1.05 0.00 | 37.31 1.09 0.00 | 34.47 1.04 0.00 | 33.79 1.05 0.00 | 34.28 1.02 0.00 | 44.92 1.14 0.00 | 32.34 0.89 0.00 | 32.88 0.96 0.00 | 33.84 1.49 0.00 | 52.01 1.75 -15.59 | 54.48 2.58 -3.46 | 54.77 2.45 -1.11 | 56.90 2.32 0.00 | 52.38 2.16 0.00 | 72.10 2.97 -3.61 | 96.26 3.41 -20.15 | 64.18 2.68 -1.94 | 62.01 2.62 0.00 | 44.18 1.72 0.00 | 42.20 1.61 0.00 | 46.78 1.43 0.00 | 43.12 1.20 0.00 |
| CALSPAN___DRP 24200 | 33.60 -0.87 0.00 | 33.22 -0.82 0.00 | 33.08 -0.89 0.00 | 35.53 -0.70 0.00 | 32.47 -0.97 0.00 | 31.75 -0.98 0.00 | 32.12 -1.14 0.00 | 42.04 -1.73 0.00 | 29.71 -1.74 0.00 | 30.22 -1.70 0.00 | 30.74 -1.61 0.00 | 33.00 -1.67 0.00 | 45.84 -2.59 0.00 | 48.33 -2.88 0.00 | 51.98 -2.60 0.00 | 47.92 -2.30 0.00 | 61.45 -4.07 0.00 | 68.43 -4.26 0.00 | 56.32 -3.22 0.00 | 55.81 -3.58 0.00 | 40.40 -2.06 0.00 | 38.57 -2.02 0.00 | 43.71 -1.64 0.00 | 40.83 -1.09 0.00 |

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| CALVERTON___SOLAR 323806 | 36.17 1.71 0.00 | 35.55 1.51 0.00 | 35.35 1.38 0.00 | 37.57 1.34 0.00 | 34.77 1.33 0.00 | 34.13 1.40 0.00 | 34.57 1.31 0.00 | 45.10 1.33 0.00 | 32.55 1.10 0.00 | 33.32 1.10 -0.31 | 34.09 1.75 0.00 | 48.82 1.94 -12.21 | 54.15 3.00 -2.71 | 54.80 2.72 -0.87 | 58.06 2.51 -0.97 | 60.28 2.28 -7.77 | 82.98 3.21 -14.25 | 104.35 3.84 -27.81 | 73.93 2.89 -11.49 | 70.08 2.83 -7.87 | 44.23 1.77 -0.01 | 42.32 1.72 0.00 | 46.95 1.60 0.00 | 43.22 1.30 0.00 |
| CANDIGU_WT_PWR 323617 | 33.37 -1.10 0.00 | 32.87 -1.17 0.00 | 32.74 -1.23 0.00 | 35.15 -1.07 0.00 | 32.14 -1.30 0.00 | 31.40 -1.33 0.00 | 31.81 -1.46 0.00 | 41.59 -2.19 0.00 | 29.78 -1.67 0.00 | 30.27 -1.64 0.00 | 30.79 -1.56 0.00 | 33.09 -1.57 0.00 | 45.91 -2.53 0.00 | 48.26 -2.95 0.00 | 52.33 -2.25 0.00 | 48.06 -2.17 0.00 | 61.87 -3.64 0.00 | 68.70 -4.00 0.00 | 56.75 -2.80 0.00 | 56.33 -3.06 0.00 | 40.70 -1.76 0.00 | 38.67 -1.92 0.00 | 43.77 -1.59 0.00 | 40.60 -1.33 0.00 |
| CARR STREET_E_SYR 24060 | 33.76 -0.71 0.00 | 33.30 -0.74 0.00 | 33.21 -0.76 0.00 | 35.43 -0.79 0.00 | 32.69 -0.75 0.00 | 32.01 -0.73 0.00 | 32.52 -0.74 0.00 | 42.73 -1.05 0.00 | 30.74 -0.70 0.00 | 31.22 -0.69 0.00 | 31.67 -0.67 0.00 | 33.94 -0.73 0.00 | 47.42 -1.02 0.00 | 50.15 -1.06 0.00 | 53.54 -1.04 0.00 | 49.28 -0.94 0.00 | 64.17 -1.35 0.00 | 71.21 -1.49 0.00 | 58.35 -1.20 0.00 | 58.12 -1.26 0.00 | 41.58 -0.88 0.00 | 39.68 -0.92 0.00 | 44.32 -1.03 0.00 | 40.94 -0.98 0.00 |
| CARTHAGE___PAPER 23857 | 35.56 1.09 0.00 | 35.05 1.01 0.00 | 34.94 0.97 0.00 | 37.23 1.01 0.00 | 34.41 0.97 0.00 | 33.66 0.93 0.00 | 34.29 1.03 0.00 | 45.22 1.45 0.00 | 32.63 1.18 0.00 | 33.17 1.26 0.00 | 33.69 1.34 0.00 | 36.20 1.53 0.00 | 50.63 2.20 0.00 | 53.43 2.23 0.00 | 56.98 2.39 0.00 | 52.79 2.57 0.00 | 69.13 3.62 0.00 | 76.91 4.21 0.00 | 62.80 3.25 0.00 | 62.41 3.03 0.00 | 44.52 2.06 0.00 | 42.44 1.85 0.00 | 47.28 1.93 0.00 | 43.54 1.62 0.00 |
| CASSADAGA_WT_PWR 323784 | 33.99 -0.48 0.00 | 33.53 -0.51 0.00 | 33.41 -0.56 0.00 | 35.94 -0.29 0.00 | 32.79 -0.65 0.00 | 32.11 -0.63 0.00 | 32.60 -0.67 0.00 | 42.67 -1.11 0.00 | 30.32 -1.13 0.00 | 30.87 -1.05 0.00 | 31.29 -1.06 0.00 | 33.60 -1.07 0.00 | 46.89 -1.56 0.00 | 49.25 -1.96 0.00 | 52.78 -1.80 0.00 | 48.22 -2.00 0.00 | 62.27 -3.24 0.00 | 69.78 -2.92 0.00 | 57.66 -1.89 0.00 | 57.34 -2.05 0.00 | 41.36 -1.10 0.00 | 39.40 -1.19 0.00 | 44.58 -0.77 0.00 | 41.56 -0.36 0.00 |
| CE_DUNWOOD___DRP 24194 | 35.40 0.93 0.00 | 34.92 0.89 0.00 | 34.78 0.81 0.00 | 37.08 0.85 0.00 | 34.24 0.80 0.00 | 33.56 0.82 0.00 | 34.15 0.89 0.00 | 44.94 1.16 0.00 | 32.34 0.89 0.00 | 32.86 0.95 0.00 | 33.40 1.05 0.00 | 35.92 1.25 0.00 | 50.29 1.85 0.00 | 52.99 1.78 0.00 | 56.34 1.76 0.00 | 51.87 1.64 0.00 | 67.82 2.31 0.00 | 75.30 2.60 0.00 | 61.55 2.00 0.00 | 61.39 2.00 0.00 | 43.80 1.35 0.00 | 41.79 1.20 0.00 | 46.50 1.14 0.00 | 42.90 0.97 0.00 |
| CE_MILLWOOD___DRP 24193 | 35.36 0.89 0.00 | 34.88 0.84 0.00 | 34.74 0.77 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.51 0.78 0.00 | 34.10 0.84 0.00 | 44.88 1.10 0.00 | 32.30 0.85 0.00 | 32.83 0.92 0.00 | 33.35 1.00 0.00 | 35.86 1.20 0.00 | 50.21 1.77 0.00 | 52.92 1.71 0.00 | 56.27 1.68 0.00 | 51.79 1.56 0.00 | 67.73 2.21 0.00 | 75.19 2.50 0.00 | 61.47 1.92 0.00 | 61.30 1.92 0.00 | 43.74 1.28 0.00 | 41.72 1.13 0.00 | 46.43 1.08 0.00 | 42.84 0.91 0.00 |
| CE_NYC2_DRP 24202 | 35.72 1.25 0.00 | 35.22 1.19 0.00 | 35.05 1.08 0.00 | 37.39 1.16 0.00 | 34.51 1.08 0.00 | 33.83 1.10 0.00 | 34.44 1.18 0.00 | 45.31 1.53 0.00 | 32.61 1.16 0.00 | 33.18 1.26 0.00 | 33.70 1.35 0.00 | 36.24 1.57 0.00 | 50.69 2.25 0.00 | 53.38 2.17 0.00 | 56.68 2.10 0.00 | 52.22 1.99 0.00 | 68.16 2.64 0.00 | 75.72 3.02 0.00 | 61.92 2.37 0.00 | 61.81 2.42 0.00 | 44.12 1.66 0.00 | 42.10 1.51 0.00 | 46.81 1.46 0.00 | 43.21 1.29 0.00 |
| CE_NYC_DRP 24195 | 35.74 1.27 0.00 | 35.22 1.19 0.00 | 35.05 1.09 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.08 0.00 | 34.42 1.16 0.00 | 45.31 1.53 0.00 | 32.62 1.17 0.00 | 33.18 1.27 0.00 | 33.70 1.35 0.00 | 36.25 1.59 0.00 | 50.73 2.29 0.00 | 53.43 2.23 0.00 | 56.83 2.24 0.00 | 52.32 2.10 0.00 | 68.35 2.83 0.00 | 75.94 3.25 0.00 | 62.12 2.57 0.00 | 61.96 2.57 0.00 | 44.20 1.74 0.00 | 42.16 1.57 0.00 | 46.88 1.52 0.00 | 43.23 1.30 0.00 |
| CHAFFEE___LFGE 323603 | 33.64 -0.82 0.00 | 33.25 -0.79 0.00 | 33.11 -0.85 0.00 | 35.55 -0.67 0.00 | 32.50 -0.94 0.00 | 31.79 -0.95 0.00 | 32.18 -1.09 0.00 | 42.14 -1.63 0.00 | 29.79 -1.66 0.00 | 30.32 -1.59 0.00 | 30.85 -1.50 0.00 | 33.12 -1.54 0.00 | 46.03 -2.41 0.00 | 48.53 -2.68 0.00 | 52.19 -2.39 0.00 | 48.11 -2.11 0.00 | 61.71 -3.81 0.00 | 68.75 -3.94 0.00 | 56.59 -2.96 0.00 | 56.07 -3.31 0.00 | 40.57 -1.89 0.00 | 38.72 -1.88 0.00 | 43.85 -1.50 0.00 | 40.93 -1.00 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 35.35 0.89 0.00 | 34.90 0.87 0.00 | 34.82 0.85 0.00 | 37.10 0.88 0.00 | 34.17 0.73 0.00 | 33.41 0.67 0.00 | 33.92 0.66 0.00 | 44.82 1.05 0.00 | 32.12 0.67 0.00 | 32.42 0.51 0.00 | 32.80 0.45 0.00 | 35.10 0.43 0.00 | 48.87 0.43 0.00 | 51.55 0.35 0.00 | 54.97 0.39 0.00 | 50.81 0.59 0.00 | 66.45 0.93 0.00 | 73.96 1.27 0.00 | 60.79 1.24 0.00 | 60.62 1.24 0.00 | 43.29 0.83 0.00 | 41.58 0.98 0.00 | 46.76 1.40 0.00 | 43.34 1.42 0.00 |
| CHATEAUG_WT_PWR 323614 | 35.23 0.76 0.00 | 34.78 0.74 0.00 | 34.71 0.74 0.00 | 36.99 0.77 0.00 | 34.07 0.63 0.00 | 33.31 0.57 0.00 | 33.82 0.56 0.00 | 44.64 0.87 0.00 | 31.99 0.55 0.00 | 32.29 0.37 0.00 | 32.66 0.31 0.00 | 34.94 0.27 0.00 | 48.62 0.18 0.00 | 51.30 0.10 0.00 | 54.70 0.11 0.00 | 50.54 0.31 0.00 | 66.06 0.55 0.00 | 73.50 0.81 0.00 | 60.38 0.83 0.00 | 60.22 0.84 0.00 | 43.01 0.55 0.00 | 41.34 0.75 0.00 | 46.53 1.18 0.00 | 43.13 1.21 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 35.35 0.89 0.00 | 34.90 0.87 0.00 | 34.82 0.85 0.00 | 37.10 0.88 0.00 | 34.17 0.73 0.00 | 33.41 0.67 0.00 | 33.92 0.66 0.00 | 44.82 1.05 0.00 | 32.12 0.67 0.00 | 32.42 0.51 0.00 | 32.80 0.45 0.00 | 35.10 0.43 0.00 | 48.87 0.43 0.00 | 51.55 0.35 0.00 | 54.97 0.39 0.00 | 50.81 0.59 0.00 | 66.45 0.93 0.00 | 73.96 1.27 0.00 | 60.79 1.24 0.00 | 60.62 1.24 0.00 | 43.29 0.83 0.00 | 41.58 0.98 0.00 | 46.76 1.40 0.00 | 43.34 1.42 0.00 |
| CHAUTAUQUA___LFGE 323629 | 33.68 -0.78 0.00 | 33.25 -0.79 0.00 | 33.14 -0.82 0.00 | 35.64 -0.59 0.00 | 32.53 -0.91 0.00 | 31.82 -0.91 0.00 | 32.28 -0.99 0.00 | 42.23 -1.54 0.00 | 29.98 -1.46 0.00 | 30.49 -1.43 0.00 | 30.92 -1.43 0.00 | 33.23 -1.44 0.00 | 46.29 -2.15 0.00 | 48.67 -2.54 0.00 | 52.28 -2.30 0.00 | 47.89 -2.33 0.00 | 61.67 -3.85 0.00 | 68.83 -3.87 0.00 | 56.87 -2.69 0.00 | 56.50 -2.88 0.00 | 40.78 -1.68 0.00 | 38.85 -1.74 0.00 | 44.01 -1.35 0.00 | 41.02 -0.90 0.00 |
| CHERRYST_13_KV_LD 356241 | 35.81 1.34 0.00 | 35.31 1.27 0.00 | 35.12 1.15 0.00 | 37.45 1.22 0.00 | 34.57 1.14 0.00 | 33.89 1.15 0.00 | 34.50 1.24 0.00 | 45.41 1.64 0.00 | 32.68 1.24 0.00 | 33.26 1.34 0.00 | 33.77 1.42 0.00 | 36.34 1.67 0.00 | 50.86 2.42 0.00 | 53.56 2.36 0.00 | 56.97 2.39 0.00 | 52.45 2.23 0.00 | 68.50 2.99 0.00 | 76.13 3.43 0.00 | 62.26 2.71 0.00 | 62.09 2.71 0.00 | 44.31 1.85 0.00 | 42.25 1.65 0.00 | 46.98 1.62 0.00 | 43.31 1.39 0.00 |

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| CHESTROR_138KV_BK263 355645 | 35.20 0.73 0.00 | 34.74 0.70 0.00 | 34.62 0.65 0.00 | 36.91 0.69 0.00 | 34.08 0.64 0.00 | 33.39 0.65 0.00 | 33.97 0.71 0.00 | 44.72 0.94 0.00 | 32.16 0.71 0.00 | 32.67 0.75 0.00 | 33.14 0.79 0.00 | 35.63 0.97 0.00 | 49.92 1.48 0.00 | 52.64 1.43 0.00 | 56.01 1.43 0.00 | 51.56 1.34 0.00 | 67.43 1.92 0.00 | 74.86 2.17 0.00 | 61.21 1.67 0.00 | 61.03 1.65 0.00 | 43.56 1.11 0.00 | 41.55 0.96 0.00 | 46.28 0.93 0.00 | 42.72 0.80 0.00 |
| CH_MIDHUDSON___DRP 24192 | 35.36 0.89 0.00 | 34.89 0.85 0.00 | 34.76 0.79 0.00 | 37.07 0.85 0.00 | 34.24 0.81 0.00 | 33.56 0.82 0.00 | 34.14 0.87 0.00 | 44.92 1.15 0.00 | 32.32 0.87 0.00 | 32.85 0.94 0.00 | 33.34 0.99 0.00 | 35.84 1.17 0.00 | 50.20 1.76 0.00 | 52.96 1.76 0.00 | 56.37 1.78 0.00 | 51.81 1.59 0.00 | 67.78 2.26 0.00 | 75.24 2.55 0.00 | 61.51 1.96 0.00 | 61.34 1.96 0.00 | 43.78 1.32 0.00 | 41.76 1.17 0.00 | 46.47 1.12 0.00 | 42.86 0.94 0.00 |
| CH_MISC_IPPS 23765 | 35.55 1.09 0.00 | 35.08 1.04 0.00 | 34.95 0.98 0.00 | 37.26 1.04 0.00 | 34.41 0.98 0.00 | 33.73 0.99 0.00 | 34.31 1.05 0.00 | 45.17 1.40 0.00 | 32.51 1.06 0.00 | 33.03 1.12 0.00 | 33.52 1.17 0.00 | 36.06 1.39 0.00 | 50.50 2.06 0.00 | 53.29 2.09 0.00 | 56.71 2.12 0.00 | 52.17 1.95 0.00 | 68.26 2.75 0.00 | 75.80 3.10 0.00 | 61.97 2.41 0.00 | 61.78 2.40 0.00 | 44.08 1.62 0.00 | 42.03 1.44 0.00 | 46.76 1.41 0.00 | 43.14 1.22 0.00 |
| CH_RES_BVR_FALLS 23983 | 34.68 0.21 0.00 | 34.26 0.22 0.00 | 34.18 0.21 0.00 | 36.45 0.22 0.00 | 33.62 0.18 0.00 | 32.90 0.17 0.00 | 33.44 0.18 0.00 | 44.04 0.26 0.00 | 31.61 0.16 0.00 | 32.06 0.15 0.00 | 32.50 0.15 0.00 | 34.82 0.15 0.00 | 48.63 0.19 0.00 | 51.34 0.13 0.00 | 54.72 0.14 0.00 | 50.35 0.13 0.00 | 65.64 0.12 0.00 | 72.87 0.18 0.00 | 59.76 0.21 0.00 | 59.81 0.42 0.00 | 42.76 0.30 0.00 | 40.92 0.33 0.00 | 45.78 0.42 0.00 | 42.36 0.44 0.00 |
| CH_RES_NIAGARA 23895 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.10 0.00 |
| CH_RES_SYRACUSE 23985 | 33.97 -0.50 0.00 | 33.51 -0.53 0.00 | 33.41 -0.56 0.00 | 35.64 -0.58 0.00 | 32.87 -0.57 0.00 | 32.20 -0.54 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.95 -0.50 0.00 | 31.44 -0.48 0.00 | 31.87 -0.48 0.00 | 34.14 -0.52 0.00 | 47.73 -0.71 0.00 | 50.47 -0.73 0.00 | 53.92 -0.66 0.00 | 49.60 -0.63 0.00 | 64.62 -0.89 0.00 | 71.73 -0.96 0.00 | 58.74 -0.81 0.00 | 58.54 -0.85 0.00 | 41.86 -0.60 0.00 | 39.94 -0.65 0.00 | 44.61 -0.74 0.00 | 41.19 -0.73 0.00 |
| CLINTON_WT_PWR 323605 | 35.23 0.76 0.00 | 34.78 0.74 0.00 | 34.71 0.74 0.00 | 36.99 0.77 0.00 | 34.07 0.63 0.00 | 33.31 0.57 0.00 | 33.82 0.56 0.00 | 44.64 0.87 0.00 | 31.99 0.55 0.00 | 32.29 0.37 0.00 | 32.66 0.31 0.00 | 34.94 0.27 0.00 | 48.62 0.18 0.00 | 51.30 0.10 0.00 | 54.70 0.11 0.00 | 50.54 0.31 0.00 | 66.06 0.55 0.00 | 73.50 0.81 0.00 | 60.38 0.83 0.00 | 60.22 0.84 0.00 | 43.01 0.55 0.00 | 41.34 0.75 0.00 | 46.53 1.18 0.00 | 43.13 1.21 0.00 |
| CLINTON___LFGE 323618 | 35.61 1.14 0.00 | 35.15 1.11 0.00 | 35.05 1.08 0.00 | 37.36 1.13 0.00 | 34.40 0.96 0.00 | 33.64 0.91 0.00 | 34.16 0.90 0.00 | 45.11 1.34 0.00 | 32.31 0.86 0.00 | 32.52 0.61 0.00 | 32.84 0.49 0.00 | 35.11 0.44 0.00 | 48.74 0.30 0.00 | 51.44 0.23 0.00 | 54.84 0.26 0.00 | 50.68 0.46 0.00 | 66.29 0.77 0.00 | 73.85 1.15 0.00 | 60.71 1.16 0.00 | 60.48 1.10 0.00 | 43.19 0.73 0.00 | 41.58 0.99 0.00 | 46.98 1.62 0.00 | 43.54 1.61 0.00 |
| COBBLENY_34_KV_TB1 80064 | 33.65 -0.82 0.00 | 33.25 -0.79 0.00 | 33.11 -0.85 0.00 | 35.55 -0.67 0.00 | 32.50 -0.94 0.00 | 31.79 -0.95 0.00 | 32.18 -1.09 0.00 | 42.15 -1.63 0.00 | 29.79 -1.66 0.00 | 30.31 -1.60 0.00 | 30.85 -1.50 0.00 | 33.13 -1.54 0.00 | 46.02 -2.42 0.00 | 48.54 -2.67 0.00 | 52.19 -2.39 0.00 | 48.12 -2.11 0.00 | 61.71 -3.81 0.00 | 68.76 -3.94 0.00 | 56.59 -2.96 0.00 | 56.08 -3.31 0.00 | 40.57 -1.88 0.00 | 38.72 -1.88 0.00 | 43.85 -1.50 0.00 | 40.93 -1.00 0.00 |
| COFFEEN___115KV_TB3 355620 | 35.38 0.91 0.00 | 34.84 0.80 0.00 | 34.71 0.74 0.00 | 37.01 0.79 0.00 | 34.22 0.78 0.00 | 33.48 0.75 0.00 | 34.10 0.84 0.00 | 45.00 1.22 0.00 | 32.51 1.06 0.00 | 33.07 1.16 0.00 | 33.61 1.27 0.00 | 36.12 1.45 0.00 | 50.56 2.12 0.00 | 53.35 2.14 0.00 | 56.86 2.28 0.00 | 52.78 2.55 0.00 | 69.12 3.60 0.00 | 76.95 4.25 0.00 | 62.76 3.21 0.00 | 62.35 2.97 0.00 | 44.46 2.01 0.00 | 42.33 1.73 0.00 | 47.07 1.71 0.00 | 43.29 1.37 0.00 |
| COLDSPRG_115KV_BK1 355956 | 34.10 -0.37 0.00 | 33.66 -0.38 0.00 | 33.52 -0.45 0.00 | 36.03 -0.20 0.00 | 32.91 -0.53 0.00 | 32.21 -0.52 0.00 | 32.71 -0.55 0.00 | 42.89 -0.89 0.00 | 30.47 -0.98 0.00 | 31.05 -0.86 0.00 | 31.50 -0.84 0.00 | 33.88 -0.79 0.00 | 47.21 -1.23 0.00 | 49.62 -1.59 0.00 | 53.29 -1.30 0.00 | 48.88 -1.34 0.00 | 63.07 -2.45 0.00 | 70.56 -2.14 0.00 | 58.17 -1.37 0.00 | 57.87 -1.51 0.00 | 41.76 -0.70 0.00 | 39.73 -0.86 0.00 | 44.90 -0.45 0.00 | 41.79 -0.14 0.00 |
| COLONIE_LFGE___ 323577 | 35.04 0.57 0.00 | 34.69 0.65 0.00 | 34.68 0.71 0.00 | 36.96 0.73 0.00 | 34.24 0.80 0.00 | 33.59 0.86 0.00 | 34.12 0.86 0.00 | 44.83 1.06 0.00 | 32.12 0.67 0.00 | 32.64 0.72 0.00 | 33.00 0.65 0.00 | 35.30 0.64 0.00 | 49.36 0.92 0.00 | 52.46 1.25 0.00 | 56.09 1.50 0.00 | 51.26 1.03 0.00 | 67.07 1.56 0.00 | 74.05 1.36 0.00 | 60.43 0.88 0.00 | 60.21 0.83 0.00 | 43.15 0.69 0.00 | 41.20 0.60 0.00 | 45.97 0.62 0.00 | 42.43 0.51 0.00 |
| COOPERNY_115KV_TB1 80082 | 35.08 0.62 0.00 | 34.62 0.58 0.00 | 34.51 0.54 0.00 | 36.81 0.58 0.00 | 33.97 0.53 0.00 | 33.27 0.54 0.00 | 33.82 0.56 0.00 | 44.52 0.75 0.00 | 32.01 0.56 0.00 | 32.52 0.60 0.00 | 33.00 0.65 0.00 | 35.44 0.77 0.00 | 49.62 1.19 0.00 | 52.32 1.12 0.00 | 55.67 1.09 0.00 | 51.21 0.98 0.00 | 66.89 1.38 0.00 | 74.28 1.58 0.00 | 60.76 1.21 0.00 | 60.61 1.22 0.00 | 43.28 0.83 0.00 | 41.30 0.70 0.00 | 46.03 0.68 0.00 | 42.50 0.58 0.00 |
| COPENHAGEN_WT_PWR 323753 | 35.07 0.60 0.00 | 34.54 0.51 0.00 | 34.43 0.46 0.00 | 36.72 0.50 0.00 | 33.94 0.50 0.00 | 33.19 0.46 0.00 | 33.79 0.53 0.00 | 44.54 0.76 0.00 | 32.15 0.70 0.00 | 32.70 0.78 0.00 | 33.23 0.88 0.00 | 35.67 1.01 0.00 | 49.93 1.49 0.00 | 52.66 1.45 0.00 | 56.15 1.57 0.00 | 52.11 1.88 0.00 | 68.21 2.70 0.00 | 75.87 3.18 0.00 | 61.93 2.38 0.00 | 61.56 2.17 0.00 | 43.92 1.47 0.00 | 41.83 1.24 0.00 | 46.57 1.22 0.00 | 42.87 0.94 0.00 |
| CORNELL_____ 23752 | 34.71 0.25 0.00 | 34.24 0.20 0.00 | 34.12 0.15 0.00 | 36.41 0.19 0.00 | 33.54 0.10 0.00 | 32.88 0.14 0.00 | 33.40 0.14 0.00 | 43.90 0.13 0.00 | 31.59 0.14 0.00 | 32.11 0.20 0.00 | 32.55 0.20 0.00 | 34.78 0.11 0.00 | 48.65 0.20 0.00 | 51.41 0.20 0.00 | 54.97 0.38 0.00 | 50.62 0.39 0.00 | 65.93 0.41 0.00 | 73.35 0.65 0.00 | 60.22 0.67 0.00 | 60.00 0.62 0.00 | 42.91 0.45 0.00 | 40.91 0.32 0.00 | 45.72 0.37 0.00 | 42.22 0.29 0.00 |

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| CORONAAV_69_KV_TB1 355595 | 35.83 1.36 0.00 | 35.28 1.24 0.00 | 35.11 1.14 0.00 | 37.43 1.20 0.00 | 34.57 1.14 0.00 | 33.89 1.16 0.00 | 34.39 1.13 0.00 | 45.08 1.31 0.00 | 32.46 1.01 0.00 | 33.02 1.11 0.00 | 33.89 1.54 0.00 | 58.48 1.77 -22.04 | 55.90 2.57 -4.89 | 55.24 2.47 -1.57 | 56.98 2.40 0.00 | 52.46 2.23 0.00 | 73.69 3.06 -5.11 | 104.70 3.52 -28.48 | 65.02 2.73 -2.75 | 62.06 2.68 0.00 | 44.26 1.80 0.00 | 42.28 1.69 0.00 | 46.94 1.58 0.00 | 43.27 1.35 0.00 |
| CORTLAND_115KV_TB3 80093 | 34.44 -0.02 0.00 | 33.98 -0.06 0.00 | 33.89 -0.08 0.00 | 36.17 -0.05 0.00 | 33.36 -0.08 0.00 | 32.68 -0.05 0.00 | 33.21 -0.05 0.00 | 43.66 -0.11 0.00 | 31.41 -0.04 0.00 | 31.91 -0.01 0.00 | 32.36 0.01 0.00 | 34.67 0.00 0.00 | 48.43 0.00 0.00 | 51.22 0.01 0.00 | 54.75 0.16 0.00 | 50.37 0.15 0.00 | 65.65 0.13 0.00 | 72.89 0.20 0.00 | 59.76 0.22 0.00 | 59.57 0.18 0.00 | 42.58 0.12 0.00 | 40.61 0.02 0.00 | 45.35 -0.01 0.00 | 41.85 -0.07 0.00 |
| COXSACKIE___GT 23611 | 35.61 1.14 0.00 | 35.23 1.19 0.00 | 35.20 1.24 0.00 | 37.57 1.35 0.00 | 34.82 1.38 0.00 | 34.11 1.38 0.00 | 34.66 1.40 0.00 | 45.73 1.96 0.00 | 32.95 1.51 0.00 | 33.51 1.59 0.00 | 33.83 1.48 0.00 | 36.12 1.45 0.00 | 50.43 1.99 0.00 | 53.50 2.29 0.00 | 57.44 2.86 0.00 | 52.76 2.53 0.00 | 68.99 3.48 0.00 | 76.52 3.82 0.00 | 62.40 2.85 0.00 | 62.00 2.62 0.00 | 44.30 1.84 0.00 | 42.20 1.60 0.00 | 46.97 1.61 0.00 | 43.29 1.37 0.00 |
| CPV_VALLEY___CC1 323721 | 35.11 0.65 0.00 | 34.65 0.61 0.00 | 34.53 0.56 0.00 | 36.83 0.60 0.00 | 34.00 0.56 0.00 | 33.31 0.58 0.00 | 33.88 0.62 0.00 | 44.60 0.83 0.00 | 32.07 0.63 0.00 | 32.58 0.67 0.00 | 33.07 0.72 0.00 | 35.54 0.87 0.00 | 49.75 1.31 0.00 | 52.47 1.26 0.00 | 55.82 1.24 0.00 | 51.39 1.16 0.00 | 67.19 1.67 0.00 | 74.57 1.88 0.00 | 60.99 1.45 0.00 | 60.83 1.45 0.00 | 43.42 0.97 0.00 | 41.43 0.84 0.00 | 46.15 0.80 0.00 | 42.60 0.67 0.00 |
| CPV_VALLEY___CC2 323722 | 35.11 0.65 0.00 | 34.65 0.61 0.00 | 34.53 0.56 0.00 | 36.83 0.60 0.00 | 34.00 0.56 0.00 | 33.31 0.58 0.00 | 33.88 0.62 0.00 | 44.60 0.83 0.00 | 32.07 0.63 0.00 | 32.58 0.67 0.00 | 33.07 0.72 0.00 | 35.54 0.87 0.00 | 49.75 1.31 0.00 | 52.47 1.26 0.00 | 55.82 1.24 0.00 | 51.39 1.16 0.00 | 67.19 1.67 0.00 | 74.57 1.88 0.00 | 60.99 1.45 0.00 | 60.83 1.45 0.00 | 43.42 0.97 0.00 | 41.43 0.84 0.00 | 46.15 0.80 0.00 | 42.60 0.67 0.00 |
| CRESCENT___HYD 24018 | 35.04 0.57 0.00 | 34.69 0.65 0.00 | 34.68 0.71 0.00 | 36.96 0.73 0.00 | 34.24 0.80 0.00 | 33.59 0.86 0.00 | 34.12 0.86 0.00 | 44.83 1.06 0.00 | 32.12 0.67 0.00 | 32.64 0.72 0.00 | 33.00 0.65 0.00 | 35.30 0.64 0.00 | 49.36 0.92 0.00 | 52.46 1.25 0.00 | 56.09 1.50 0.00 | 51.26 1.03 0.00 | 67.07 1.56 0.00 | 74.05 1.36 0.00 | 60.43 0.88 0.00 | 60.21 0.83 0.00 | 43.15 0.69 0.00 | 41.20 0.60 0.00 | 45.97 0.62 0.00 | 42.43 0.51 0.00 |
| CRICKET___VALLEY_CC1 323756 | 34.91 0.44 0.00 | 34.45 0.41 0.00 | 34.33 0.36 0.00 | 36.60 0.38 0.00 | 33.80 0.37 0.00 | 33.13 0.39 0.00 | 33.69 0.43 0.00 | 44.33 0.56 0.00 | 31.90 0.45 0.00 | 32.42 0.51 0.00 | 32.92 0.57 0.00 | 35.39 0.72 0.00 | 49.52 1.08 0.00 | 52.25 1.05 0.00 | 55.57 0.99 0.00 | 51.09 0.87 0.00 | 66.79 1.28 0.00 | 74.12 1.43 0.00 | 60.60 1.05 0.00 | 60.44 1.05 0.00 | 43.15 0.69 0.00 | 41.20 0.60 0.00 | 45.84 0.49 0.00 | 42.30 0.37 0.00 |
| CRICKET___VALLEY_CC2 323757 | 34.91 0.44 0.00 | 34.45 0.41 0.00 | 34.33 0.36 0.00 | 36.60 0.38 0.00 | 33.80 0.37 0.00 | 33.13 0.39 0.00 | 33.69 0.43 0.00 | 44.33 0.56 0.00 | 31.90 0.45 0.00 | 32.42 0.51 0.00 | 32.92 0.57 0.00 | 35.39 0.72 0.00 | 49.52 1.08 0.00 | 52.25 1.05 0.00 | 55.57 0.99 0.00 | 51.09 0.87 0.00 | 66.79 1.28 0.00 | 74.12 1.43 0.00 | 60.60 1.05 0.00 | 60.44 1.05 0.00 | 43.15 0.69 0.00 | 41.20 0.60 0.00 | 45.84 0.49 0.00 | 42.30 0.37 0.00 |
| CRICKET___VALLEY_CC3 323758 | 34.91 0.44 0.00 | 34.45 0.41 0.00 | 34.33 0.36 0.00 | 36.60 0.38 0.00 | 33.80 0.37 0.00 | 33.13 0.39 0.00 | 33.69 0.43 0.00 | 44.33 0.56 0.00 | 31.90 0.45 0.00 | 32.42 0.51 0.00 | 32.92 0.57 0.00 | 35.39 0.72 0.00 | 49.52 1.08 0.00 | 52.25 1.05 0.00 | 55.57 0.99 0.00 | 51.09 0.87 0.00 | 66.79 1.28 0.00 | 74.12 1.43 0.00 | 60.60 1.05 0.00 | 60.44 1.05 0.00 | 43.15 0.69 0.00 | 41.20 0.60 0.00 | 45.84 0.49 0.00 | 42.30 0.37 0.00 |
| CRUCIBLE_METL_DRP 24180 | 33.97 -0.50 0.00 | 33.51 -0.53 0.00 | 33.42 -0.55 0.00 | 35.65 -0.58 0.00 | 32.87 -0.57 0.00 | 32.19 -0.55 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.95 -0.50 0.00 | 31.44 -0.48 0.00 | 31.87 -0.48 0.00 | 34.15 -0.52 0.00 | 47.73 -0.71 0.00 | 50.47 -0.74 0.00 | 53.92 -0.66 0.00 | 49.60 -0.63 0.00 | 64.62 -0.89 0.00 | 71.73 -0.97 0.00 | 58.73 -0.81 0.00 | 58.54 -0.85 0.00 | 41.86 -0.60 0.00 | 39.94 -0.65 0.00 | 44.61 -0.74 0.00 | 41.19 -0.73 0.00 |
| DAHOWA___HYDRO 323763 | 35.89 1.42 0.00 | 35.51 1.47 0.00 | 35.49 1.52 0.00 | 37.84 1.61 0.00 | 35.04 1.60 0.00 | 34.41 1.67 0.00 | 35.00 1.73 0.00 | 46.03 2.26 0.00 | 32.96 1.51 0.00 | 33.51 1.60 0.00 | 33.92 1.57 0.00 | 36.32 1.65 0.00 | 50.78 2.34 0.00 | 53.99 2.78 0.00 | 57.75 3.17 0.00 | 52.71 2.48 0.00 | 69.09 3.57 0.00 | 76.26 3.56 0.00 | 62.12 2.58 0.00 | 61.88 2.50 0.00 | 44.37 1.91 0.00 | 42.33 1.74 0.00 | 47.29 1.93 0.00 | 43.54 1.61 0.00 |
| DANC___LFGE 323619 | 34.51 0.04 0.00 | 33.99 -0.04 0.00 | 33.86 -0.10 0.00 | 36.12 -0.10 0.00 | 33.37 -0.07 0.00 | 32.63 -0.11 0.00 | 33.17 -0.09 0.00 | 43.69 -0.09 0.00 | 31.53 0.08 0.00 | 32.07 0.15 0.00 | 32.58 0.23 0.00 | 34.95 0.28 0.00 | 48.87 0.42 0.00 | 51.58 0.37 0.00 | 55.02 0.43 0.00 | 50.88 0.65 0.00 | 66.46 0.94 0.00 | 73.87 1.17 0.00 | 60.33 0.78 0.00 | 60.02 0.63 0.00 | 42.88 0.42 0.00 | 40.89 0.30 0.00 | 45.57 0.21 0.00 | 41.96 0.04 0.00 |
| DANSKAMMER___1 23586 | 35.55 1.09 0.00 | 35.08 1.04 0.00 | 34.95 0.98 0.00 | 37.26 1.04 0.00 | 34.41 0.98 0.00 | 33.73 0.99 0.00 | 34.31 1.05 0.00 | 45.17 1.40 0.00 | 32.51 1.06 0.00 | 33.03 1.12 0.00 | 33.52 1.17 0.00 | 36.06 1.39 0.00 | 50.50 2.06 0.00 | 53.29 2.09 0.00 | 56.71 2.12 0.00 | 52.17 1.95 0.00 | 68.26 2.75 0.00 | 75.80 3.10 0.00 | 61.97 2.41 0.00 | 61.78 2.40 0.00 | 44.08 1.62 0.00 | 42.03 1.44 0.00 | 46.76 1.41 0.00 | 43.14 1.22 0.00 |
| DANSKAMMER___2 23589 | 35.55 1.09 0.00 | 35.08 1.04 0.00 | 34.95 0.98 0.00 | 37.26 1.04 0.00 | 34.41 0.98 0.00 | 33.73 0.99 0.00 | 34.31 1.05 0.00 | 45.17 1.40 0.00 | 32.51 1.06 0.00 | 33.03 1.12 0.00 | 33.52 1.17 0.00 | 36.06 1.39 0.00 | 50.50 2.06 0.00 | 53.29 2.09 0.00 | 56.71 2.12 0.00 | 52.17 1.95 0.00 | 68.26 2.75 0.00 | 75.80 3.10 0.00 | 61.97 2.41 0.00 | 61.78 2.40 0.00 | 44.08 1.62 0.00 | 42.03 1.44 0.00 | 46.76 1.41 0.00 | 43.14 1.22 0.00 |
| DANSKAMMER___3 23590 | 35.55 1.09 0.00 | 35.08 1.04 0.00 | 34.95 0.98 0.00 | 37.26 1.04 0.00 | 34.41 0.98 0.00 | 33.73 0.99 0.00 | 34.31 1.05 0.00 | 45.17 1.40 0.00 | 32.51 1.06 0.00 | 33.03 1.12 0.00 | 33.52 1.17 0.00 | 36.06 1.39 0.00 | 50.50 2.06 0.00 | 53.29 2.09 0.00 | 56.71 2.12 0.00 | 52.17 1.95 0.00 | 68.26 2.75 0.00 | 75.80 3.10 0.00 | 61.97 2.41 0.00 | 61.78 2.40 0.00 | 44.08 1.62 0.00 | 42.03 1.44 0.00 | 46.76 1.41 0.00 | 43.14 1.22 0.00 |

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| DANSKAMMER___4 23591 | 35.55 1.09 0.00 | 35.08 1.04 0.00 | 34.95 0.98 0.00 | 37.26 1.04 0.00 | 34.41 0.98 0.00 | 33.73 0.99 0.00 | 34.31 1.05 0.00 | 45.17 1.40 0.00 | 32.51 1.06 0.00 | 33.03 1.12 0.00 | 33.52 1.17 0.00 | 36.06 1.39 0.00 | 50.50 2.06 0.00 | 53.29 2.09 0.00 | 56.71 2.12 0.00 | 52.17 1.95 0.00 | 68.26 2.75 0.00 | 75.80 3.10 0.00 | 61.97 2.41 0.00 | 61.78 2.40 0.00 | 44.08 1.62 0.00 | 42.03 1.44 0.00 | 46.76 1.41 0.00 | 43.14 1.22 0.00 |
| DANSKAMMER___DIESEL 23592 | 35.55 1.08 0.00 | 35.07 1.04 0.00 | 34.95 0.98 0.00 | 37.27 1.04 0.00 | 34.41 0.98 0.00 | 33.72 0.99 0.00 | 34.31 1.05 0.00 | 45.17 1.40 0.00 | 32.51 1.06 0.00 | 33.03 1.12 0.00 | 33.52 1.17 0.00 | 36.05 1.38 0.00 | 50.50 2.06 0.00 | 53.29 2.09 0.00 | 56.71 2.13 0.00 | 52.17 1.94 0.00 | 68.27 2.75 0.00 | 75.80 3.10 0.00 | 61.96 2.41 0.00 | 61.78 2.40 0.00 | 44.08 1.62 0.00 | 42.03 1.44 0.00 | 46.76 1.41 0.00 | 43.14 1.22 0.00 |
| DARBY___SOLAR 323810 | 35.73 1.26 0.00 | 35.36 1.32 0.00 | 35.34 1.37 0.00 | 37.67 1.44 0.00 | 34.88 1.44 0.00 | 34.25 1.51 0.00 | 34.82 1.55 0.00 | 45.80 2.03 0.00 | 32.79 1.34 0.00 | 33.33 1.42 0.00 | 33.73 1.38 0.00 | 36.12 1.45 0.00 | 50.51 2.07 0.00 | 53.68 2.48 0.00 | 57.42 2.84 0.00 | 52.43 2.21 0.00 | 68.69 3.17 0.00 | 75.83 3.14 0.00 | 61.80 2.26 0.00 | 61.58 2.20 0.00 | 44.15 1.69 0.00 | 42.13 1.53 0.00 | 47.05 1.69 0.00 | 43.35 1.42 0.00 |
| DASHVILLE___HYD 23610 | 35.16 0.70 0.00 | 34.69 0.65 0.00 | 34.58 0.62 0.00 | 36.87 0.65 0.00 | 34.07 0.63 0.00 | 33.37 0.64 0.00 | 33.95 0.69 0.00 | 44.68 0.91 0.00 | 32.16 0.71 0.00 | 32.68 0.77 0.00 | 33.17 0.82 0.00 | 35.65 0.99 0.00 | 49.90 1.46 0.00 | 52.72 1.52 0.00 | 56.07 1.49 0.00 | 51.58 1.35 0.00 | 67.42 1.91 0.00 | 74.85 2.16 0.00 | 61.19 1.64 0.00 | 61.04 1.66 0.00 | 43.56 1.11 0.00 | 41.55 0.96 0.00 | 46.23 0.87 0.00 | 42.63 0.71 0.00 |
| DELAWARE___LFGE 323621 | 34.87 0.40 0.00 | 34.41 0.37 0.00 | 34.33 0.37 0.00 | 36.63 0.40 0.00 | 33.77 0.33 0.00 | 33.06 0.32 0.00 | 33.54 0.28 0.00 | 44.13 0.36 0.00 | 31.75 0.31 0.00 | 32.27 0.35 0.00 | 32.74 0.40 0.00 | 35.10 0.44 0.00 | 49.08 0.64 0.00 | 51.78 0.57 0.00 | 55.20 0.62 0.00 | 50.84 0.62 0.00 | 66.33 0.82 0.00 | 73.75 1.05 0.00 | 60.43 0.88 0.00 | 60.32 0.93 0.00 | 43.14 0.68 0.00 | 41.17 0.57 0.00 | 45.91 0.55 0.00 | 42.39 0.46 0.00 |
| DERFIELD_115KV_TB7 355931 | 34.47 0.00 0.00 | 34.04 0.00 0.00 | 33.97 0.00 0.00 | 36.23 0.00 0.00 | 33.44 0.00 0.00 | 32.75 0.02 0.00 | 33.27 0.01 0.00 | 43.77 0.00 0.00 | 31.45 0.00 0.00 | 31.93 0.02 0.00 | 32.35 0.01 0.00 | 34.68 0.02 0.00 | 48.49 0.05 0.00 | 51.27 0.06 0.00 | 54.67 0.09 0.00 | 50.26 0.04 0.00 | 65.58 0.07 0.00 | 72.72 0.03 0.00 | 59.50 -0.05 0.00 | 59.37 -0.01 0.00 | 42.47 0.01 0.00 | 40.59 -0.01 0.00 | 45.30 -0.06 0.00 | 41.85 -0.08 0.00 |
| DOGLEVILLE___HYD 23807 | 36.52 2.05 0.00 | 36.08 2.04 0.00 | 36.01 2.04 0.00 | 38.23 2.01 0.00 | 35.12 1.68 0.00 | 34.38 1.65 0.00 | 34.94 1.68 0.00 | 45.96 2.18 0.00 | 32.97 1.52 0.00 | 33.57 1.66 0.00 | 34.06 1.72 0.00 | 36.44 1.78 0.00 | 50.95 2.51 0.00 | 54.13 2.92 0.00 | 57.74 3.15 0.00 | 52.93 2.71 0.00 | 69.12 3.60 0.00 | 76.64 3.95 0.00 | 62.68 3.13 0.00 | 62.55 3.17 0.00 | 45.25 2.79 0.00 | 43.19 2.60 0.00 | 48.06 2.70 0.00 | 44.19 2.27 0.00 |
| DUNKIRK__115KV_TB_200 55889 | 33.63 -0.84 0.00 | 33.19 -0.84 0.00 | 33.08 -0.88 0.00 | 35.58 -0.64 0.00 | 32.49 -0.95 0.00 | 31.77 -0.96 0.00 | 32.22 -1.05 0.00 | 42.16 -1.61 0.00 | 29.93 -1.52 0.00 | 30.43 -1.49 0.00 | 30.88 -1.47 0.00 | 33.20 -1.47 0.00 | 46.21 -2.23 0.00 | 48.59 -2.61 0.00 | 52.22 -2.36 0.00 | 47.87 -2.35 0.00 | 61.61 -3.90 0.00 | 68.70 -3.99 0.00 | 56.77 -2.78 0.00 | 56.41 -2.98 0.00 | 40.70 -1.76 0.00 | 38.79 -1.81 0.00 | 43.93 -1.43 0.00 | 40.96 -0.96 0.00 |
| DUNKIRK___1 23563 | 33.63 -0.84 0.00 | 33.19 -0.84 0.00 | 33.08 -0.88 0.00 | 35.58 -0.64 0.00 | 32.49 -0.95 0.00 | 31.77 -0.96 0.00 | 32.22 -1.05 0.00 | 42.16 -1.61 0.00 | 29.93 -1.52 0.00 | 30.43 -1.49 0.00 | 30.88 -1.47 0.00 | 33.20 -1.47 0.00 | 46.21 -2.23 0.00 | 48.59 -2.61 0.00 | 52.22 -2.36 0.00 | 47.87 -2.35 0.00 | 61.61 -3.90 0.00 | 68.70 -3.99 0.00 | 56.77 -2.78 0.00 | 56.41 -2.98 0.00 | 40.70 -1.76 0.00 | 38.79 -1.81 0.00 | 43.93 -1.43 0.00 | 40.96 -0.96 0.00 |
| DUNKIRK___2 23564 | 33.63 -0.84 0.00 | 33.19 -0.84 0.00 | 33.08 -0.88 0.00 | 35.58 -0.64 0.00 | 32.49 -0.95 0.00 | 31.77 -0.96 0.00 | 32.22 -1.05 0.00 | 42.16 -1.61 0.00 | 29.93 -1.52 0.00 | 30.43 -1.49 0.00 | 30.88 -1.47 0.00 | 33.20 -1.47 0.00 | 46.21 -2.23 0.00 | 48.59 -2.61 0.00 | 52.22 -2.36 0.00 | 47.87 -2.35 0.00 | 61.61 -3.90 0.00 | 68.70 -3.99 0.00 | 56.77 -2.78 0.00 | 56.41 -2.98 0.00 | 40.70 -1.76 0.00 | 38.79 -1.81 0.00 | 43.93 -1.43 0.00 | 40.96 -0.96 0.00 |
| DUNKIRK___3 23565 | 33.50 -0.97 0.00 | 33.08 -0.96 0.00 | 32.97 -1.00 0.00 | 35.43 -0.79 0.00 | 32.37 -1.07 0.00 | 31.65 -1.08 0.00 | 32.08 -1.18 0.00 | 42.00 -1.78 0.00 | 29.78 -1.67 0.00 | 30.28 -1.63 0.00 | 30.76 -1.59 0.00 | 33.05 -1.61 0.00 | 45.99 -2.45 0.00 | 48.38 -2.82 0.00 | 52.03 -2.55 0.00 | 47.77 -2.46 0.00 | 61.42 -4.09 0.00 | 68.44 -4.26 0.00 | 56.49 -3.06 0.00 | 56.11 -3.28 0.00 | 40.51 -1.94 0.00 | 38.61 -1.98 0.00 | 43.72 -1.63 0.00 | 40.78 -1.14 0.00 |
| DUNKIRK___4 23566 | 33.50 -0.97 0.00 | 33.08 -0.96 0.00 | 32.97 -1.00 0.00 | 35.43 -0.79 0.00 | 32.37 -1.07 0.00 | 31.65 -1.08 0.00 | 32.08 -1.18 0.00 | 42.00 -1.78 0.00 | 29.78 -1.67 0.00 | 30.28 -1.63 0.00 | 30.76 -1.59 0.00 | 33.05 -1.61 0.00 | 45.99 -2.45 0.00 | 48.38 -2.82 0.00 | 52.03 -2.55 0.00 | 47.77 -2.46 0.00 | 61.42 -4.09 0.00 | 68.44 -4.26 0.00 | 56.49 -3.06 0.00 | 56.11 -3.28 0.00 | 40.51 -1.94 0.00 | 38.61 -1.98 0.00 | 43.72 -1.63 0.00 | 40.78 -1.14 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 35.52 1.05 0.00 | 35.02 0.99 0.00 | 34.87 0.90 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.24 0.97 0.00 | 45.05 1.28 0.00 | 32.43 0.98 0.00 | 32.97 1.06 0.00 | 33.52 1.17 0.00 | 36.05 1.38 0.00 | 50.47 2.03 0.00 | 53.17 1.97 0.00 | 56.52 1.94 0.00 | 52.03 1.80 0.00 | 68.02 2.50 0.00 | 75.52 2.83 0.00 | 61.75 2.19 0.00 | 61.58 2.19 0.00 | 43.93 1.47 0.00 | 41.91 1.32 0.00 | 46.61 1.26 0.00 | 42.98 1.06 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 35.37 0.90 0.00 | 34.89 0.85 0.00 | 34.76 0.79 0.00 | 37.07 0.85 0.00 | 34.23 0.79 0.00 | 33.54 0.81 0.00 | 34.13 0.87 0.00 | 44.94 1.16 0.00 | 32.33 0.88 0.00 | 32.84 0.93 0.00 | 33.33 0.98 0.00 | 35.84 1.17 0.00 | 50.21 1.77 0.00 | 52.96 1.75 0.00 | 56.34 1.76 0.00 | 51.86 1.63 0.00 | 67.84 2.32 0.00 | 75.33 2.63 0.00 | 61.59 2.05 0.00 | 61.41 2.03 0.00 | 43.82 1.37 0.00 | 41.79 1.20 0.00 | 46.52 1.16 0.00 | 42.93 1.00 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 35.70 1.24 0.00 | 35.19 1.15 0.00 | 35.01 1.05 0.00 | 37.35 1.13 0.00 | 34.48 1.05 0.00 | 33.80 1.06 0.00 | 34.40 1.14 0.00 | 45.27 1.49 0.00 | 32.54 1.09 0.00 | 33.10 1.19 0.00 | 33.64 1.29 0.00 | 36.15 1.49 0.00 | 50.60 2.16 0.00 | 53.29 2.09 0.00 | 56.59 2.01 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.70 3.00 0.00 | 61.92 2.37 0.00 | 61.82 2.44 0.00 | 44.14 1.68 0.00 | 42.11 1.52 0.00 | 46.82 1.46 0.00 | 43.23 1.31 0.00 |

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| E179THST_13_KV_LOAD 356214 | 35.84 1.38 0.00 | 35.32 1.28 0.00 | 35.13 1.17 0.00 | 37.48 1.26 0.00 | 34.61 1.17 0.00 | 33.92 1.19 0.00 | 34.52 1.26 0.00 | 45.44 1.67 0.00 | 32.66 1.21 0.00 | 33.23 1.32 0.00 | 33.77 1.43 0.00 | 36.31 1.64 0.00 | 50.82 2.38 0.00 | 53.54 2.34 0.00 | 56.85 2.27 0.00 | 52.42 2.19 0.00 | 68.44 2.93 0.00 | 76.05 3.36 0.00 | 62.21 2.67 0.00 | 62.10 2.72 0.00 | 44.35 1.89 0.00 | 42.31 1.72 0.00 | 47.01 1.66 0.00 | 43.40 1.48 0.00 |
| EAST HAMPTON___GT 23717 | 37.00 2.53 0.00 | 36.21 2.17 0.00 | 35.89 1.92 0.00 | 38.02 1.80 0.00 | 35.14 1.70 0.00 | 34.65 1.91 0.00 | 34.79 1.52 0.00 | 45.36 1.59 0.00 | 33.04 1.59 0.00 | 33.80 1.58 -0.31 | 34.28 1.93 0.00 | 48.79 1.90 -12.22 | 53.89 2.75 -2.71 | 54.05 1.98 -0.87 | 57.11 1.57 -0.96 | 59.19 1.28 -7.69 | 81.63 1.98 -14.14 | 102.84 2.45 -27.69 | 72.47 1.53 -11.39 | 68.92 1.74 -7.79 | 43.19 0.72 -0.01 | 41.39 0.80 0.00 | 46.65 1.29 0.00 | 42.97 1.05 0.00 |
| EAST RIVER___6 23660 | 35.73 1.26 0.00 | 35.21 1.17 0.00 | 35.01 1.04 0.00 | 37.32 1.09 0.00 | 34.46 1.02 0.00 | 33.78 1.05 0.00 | 34.39 1.13 0.00 | 45.28 1.50 0.00 | 32.61 1.16 0.00 | 33.18 1.27 0.00 | 33.70 1.35 0.00 | 36.26 1.60 0.00 | 50.76 2.32 0.00 | 53.46 2.25 0.00 | 56.96 2.37 0.00 | 52.43 2.20 0.00 | 68.39 2.88 0.00 | 76.02 3.32 0.00 | 62.23 2.68 0.00 | 61.98 2.59 0.00 | 44.21 1.76 0.00 | 42.17 1.58 0.00 | 46.87 1.52 0.00 | 43.21 1.29 0.00 |
| EAST RIVER___7 23524 | 35.73 1.26 0.00 | 35.21 1.17 0.00 | 35.01 1.04 0.00 | 37.32 1.09 0.00 | 34.46 1.02 0.00 | 33.78 1.05 0.00 | 34.39 1.13 0.00 | 45.28 1.50 0.00 | 32.61 1.16 0.00 | 33.18 1.27 0.00 | 33.70 1.35 0.00 | 36.26 1.60 0.00 | 50.76 2.32 0.00 | 53.46 2.25 0.00 | 56.96 2.37 0.00 | 52.43 2.20 0.00 | 68.39 2.88 0.00 | 76.02 3.32 0.00 | 62.23 2.68 0.00 | 61.98 2.59 0.00 | 44.21 1.76 0.00 | 42.17 1.58 0.00 | 46.87 1.52 0.00 | 43.21 1.29 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 35.40 0.93 0.00 | 34.92 0.89 0.00 | 34.78 0.81 0.00 | 37.08 0.85 0.00 | 34.24 0.80 0.00 | 33.56 0.82 0.00 | 34.15 0.89 0.00 | 44.94 1.16 0.00 | 32.34 0.89 0.00 | 32.86 0.95 0.00 | 33.40 1.05 0.00 | 35.92 1.25 0.00 | 50.29 1.85 0.00 | 52.99 1.78 0.00 | 56.34 1.76 0.00 | 51.87 1.64 0.00 | 67.82 2.31 0.00 | 75.30 2.60 0.00 | 61.55 2.00 0.00 | 61.39 2.00 0.00 | 43.80 1.35 0.00 | 41.79 1.20 0.00 | 46.50 1.14 0.00 | 42.90 0.97 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 37.00 2.53 0.00 | 36.20 2.16 0.00 | 35.87 1.91 0.00 | 37.99 1.77 0.00 | 35.10 1.66 0.00 | 34.62 1.89 0.00 | 34.75 1.49 0.00 | 45.32 1.54 0.00 | 33.02 1.57 0.00 | 33.78 1.56 -0.31 | 34.24 1.89 0.00 | 48.73 1.85 -12.22 | 53.80 2.64 -2.71 | 53.91 1.84 -0.87 | 56.96 1.42 -0.96 | 59.03 1.11 -7.69 | 81.43 1.77 -14.14 | 102.60 2.21 -27.69 | 72.27 1.33 -11.39 | 68.73 1.55 -7.79 | 43.04 0.57 -0.01 | 41.27 0.68 0.00 | 46.56 1.20 0.00 | 42.90 0.98 0.00 |
| EAST_POINT___SOLAR 323840 | 35.17 0.71 0.00 | 34.68 0.64 0.00 | 34.53 0.56 0.00 | 36.74 0.51 0.00 | 33.87 0.43 0.00 | 33.17 0.43 0.00 | 33.79 0.52 0.00 | 44.56 0.79 0.00 | 32.03 0.58 0.00 | 32.57 0.65 0.00 | 32.96 0.61 0.00 | 35.12 0.46 0.00 | 49.36 0.92 0.00 | 52.21 1.01 0.00 | 55.79 1.21 0.00 | 51.50 1.28 0.00 | 67.24 1.73 0.00 | 74.74 2.05 0.00 | 61.18 1.63 0.00 | 61.06 1.68 0.00 | 43.82 1.36 0.00 | 41.74 1.15 0.00 | 46.51 1.15 0.00 | 42.88 0.96 0.00 |
| EAST_PULASKI___ESR 323781 | 33.97 -0.50 0.00 | 33.46 -0.58 0.00 | 33.33 -0.63 0.00 | 35.57 -0.65 0.00 | 32.85 -0.59 0.00 | 32.12 -0.62 0.00 | 32.61 -0.66 0.00 | 42.92 -0.86 0.00 | 30.96 -0.48 0.00 | 31.48 -0.43 0.00 | 31.96 -0.38 0.00 | 34.26 -0.41 0.00 | 47.85 -0.59 0.00 | 50.58 -0.63 0.00 | 53.96 -0.62 0.00 | 49.74 -0.48 0.00 | 64.83 -0.68 0.00 | 72.01 -0.69 0.00 | 58.90 -0.65 0.00 | 58.64 -0.75 0.00 | 41.96 -0.50 0.00 | 40.03 -0.57 0.00 | 44.62 -0.74 0.00 | 41.08 -0.84 0.00 |
| EAST_RIVER___1 323558 | 35.74 1.27 0.00 | 35.23 1.19 0.00 | 35.05 1.09 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.08 0.00 | 34.42 1.16 0.00 | 45.31 1.54 0.00 | 32.62 1.17 0.00 | 33.18 1.27 0.00 | 33.70 1.35 0.00 | 36.26 1.59 0.00 | 50.73 2.29 0.00 | 53.43 2.23 0.00 | 56.82 2.24 0.00 | 52.32 2.10 0.00 | 68.34 2.83 0.00 | 75.95 3.25 0.00 | 62.12 2.57 0.00 | 61.96 2.58 0.00 | 44.20 1.74 0.00 | 42.16 1.57 0.00 | 46.87 1.52 0.00 | 43.23 1.30 0.00 |
| EAST_RIVER___2 323559 | 35.73 1.26 0.00 | 35.21 1.17 0.00 | 35.01 1.04 0.00 | 37.32 1.09 0.00 | 34.46 1.02 0.00 | 33.78 1.05 0.00 | 34.39 1.13 0.00 | 45.28 1.50 0.00 | 32.61 1.16 0.00 | 33.18 1.27 0.00 | 33.70 1.35 0.00 | 36.26 1.60 0.00 | 50.76 2.32 0.00 | 53.46 2.25 0.00 | 56.96 2.37 0.00 | 52.43 2.20 0.00 | 68.39 2.88 0.00 | 76.02 3.32 0.00 | 62.23 2.68 0.00 | 61.98 2.59 0.00 | 44.21 1.76 0.00 | 42.17 1.58 0.00 | 46.87 1.52 0.00 | 43.21 1.29 0.00 |
| EAST___DELAWARE_HYD 23607 | 34.75 0.28 0.00 | 34.27 0.23 0.00 | 34.14 0.17 0.00 | 36.40 0.18 0.00 | 33.61 0.17 0.00 | 32.93 0.20 0.00 | 33.50 0.24 0.00 | 44.14 0.37 0.00 | 31.78 0.34 0.00 | 32.30 0.38 0.00 | 32.76 0.42 0.00 | 35.21 0.54 0.00 | 49.42 0.98 0.00 | 52.14 0.93 0.00 | 55.47 0.88 0.00 | 51.08 0.85 0.00 | 66.81 1.30 0.00 | 74.21 1.51 0.00 | 60.69 1.14 0.00 | 60.49 1.11 0.00 | 43.13 0.67 0.00 | 41.11 0.52 0.00 | 45.73 0.37 0.00 | 42.14 0.21 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 33.90 -0.57 0.00 | 33.36 -0.68 0.00 | 33.25 -0.71 0.00 | 35.72 -0.51 0.00 | 32.62 -0.82 0.00 | 31.88 -0.85 0.00 | 32.24 -1.02 0.00 | 42.02 -1.76 0.00 | 30.17 -1.27 0.00 | 30.70 -1.21 0.00 | 31.30 -1.05 0.00 | 33.60 -1.07 0.00 | 46.63 -1.81 0.00 | 49.00 -2.21 0.00 | 53.29 -1.30 0.00 | 48.87 -1.35 0.00 | 62.83 -2.69 0.00 | 69.94 -2.76 0.00 | 57.81 -1.74 0.00 | 57.33 -2.05 0.00 | 41.38 -1.08 0.00 | 39.29 -1.30 0.00 | 44.50 -0.86 0.00 | 41.27 -0.65 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 33.79 -0.68 0.00 | 33.35 -0.69 0.00 | 33.25 -0.72 0.00 | 35.44 -0.79 0.00 | 32.68 -0.76 0.00 | 32.04 -0.70 0.00 | 32.56 -0.70 0.00 | 42.80 -0.98 0.00 | 30.79 -0.66 0.00 | 31.27 -0.64 0.00 | 31.66 -0.68 0.00 | 33.90 -0.76 0.00 | 47.42 -1.02 0.00 | 50.16 -1.05 0.00 | 53.56 -1.02 0.00 | 49.29 -0.93 0.00 | 64.21 -1.30 0.00 | 71.29 -1.41 0.00 | 58.32 -1.23 0.00 | 58.16 -1.23 0.00 | 41.58 -0.88 0.00 | 39.71 -0.88 0.00 | 44.36 -0.99 0.00 | 41.00 -0.93 0.00 |
| ELEC_TRO_TEK 24086 | 35.71 1.25 0.00 | 35.17 1.13 0.00 | 35.00 1.03 0.00 | 37.32 1.09 0.00 | 34.47 1.03 0.00 | 33.79 1.05 0.00 | 34.29 1.03 0.00 | 44.97 1.20 0.00 | 32.39 0.94 0.00 | 32.94 1.02 0.00 | 33.79 1.44 0.00 | 58.10 1.65 -21.78 | 55.71 2.43 -4.83 | 55.06 2.30 -1.55 | 56.80 2.21 0.00 | 52.28 2.06 0.00 | 73.39 2.83 -5.05 | 104.09 3.25 -28.14 | 64.78 2.52 -2.72 | 61.87 2.49 0.00 | 44.11 1.65 0.00 | 42.12 1.54 0.00 | 46.76 1.40 0.00 | 43.12 1.20 0.00 |
| ELLENBURG_WT_PWR 323604 | 35.23 0.76 0.00 | 34.78 0.74 0.00 | 34.71 0.74 0.00 | 36.99 0.77 0.00 | 34.07 0.63 0.00 | 33.31 0.57 0.00 | 33.82 0.56 0.00 | 44.64 0.87 0.00 | 31.99 0.55 0.00 | 32.29 0.37 0.00 | 32.66 0.31 0.00 | 34.94 0.27 0.00 | 48.62 0.18 0.00 | 51.30 0.10 0.00 | 54.70 0.11 0.00 | 50.54 0.31 0.00 | 66.06 0.55 0.00 | 73.50 0.81 0.00 | 60.38 0.83 0.00 | 60.22 0.84 0.00 | 43.01 0.55 0.00 | 41.34 0.75 0.00 | 46.53 1.18 0.00 | 43.13 1.21 0.00 |

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| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 33.46 -1.01 0.00 | 33.09 -0.95 0.00 | 32.98 -0.99 0.00 | 35.41 -0.81 0.00 | 32.37 -1.07 0.00 | 31.65 -1.08 0.00 | 32.03 -1.23 0.00 | 41.92 -1.86 0.00 | 29.60 -1.84 0.00 | 30.10 -1.81 0.00 | 30.62 -1.73 0.00 | 32.87 -1.80 0.00 | 45.69 -2.75 0.00 | 48.16 -3.05 0.00 | 51.71 -2.87 0.00 | 47.68 -2.55 0.00 | 61.15 -4.37 0.00 | 68.04 -4.65 0.00 | 56.00 -3.55 0.00 | 55.49 -3.89 0.00 | 40.16 -2.30 0.00 | 38.35 -2.24 0.00 | 43.48 -1.88 0.00 | 40.65 -1.28 0.00 |
| EMPIRE_CC_1 323656 | 34.47 0.01 0.00 | 34.21 0.17 0.00 | 34.21 0.25 0.00 | 36.47 0.25 0.00 | 33.84 0.41 0.00 | 33.14 0.40 0.00 | 33.59 0.33 0.00 | 44.08 0.30 0.00 | 31.60 0.15 0.00 | 32.09 0.18 0.00 | 32.44 0.09 0.00 | 34.66 0.00 0.00 | 48.47 0.03 0.00 | 51.52 0.32 0.00 | 55.07 0.49 0.00 | 50.32 0.09 0.00 | 65.73 0.21 0.00 | 72.52 -0.18 0.00 | 59.21 -0.33 0.00 | 59.04 -0.34 0.00 | 42.36 -0.09 0.00 | 40.47 -0.12 0.00 | 45.15 -0.21 0.00 | 41.74 -0.18 0.00 |
| EMPIRE_CC_2 323658 | 34.47 0.01 0.00 | 34.21 0.17 0.00 | 34.21 0.25 0.00 | 36.47 0.25 0.00 | 33.84 0.41 0.00 | 33.14 0.40 0.00 | 33.59 0.33 0.00 | 44.08 0.30 0.00 | 31.60 0.15 0.00 | 32.09 0.18 0.00 | 32.44 0.09 0.00 | 34.66 0.00 0.00 | 48.47 0.03 0.00 | 51.52 0.32 0.00 | 55.07 0.49 0.00 | 50.32 0.09 0.00 | 65.73 0.21 0.00 | 72.52 -0.18 0.00 | 59.21 -0.33 0.00 | 59.04 -0.34 0.00 | 42.36 -0.09 0.00 | 40.47 -0.12 0.00 | 45.15 -0.21 0.00 | 41.74 -0.18 0.00 |
| ENORWICH_115KV_TB1 80156 | 36.48 2.02 0.00 | 35.94 1.90 0.00 | 35.72 1.76 0.00 | 38.08 1.86 0.00 | 34.93 1.49 0.00 | 34.32 1.58 0.00 | 34.71 1.44 0.00 | 45.66 1.89 0.00 | 32.89 1.45 0.00 | 33.43 1.52 0.00 | 34.00 1.65 0.00 | 36.15 1.48 0.00 | 50.63 2.19 0.00 | 53.02 1.81 0.00 | 56.13 1.55 0.00 | 51.21 0.98 0.00 | 66.94 1.43 0.00 | 75.32 2.63 0.00 | 62.60 3.05 0.00 | 62.51 3.13 0.00 | 44.89 2.44 0.00 | 42.78 2.18 0.00 | 47.74 2.38 0.00 | 44.03 2.11 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 33.60 -0.87 0.00 | 33.19 -0.85 0.00 | 33.07 -0.90 0.00 | 35.51 -0.72 0.00 | 32.46 -0.98 0.00 | 31.77 -0.97 0.00 | 32.14 -1.12 0.00 | 42.08 -1.70 0.00 | 29.77 -1.67 0.00 | 30.29 -1.63 0.00 | 30.81 -1.54 0.00 | 33.10 -1.56 0.00 | 46.01 -2.43 0.00 | 48.50 -2.70 0.00 | 52.14 -2.44 0.00 | 48.06 -2.17 0.00 | 61.68 -3.84 0.00 | 68.73 -3.97 0.00 | 56.58 -2.97 0.00 | 56.08 -3.30 0.00 | 40.57 -1.89 0.00 | 38.69 -1.90 0.00 | 43.85 -1.50 0.00 | 40.91 -1.02 0.00 |
| ERIE_WT_PWR 323693 | 33.61 -0.86 0.00 | 33.22 -0.82 0.00 | 33.10 -0.87 0.00 | 35.54 -0.69 0.00 | 32.46 -0.98 0.00 | 31.76 -0.97 0.00 | 32.13 -1.13 0.00 | 42.04 -1.73 0.00 | 29.71 -1.74 0.00 | 30.21 -1.70 0.00 | 30.74 -1.61 0.00 | 32.99 -1.68 0.00 | 45.83 -2.61 0.00 | 48.33 -2.88 0.00 | 52.01 -2.58 0.00 | 47.93 -2.30 0.00 | 61.45 -4.07 0.00 | 68.45 -4.24 0.00 | 56.32 -3.22 0.00 | 55.79 -3.59 0.00 | 40.41 -2.05 0.00 | 38.57 -2.02 0.00 | 43.73 -1.63 0.00 | 40.84 -1.08 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 34.65 0.18 0.00 | 34.14 0.10 0.00 | 33.99 0.02 0.00 | 36.18 -0.05 0.00 | 33.27 -0.17 0.00 | 32.53 -0.20 0.00 | 33.07 -0.19 0.00 | 43.55 -0.22 0.00 | 31.37 -0.07 0.00 | 31.90 -0.01 0.00 | 32.40 0.05 0.00 | 34.70 0.03 0.00 | 48.54 0.10 0.00 | 51.18 -0.02 0.00 | 54.41 -0.17 0.00 | 50.15 -0.08 0.00 | 65.35 -0.16 0.00 | 72.79 0.09 0.00 | 59.81 0.26 0.00 | 59.75 0.37 0.00 | 42.90 0.45 0.00 | 40.90 0.30 0.00 | 45.64 0.28 0.00 | 42.16 0.23 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 34.67 0.20 0.00 | 34.20 0.16 0.00 | 34.09 0.12 0.00 | 36.37 0.15 0.00 | 33.50 0.06 0.00 | 32.84 0.10 0.00 | 33.37 0.11 0.00 | 43.86 0.09 0.00 | 31.56 0.11 0.00 | 32.07 0.16 0.00 | 32.51 0.16 0.00 | 34.74 0.08 0.00 | 48.60 0.16 0.00 | 51.36 0.15 0.00 | 54.91 0.32 0.00 | 50.55 0.33 0.00 | 65.86 0.34 0.00 | 73.25 0.55 0.00 | 60.12 0.57 0.00 | 59.90 0.52 0.00 | 42.84 0.38 0.00 | 40.87 0.27 0.00 | 45.65 0.29 0.00 | 42.14 0.22 0.00 |
| ETNA____115KV_TB2 80207 | 34.67 0.20 0.00 | 34.20 0.16 0.00 | 34.09 0.12 0.00 | 36.37 0.15 0.00 | 33.50 0.06 0.00 | 32.84 0.10 0.00 | 33.37 0.11 0.00 | 43.86 0.09 0.00 | 31.56 0.11 0.00 | 32.07 0.16 0.00 | 32.51 0.16 0.00 | 34.74 0.08 0.00 | 48.60 0.16 0.00 | 51.36 0.15 0.00 | 54.91 0.32 0.00 | 50.55 0.33 0.00 | 65.86 0.34 0.00 | 73.25 0.55 0.00 | 60.12 0.57 0.00 | 59.90 0.52 0.00 | 42.84 0.38 0.00 | 40.87 0.27 0.00 | 45.65 0.29 0.00 | 42.14 0.22 0.00 |
| EUCLID___115KV_TB2 356179 | 33.65 -0.82 0.00 | 33.19 -0.85 0.00 | 33.10 -0.87 0.00 | 35.32 -0.91 0.00 | 32.59 -0.85 0.00 | 31.90 -0.83 0.00 | 32.41 -0.86 0.00 | 42.58 -1.19 0.00 | 30.62 -0.82 0.00 | 31.11 -0.80 0.00 | 31.55 -0.80 0.00 | 33.80 -0.87 0.00 | 47.24 -1.20 0.00 | 49.94 -1.27 0.00 | 53.32 -1.27 0.00 | 49.06 -1.16 0.00 | 63.88 -1.64 0.00 | 70.91 -1.79 0.00 | 58.07 -1.49 0.00 | 57.84 -1.54 0.00 | 41.40 -1.06 0.00 | 39.51 -1.08 0.00 | 44.16 -1.20 0.00 | 40.80 -1.13 0.00 |
| E_CANADA_CAP_HY 24051 | 34.43 -0.04 0.00 | 33.95 -0.09 0.00 | 33.78 -0.19 0.00 | 35.90 -0.33 0.00 | 33.02 -0.42 0.00 | 32.28 -0.46 0.00 | 32.86 -0.40 0.00 | 43.32 -0.46 0.00 | 31.15 -0.29 0.00 | 31.65 -0.26 0.00 | 32.12 -0.22 0.00 | 34.38 -0.28 0.00 | 48.10 -0.34 0.00 | 50.88 -0.33 0.00 | 54.11 -0.48 0.00 | 49.93 -0.29 0.00 | 65.04 -0.48 0.00 | 72.31 -0.39 0.00 | 59.27 -0.28 0.00 | 59.26 -0.13 0.00 | 42.68 0.22 0.00 | 40.71 0.12 0.00 | 45.43 0.08 0.00 | 41.97 0.05 0.00 |
| E_CANADA_MHWK_HY 24050 | 36.52 2.05 0.00 | 36.08 2.04 0.00 | 36.01 2.04 0.00 | 38.23 2.01 0.00 | 35.12 1.67 0.00 | 34.38 1.65 0.00 | 34.94 1.68 0.00 | 45.96 2.18 0.00 | 32.97 1.52 0.00 | 33.57 1.66 0.00 | 34.06 1.72 0.00 | 36.44 1.78 0.00 | 50.95 2.51 0.00 | 54.12 2.92 0.00 | 57.73 3.15 0.00 | 52.93 2.71 0.00 | 69.12 3.60 0.00 | 76.64 3.94 0.00 | 62.67 3.12 0.00 | 62.55 3.17 0.00 | 45.25 2.79 0.00 | 43.19 2.60 0.00 | 48.06 2.70 0.00 | 44.19 2.27 0.00 |
| E_FISHKILL___LBMP 23776 | 35.22 0.75 0.00 | 34.75 0.71 0.00 | 34.62 0.66 0.00 | 36.93 0.70 0.00 | 34.10 0.66 0.00 | 33.42 0.68 0.00 | 33.99 0.72 0.00 | 44.72 0.95 0.00 | 32.18 0.73 0.00 | 32.70 0.79 0.00 | 33.21 0.86 0.00 | 35.71 1.04 0.00 | 49.96 1.52 0.00 | 52.70 1.49 0.00 | 56.06 1.48 0.00 | 51.56 1.33 0.00 | 67.40 1.89 0.00 | 74.81 2.12 0.00 | 61.16 1.62 0.00 | 61.00 1.61 0.00 | 43.55 1.09 0.00 | 41.55 0.96 0.00 | 46.25 0.89 0.00 | 42.67 0.75 0.00 |
| FALCON___SEABRD_CC1 323796 | 35.49 1.02 0.00 | 35.05 1.01 0.00 | 34.95 0.99 0.00 | 37.26 1.04 0.00 | 34.32 0.88 0.00 | 33.54 0.81 0.00 | 34.03 0.77 0.00 | 44.88 1.11 0.00 | 32.10 0.66 0.00 | 32.18 0.27 0.00 | 32.39 0.05 0.00 | 34.56 -0.11 0.00 | 47.85 -0.59 0.00 | 50.48 -0.72 0.00 | 53.82 -0.76 0.00 | 49.75 -0.48 0.00 | 65.06 -0.46 0.00 | 72.43 -0.27 0.00 | 59.51 -0.04 0.00 | 59.34 -0.04 0.00 | 42.38 -0.07 0.00 | 40.98 0.39 0.00 | 46.55 1.20 0.00 | 43.21 1.29 0.00 |
| FALCON___SEABRD_CC2 323797 | 35.49 1.02 0.00 | 35.05 1.01 0.00 | 34.95 0.99 0.00 | 37.26 1.04 0.00 | 34.32 0.88 0.00 | 33.54 0.81 0.00 | 34.03 0.77 0.00 | 44.88 1.11 0.00 | 32.10 0.66 0.00 | 32.18 0.27 0.00 | 32.39 0.05 0.00 | 34.56 -0.11 0.00 | 47.85 -0.59 0.00 | 50.48 -0.72 0.00 | 53.82 -0.76 0.00 | 49.75 -0.48 0.00 | 65.06 -0.46 0.00 | 72.43 -0.27 0.00 | 59.51 -0.04 0.00 | 59.34 -0.04 0.00 | 42.38 -0.07 0.00 | 40.98 0.39 0.00 | 46.55 1.20 0.00 | 43.21 1.29 0.00 |

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| FAR ROCKAWAY___4 23548 | 36.10 1.63 0.00 | 35.53 1.49 0.00 | 35.35 1.38 0.00 | 37.68 1.46 0.00 | 34.81 1.37 0.00 | 34.12 1.39 0.00 | 34.63 1.37 0.00 | 45.39 1.61 0.00 | 32.67 1.23 0.00 | 33.24 1.33 0.00 | 34.15 1.80 0.00 | 56.66 2.08 -19.91 | 55.85 3.00 -4.41 | 55.55 2.93 -1.42 | 57.49 2.90 0.00 | 52.92 2.70 0.00 | 73.79 3.66 -4.61 | 102.67 4.25 -25.73 | 65.31 3.28 -2.48 | 62.61 3.23 0.00 | 44.64 2.19 0.00 | 42.63 2.04 0.00 | 47.31 1.95 0.00 | 43.64 1.71 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 35.74 1.27 0.00 | 35.24 1.21 0.00 | 35.06 1.09 0.00 | 37.38 1.16 0.00 | 34.51 1.07 0.00 | 33.83 1.09 0.00 | 34.44 1.18 0.00 | 45.32 1.55 0.00 | 32.62 1.17 0.00 | 33.18 1.27 0.00 | 33.70 1.35 0.00 | 36.26 1.59 0.00 | 50.73 2.29 0.00 | 53.44 2.23 0.00 | 56.81 2.23 0.00 | 52.31 2.09 0.00 | 68.35 2.83 0.00 | 75.94 3.25 0.00 | 62.12 2.57 0.00 | 61.97 2.58 0.00 | 44.21 1.75 0.00 | 42.17 1.58 0.00 | 46.88 1.53 0.00 | 43.25 1.32 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 35.74 1.27 0.00 | 35.25 1.21 0.00 | 35.07 1.10 0.00 | 37.39 1.16 0.00 | 34.51 1.08 0.00 | 33.83 1.09 0.00 | 34.44 1.18 0.00 | 45.33 1.55 0.00 | 32.62 1.17 0.00 | 33.18 1.27 0.00 | 33.70 1.35 0.00 | 36.26 1.59 0.00 | 50.73 2.30 0.00 | 53.44 2.23 0.00 | 56.81 2.23 0.00 | 52.32 2.09 0.00 | 68.35 2.83 0.00 | 75.95 3.26 0.00 | 62.12 2.57 0.00 | 61.98 2.59 0.00 | 44.22 1.76 0.00 | 42.17 1.58 0.00 | 46.89 1.53 0.00 | 43.25 1.33 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 35.72 1.25 0.00 | 35.22 1.18 0.00 | 35.05 1.08 0.00 | 37.37 1.14 0.00 | 34.50 1.06 0.00 | 33.81 1.08 0.00 | 34.42 1.16 0.00 | 45.29 1.52 0.00 | 32.61 1.16 0.00 | 33.17 1.25 0.00 | 33.68 1.33 0.00 | 36.23 1.57 0.00 | 50.70 2.27 0.00 | 53.40 2.20 0.00 | 56.78 2.20 0.00 | 52.28 2.06 0.00 | 68.29 2.77 0.00 | 75.89 3.20 0.00 | 62.06 2.51 0.00 | 61.92 2.54 0.00 | 44.18 1.72 0.00 | 42.14 1.55 0.00 | 46.86 1.50 0.00 | 43.22 1.29 0.00 |
| FARRAGUT___LBMP 323566 | 35.70 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.06 0.00 | 37.35 1.12 0.00 | 34.48 1.04 0.00 | 33.80 1.06 0.00 | 34.40 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.14 0.00 | 33.15 1.24 0.00 | 33.66 1.31 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.16 0.00 | 56.74 2.15 0.00 | 52.24 2.01 0.00 | 68.25 2.73 0.00 | 75.84 3.14 0.00 | 62.02 2.48 0.00 | 61.90 2.51 0.00 | 44.15 1.69 0.00 | 42.11 1.52 0.00 | 46.83 1.47 0.00 | 43.20 1.27 0.00 |
| FENNER___WINDPWR 24204 | 34.84 0.38 0.00 | 34.44 0.40 0.00 | 34.34 0.37 0.00 | 36.63 0.40 0.00 | 33.82 0.38 0.00 | 33.14 0.41 0.00 | 33.71 0.45 0.00 | 44.34 0.56 0.00 | 31.89 0.45 0.00 | 32.39 0.47 0.00 | 32.87 0.52 0.00 | 35.24 0.57 0.00 | 49.21 0.77 0.00 | 52.09 0.89 0.00 | 55.66 1.07 0.00 | 51.24 1.02 0.00 | 66.78 1.27 0.00 | 74.03 1.33 0.00 | 60.62 1.07 0.00 | 60.38 1.00 0.00 | 43.15 0.69 0.00 | 41.16 0.57 0.00 | 45.92 0.56 0.00 | 42.38 0.45 0.00 |
| FIBERTEK___ENERGY 23856 | 33.97 -0.50 0.00 | 33.51 -0.53 0.00 | 33.42 -0.55 0.00 | 35.65 -0.58 0.00 | 32.87 -0.57 0.00 | 32.19 -0.55 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.95 -0.50 0.00 | 31.44 -0.48 0.00 | 31.87 -0.48 0.00 | 34.15 -0.52 0.00 | 47.73 -0.71 0.00 | 50.47 -0.74 0.00 | 53.92 -0.66 0.00 | 49.60 -0.63 0.00 | 64.62 -0.89 0.00 | 71.73 -0.97 0.00 | 58.73 -0.81 0.00 | 58.54 -0.85 0.00 | 41.86 -0.60 0.00 | 39.94 -0.65 0.00 | 44.61 -0.74 0.00 | 41.19 -0.73 0.00 |
| FITZPATRICK___ 23598 | 33.21 -1.26 0.00 | 32.77 -1.27 0.00 | 32.67 -1.29 0.00 | 34.85 -1.38 0.00 | 32.16 -1.27 0.00 | 31.49 -1.25 0.00 | 31.97 -1.29 0.00 | 42.02 -1.75 0.00 | 30.24 -1.21 0.00 | 30.70 -1.21 0.00 | 31.13 -1.22 0.00 | 33.32 -1.34 0.00 | 46.57 -1.87 0.00 | 49.23 -1.98 0.00 | 52.52 -2.06 0.00 | 48.33 -1.90 0.00 | 62.95 -2.57 0.00 | 69.85 -2.84 0.00 | 57.21 -2.34 0.00 | 57.04 -2.35 0.00 | 40.81 -1.64 0.00 | 38.97 -1.62 0.00 | 43.55 -1.81 0.00 | 40.24 -1.68 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 35.61 1.14 0.00 | 35.13 1.09 0.00 | 35.00 1.03 0.00 | 37.33 1.10 0.00 | 34.47 1.03 0.00 | 33.78 1.04 0.00 | 34.37 1.11 0.00 | 45.25 1.47 0.00 | 32.57 1.12 0.00 | 33.09 1.17 0.00 | 33.58 1.23 0.00 | 36.12 1.45 0.00 | 50.60 2.16 0.00 | 53.40 2.19 0.00 | 56.82 2.24 0.00 | 52.27 2.04 0.00 | 68.40 2.88 0.00 | 75.96 3.26 0.00 | 62.08 2.53 0.00 | 61.90 2.52 0.00 | 44.17 1.71 0.00 | 42.10 1.51 0.00 | 46.84 1.49 0.00 | 43.19 1.27 0.00 |
| FORT ORANGE___ 23900 | 34.66 0.20 0.00 | 34.33 0.29 0.00 | 34.33 0.36 0.00 | 36.62 0.39 0.00 | 33.92 0.48 0.00 | 33.21 0.48 0.00 | 33.70 0.44 0.00 | 44.30 0.52 0.00 | 31.84 0.40 0.00 | 32.32 0.41 0.00 | 32.68 0.33 0.00 | 34.98 0.32 0.00 | 48.83 0.39 0.00 | 51.86 0.65 0.00 | 55.42 0.84 0.00 | 50.79 0.57 0.00 | 66.39 0.88 0.00 | 73.44 0.74 0.00 | 60.00 0.45 0.00 | 59.81 0.42 0.00 | 42.80 0.34 0.00 | 40.86 0.27 0.00 | 45.56 0.20 0.00 | 42.07 0.15 0.00 |
| FORT_DRUM_COGEN 23780 | 35.27 0.80 0.00 | 34.74 0.71 0.00 | 34.60 0.64 0.00 | 36.91 0.68 0.00 | 34.12 0.68 0.00 | 33.38 0.64 0.00 | 33.98 0.73 0.00 | 44.82 1.05 0.00 | 32.36 0.92 0.00 | 32.91 1.00 0.00 | 33.44 1.09 0.00 | 35.93 1.26 0.00 | 50.28 1.84 0.00 | 53.05 1.85 0.00 | 56.56 1.98 0.00 | 52.47 2.24 0.00 | 68.71 3.20 0.00 | 76.44 3.74 0.00 | 62.37 2.82 0.00 | 61.98 2.60 0.00 | 44.22 1.76 0.00 | 42.11 1.52 0.00 | 46.88 1.52 0.00 | 43.13 1.21 0.00 |
| FOX_HILLS___ESR 323835 | 35.75 1.28 0.00 | 35.29 1.25 0.00 | 35.28 1.31 0.00 | 37.65 1.42 0.00 | 34.74 1.30 0.00 | 34.05 1.32 0.00 | 34.66 1.40 0.00 | 45.63 1.86 0.00 | 32.82 1.38 0.00 | 33.39 1.47 0.00 | 33.91 1.56 0.00 | 36.46 1.79 0.00 | 51.04 2.60 0.00 | 53.75 2.54 0.00 | 57.15 2.57 0.00 | 52.70 2.47 0.00 | 68.81 3.29 -0.01 | 76.28 3.58 0.00 | 62.20 2.66 0.00 | 62.08 2.69 0.00 | 44.30 1.84 0.00 | 42.22 1.63 0.00 | 46.96 1.61 0.00 | 43.30 1.38 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 36.10 1.63 0.00 | 35.54 1.50 0.00 | 35.35 1.39 0.00 | 37.68 1.45 0.00 | 34.81 1.37 0.00 | 34.12 1.38 0.00 | 34.63 1.37 0.00 | 45.39 1.61 0.00 | 32.67 1.23 0.00 | 33.24 1.33 0.00 | 34.15 1.80 0.00 | 56.66 2.08 -19.91 | 55.86 3.00 -4.41 | 55.56 2.93 -1.42 | 57.48 2.89 0.00 | 52.93 2.70 0.00 | 73.78 3.65 -4.61 | 102.67 4.25 -25.73 | 65.32 3.28 -2.48 | 62.61 3.23 0.00 | 44.64 2.18 0.00 | 42.63 2.04 0.00 | 47.31 1.95 0.00 | 43.64 1.71 0.00 |
| FPL_FAR_ROCK_GT2 23815 | 36.10 1.63 0.00 | 35.54 1.50 0.00 | 35.35 1.39 0.00 | 37.68 1.45 0.00 | 34.81 1.37 0.00 | 34.12 1.38 0.00 | 34.63 1.37 0.00 | 45.39 1.61 0.00 | 32.67 1.23 0.00 | 33.24 1.33 0.00 | 34.15 1.80 0.00 | 56.66 2.08 -19.91 | 55.86 3.00 -4.41 | 55.56 2.93 -1.42 | 57.48 2.89 0.00 | 52.93 2.70 0.00 | 73.78 3.65 -4.61 | 102.67 4.25 -25.73 | 65.32 3.28 -2.48 | 62.61 3.23 0.00 | 44.64 2.18 0.00 | 42.63 2.04 0.00 | 47.31 1.95 0.00 | 43.64 1.71 0.00 |
| FRANKLIN_FALL_HYD 24054 | 35.75 1.28 0.00 | 35.29 1.25 0.00 | 35.20 1.24 0.00 | 37.52 1.29 0.00 | 34.56 1.12 0.00 | 33.80 1.07 0.00 | 34.38 1.12 0.00 | 45.50 1.72 0.00 | 32.63 1.18 0.00 | 32.99 1.07 0.00 | 33.41 1.07 0.00 | 35.77 1.11 0.00 | 49.84 1.40 0.00 | 52.59 1.39 0.00 | 56.06 1.47 0.00 | 51.83 1.60 0.00 | 67.76 2.25 0.00 | 75.50 2.81 0.00 | 62.05 2.50 0.00 | 61.82 2.43 0.00 | 44.10 1.64 0.00 | 42.29 1.70 0.00 | 47.46 2.11 0.00 | 43.93 2.01 0.00 |

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| FREEMONT___GT1 23764 | 35.91 1.45 0.00 | 35.34 1.30 0.00 | 35.16 1.19 0.00 | 37.47 1.24 0.00 | 34.62 1.18 0.00 | 33.93 1.20 0.00 | 34.43 1.17 0.00 | 45.11 1.34 0.00 | 32.47 1.03 0.00 | 33.01 1.10 0.00 | 33.96 1.62 0.00 | 53.31 1.90 -16.75 | 54.96 2.81 -3.71 | 55.10 2.71 -1.19 | 57.19 2.61 0.00 | 52.66 2.43 0.00 | 72.71 3.31 -3.88 | 97.97 3.63 -21.64 | 64.67 3.03 -2.09 | 62.34 2.96 0.00 | 44.41 1.95 0.00 | 42.41 1.82 0.00 | 47.03 1.67 0.00 | 43.35 1.42 0.00 |
| FREEPORT___CT2 23818 | 35.91 1.45 0.00 | 35.34 1.30 0.00 | 35.16 1.19 0.00 | 37.47 1.24 0.00 | 34.62 1.18 0.00 | 33.93 1.20 0.00 | 34.43 1.17 0.00 | 45.11 1.34 0.00 | 32.47 1.03 0.00 | 33.01 1.10 0.00 | 33.96 1.62 0.00 | 53.31 1.90 -16.75 | 54.96 2.81 -3.71 | 55.10 2.71 -1.19 | 57.19 2.61 0.00 | 52.66 2.43 0.00 | 72.71 3.31 -3.88 | 97.97 3.63 -21.64 | 64.67 3.03 -2.09 | 62.34 2.96 0.00 | 44.41 1.95 0.00 | 42.41 1.82 0.00 | 47.03 1.67 0.00 | 43.35 1.42 0.00 |
| FRESHKLS_33_KV_LOAD 356253 | 35.74 1.27 0.00 | 35.35 1.31 0.00 | 35.52 1.55 0.00 | 37.91 1.69 0.00 | 34.98 1.55 0.00 | 34.29 1.55 0.00 | 34.90 1.64 0.00 | 45.95 2.18 0.00 | 33.04 1.60 0.00 | 33.60 1.69 0.00 | 34.13 1.78 0.00 | 36.68 2.02 0.00 | 51.38 2.94 0.00 | 54.08 2.87 0.00 | 57.57 2.98 0.00 | 53.09 2.86 0.00 | 69.33 3.81 -0.01 | 76.69 3.99 0.00 | 62.38 2.83 0.00 | 62.26 2.88 0.00 | 44.42 1.96 0.00 | 42.33 1.73 0.00 | 47.06 1.71 0.00 | 43.36 1.44 0.00 |
| FULTON COGEN____ 23766 | 33.49 -0.98 0.00 | 33.03 -1.01 0.00 | 32.92 -1.05 0.00 | 35.14 -1.09 0.00 | 32.43 -1.02 0.00 | 31.74 -0.99 0.00 | 32.22 -1.04 0.00 | 42.36 -1.41 0.00 | 30.49 -0.95 0.00 | 30.98 -0.93 0.00 | 31.43 -0.92 0.00 | 33.67 -1.00 0.00 | 47.06 -1.38 0.00 | 49.76 -1.44 0.00 | 53.12 -1.46 0.00 | 48.89 -1.34 0.00 | 63.69 -1.83 0.00 | 70.68 -2.01 0.00 | 57.88 -1.67 0.00 | 57.65 -1.73 0.00 | 41.25 -1.21 0.00 | 39.37 -1.22 0.00 | 43.96 -1.39 0.00 | 40.56 -1.37 0.00 |
| FULTON___LFGE 323630 | 35.09 0.62 0.00 | 34.61 0.57 0.00 | 34.50 0.52 0.00 | 36.70 0.48 0.00 | 33.85 0.42 0.00 | 33.14 0.41 0.00 | 33.73 0.47 0.00 | 44.47 0.69 0.00 | 31.96 0.52 0.00 | 32.44 0.53 0.00 | 32.88 0.53 0.00 | 35.21 0.55 0.00 | 49.25 0.80 0.00 | 52.22 1.02 0.00 | 55.62 1.04 0.00 | 51.31 1.08 0.00 | 66.99 1.47 0.00 | 74.38 1.68 0.00 | 60.85 1.31 0.00 | 60.73 1.35 0.00 | 43.58 1.12 0.00 | 41.54 0.95 0.00 | 46.31 0.95 0.00 | 42.72 0.80 0.00 |
| G.F.CEMENT___DRP 24184 | 36.28 1.81 0.00 | 35.92 1.88 0.00 | 35.91 1.94 0.00 | 38.30 2.07 0.00 | 35.45 2.01 0.00 | 34.84 2.10 0.00 | 35.45 2.19 0.00 | 46.63 2.86 0.00 | 33.35 1.90 0.00 | 33.92 2.01 0.00 | 34.36 2.01 0.00 | 36.81 2.14 0.00 | 51.49 3.05 0.00 | 54.80 3.59 0.00 | 58.63 4.05 0.00 | 53.40 3.18 0.00 | 70.07 4.56 0.00 | 77.27 4.58 0.00 | 62.86 3.31 0.00 | 62.64 3.26 0.00 | 44.94 2.49 0.00 | 42.90 2.31 0.00 | 47.97 2.61 0.00 | 44.11 2.18 0.00 |
| GARDENVILLE___LBMP 24039 | 33.52 -0.95 0.00 | 33.13 -0.91 0.00 | 33.00 -0.97 0.00 | 35.43 -0.79 0.00 | 32.37 -1.07 0.00 | 31.66 -1.08 0.00 | 32.01 -1.25 0.00 | 41.89 -1.89 0.00 | 29.61 -1.84 0.00 | 30.12 -1.79 0.00 | 30.65 -1.70 0.00 | 32.89 -1.78 0.00 | 45.67 -2.77 0.00 | 48.14 -3.07 0.00 | 51.85 -2.73 0.00 | 47.82 -2.40 0.00 | 61.28 -4.23 0.00 | 68.25 -4.45 0.00 | 56.18 -3.37 0.00 | 55.68 -3.70 0.00 | 40.31 -2.15 0.00 | 38.48 -2.11 0.00 | 43.62 -1.73 0.00 | 40.76 -1.16 0.00 |
| GARDNVLA_35_KV_LD 355827 | 33.69 -0.78 0.00 | 33.30 -0.74 0.00 | 33.17 -0.80 0.00 | 35.62 -0.60 0.00 | 32.55 -0.89 0.00 | 31.82 -0.91 0.00 | 32.21 -1.05 0.00 | 42.15 -1.63 0.00 | 29.79 -1.65 0.00 | 30.31 -1.60 0.00 | 30.85 -1.50 0.00 | 33.12 -1.54 0.00 | 46.02 -2.42 0.00 | 48.52 -2.69 0.00 | 52.21 -2.38 0.00 | 48.14 -2.09 0.00 | 61.73 -3.78 0.00 | 68.79 -3.91 0.00 | 56.58 -2.97 0.00 | 56.06 -3.32 0.00 | 40.57 -1.89 0.00 | 38.70 -1.89 0.00 | 43.86 -1.49 0.00 | 40.95 -0.97 0.00 |
| GELCKHM___115KV_LOAD 80723 | 33.77 -0.70 0.00 | 33.31 -0.72 0.00 | 33.22 -0.75 0.00 | 35.43 -0.79 0.00 | 32.69 -0.75 0.00 | 32.02 -0.72 0.00 | 32.52 -0.74 0.00 | 42.75 -1.03 0.00 | 30.75 -0.70 0.00 | 31.23 -0.68 0.00 | 31.66 -0.68 0.00 | 33.93 -0.73 0.00 | 47.42 -1.02 0.00 | 50.14 -1.07 0.00 | 53.54 -1.05 0.00 | 49.27 -0.96 0.00 | 64.15 -1.36 0.00 | 71.21 -1.49 0.00 | 58.31 -1.24 0.00 | 58.12 -1.26 0.00 | 41.57 -0.89 0.00 | 39.67 -0.92 0.00 | 44.33 -1.03 0.00 | 40.95 -0.98 0.00 |
| GENERAL___MILLS 23808 | 33.60 -0.87 0.00 | 33.22 -0.82 0.00 | 33.08 -0.89 0.00 | 35.53 -0.70 0.00 | 32.47 -0.97 0.00 | 31.75 -0.98 0.00 | 32.12 -1.14 0.00 | 42.04 -1.73 0.00 | 29.71 -1.74 0.00 | 30.22 -1.70 0.00 | 30.74 -1.61 0.00 | 33.00 -1.67 0.00 | 45.84 -2.59 0.00 | 48.33 -2.88 0.00 | 51.98 -2.60 0.00 | 47.92 -2.30 0.00 | 61.45 -4.07 0.00 | 68.43 -4.26 0.00 | 56.32 -3.22 0.00 | 55.81 -3.58 0.00 | 40.40 -2.06 0.00 | 38.57 -2.02 0.00 | 43.71 -1.64 0.00 | 40.83 -1.09 0.00 |
| GE_PLASTICS___DRP 24183 | 34.62 0.15 0.00 | 34.26 0.22 0.00 | 34.25 0.28 0.00 | 36.54 0.31 0.00 | 33.81 0.37 0.00 | 33.11 0.37 0.00 | 33.60 0.34 0.00 | 44.16 0.38 0.00 | 31.74 0.29 0.00 | 32.21 0.29 0.00 | 32.60 0.25 0.00 | 34.93 0.26 0.00 | 48.80 0.36 0.00 | 51.73 0.52 0.00 | 55.21 0.62 0.00 | 50.61 0.38 0.00 | 66.12 0.60 0.00 | 73.18 0.49 0.00 | 59.81 0.26 0.00 | 59.66 0.28 0.00 | 42.70 0.24 0.00 | 40.77 0.18 0.00 | 45.47 0.11 0.00 | 42.00 0.08 0.00 |
| GILBOA___1 23756 | 34.75 0.29 0.00 | 34.34 0.30 0.00 | 34.38 0.41 0.00 | 36.67 0.45 0.00 | 33.88 0.44 0.00 | 33.15 0.41 0.00 | 33.60 0.34 0.00 | 44.19 0.42 0.00 | 31.75 0.31 0.00 | 32.25 0.34 0.00 | 32.70 0.36 0.00 | 35.08 0.41 0.00 | 49.05 0.61 0.00 | 51.87 0.66 0.00 | 55.18 0.60 0.00 | 50.65 0.43 0.00 | 66.06 0.55 0.00 | 73.23 0.53 0.00 | 59.96 0.41 0.00 | 59.96 0.58 0.00 | 42.89 0.43 0.00 | 40.95 0.36 0.00 | 45.66 0.31 0.00 | 42.17 0.24 0.00 |
| GILBOA___2 23757 | 34.75 0.29 0.00 | 34.34 0.30 0.00 | 34.38 0.41 0.00 | 36.67 0.45 0.00 | 33.88 0.44 0.00 | 33.15 0.41 0.00 | 33.60 0.34 0.00 | 44.19 0.42 0.00 | 31.75 0.31 0.00 | 32.25 0.34 0.00 | 32.70 0.36 0.00 | 35.08 0.41 0.00 | 49.05 0.61 0.00 | 51.87 0.66 0.00 | 55.18 0.60 0.00 | 50.65 0.43 0.00 | 66.06 0.55 0.00 | 73.23 0.53 0.00 | 59.96 0.41 0.00 | 59.96 0.58 0.00 | 42.89 0.43 0.00 | 40.95 0.36 0.00 | 45.66 0.31 0.00 | 42.17 0.24 0.00 |
| GILBOA___3 23758 | 34.75 0.29 0.00 | 34.34 0.30 0.00 | 34.38 0.41 0.00 | 36.67 0.45 0.00 | 33.88 0.44 0.00 | 33.15 0.41 0.00 | 33.60 0.34 0.00 | 44.19 0.42 0.00 | 31.75 0.31 0.00 | 32.25 0.34 0.00 | 32.70 0.36 0.00 | 35.08 0.41 0.00 | 49.05 0.61 0.00 | 51.87 0.66 0.00 | 55.18 0.60 0.00 | 50.65 0.43 0.00 | 66.06 0.55 0.00 | 73.23 0.53 0.00 | 59.96 0.41 0.00 | 59.96 0.58 0.00 | 42.89 0.43 0.00 | 40.95 0.36 0.00 | 45.66 0.31 0.00 | 42.17 0.24 0.00 |
| GILBOA___4 23759 | 34.75 0.29 0.00 | 34.34 0.30 0.00 | 34.38 0.41 0.00 | 36.67 0.45 0.00 | 33.88 0.44 0.00 | 33.15 0.41 0.00 | 33.60 0.34 0.00 | 44.19 0.42 0.00 | 31.75 0.31 0.00 | 32.25 0.34 0.00 | 32.70 0.36 0.00 | 35.08 0.41 0.00 | 49.05 0.61 0.00 | 51.87 0.66 0.00 | 55.18 0.60 0.00 | 50.65 0.43 0.00 | 66.06 0.55 0.00 | 73.23 0.53 0.00 | 59.96 0.41 0.00 | 59.96 0.58 0.00 | 42.89 0.43 0.00 | 40.95 0.36 0.00 | 45.66 0.31 0.00 | 42.17 0.24 0.00 |

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| GILBOA____ 23599 | 34.76 0.29 0.00 | 34.35 0.31 0.00 | 34.38 0.41 0.00 | 36.67 0.45 0.00 | 33.88 0.44 0.00 | 33.15 0.41 0.00 | 33.60 0.34 0.00 | 44.19 0.42 0.00 | 31.75 0.31 0.00 | 32.25 0.34 0.00 | 32.70 0.35 0.00 | 35.08 0.41 0.00 | 49.05 0.61 0.00 | 51.87 0.66 0.00 | 55.18 0.60 0.00 | 50.66 0.43 0.00 | 66.07 0.55 0.00 | 73.23 0.53 0.00 | 59.96 0.41 0.00 | 59.96 0.58 0.00 | 42.89 0.43 0.00 | 40.95 0.36 0.00 | 45.66 0.31 0.00 | 42.17 0.24 0.00 |
| GINNA____ 23603 | 32.25 -2.22 0.00 | 31.87 -2.17 0.00 | 31.76 -2.21 0.00 | 33.96 -2.27 0.00 | 31.24 -2.19 0.00 | 30.62 -2.12 0.00 | 31.08 -2.18 0.00 | 40.83 -2.95 0.00 | 29.16 -2.29 0.00 | 29.67 -2.25 0.00 | 30.13 -2.22 0.00 | 32.32 -2.35 0.00 | 45.14 -3.30 0.00 | 47.69 -3.52 0.00 | 50.97 -3.61 0.00 | 47.00 -3.22 0.00 | 60.86 -4.66 0.00 | 67.69 -5.01 0.00 | 55.41 -4.14 0.00 | 55.06 -4.32 0.00 | 39.53 -2.93 0.00 | 37.70 -2.89 0.00 | 42.28 -3.07 0.00 | 39.24 -2.69 0.00 |
| GLEN PARK____ 23778 | 35.31 0.84 0.00 | 34.77 0.73 0.00 | 34.64 0.67 0.00 | 36.94 0.72 0.00 | 34.14 0.71 0.00 | 33.42 0.68 0.00 | 34.03 0.77 0.00 | 44.90 1.13 0.00 | 32.43 0.98 0.00 | 33.00 1.09 0.00 | 33.54 1.19 0.00 | 36.03 1.36 0.00 | 50.42 1.98 0.00 | 53.22 2.01 0.00 | 56.73 2.14 0.00 | 52.63 2.41 0.00 | 68.94 3.43 0.00 | 76.73 4.03 0.00 | 62.59 3.04 0.00 | 62.20 2.81 0.00 | 44.36 1.91 0.00 | 42.22 1.63 0.00 | 46.96 1.61 0.00 | 43.20 1.27 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 35.84 1.38 0.00 | 35.34 1.30 0.00 | 35.16 1.19 0.00 | 37.50 1.28 0.00 | 34.62 1.18 0.00 | 33.93 1.20 0.00 | 34.54 1.27 0.00 | 45.45 1.68 0.00 | 32.72 1.27 0.00 | 33.29 1.38 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.89 2.45 0.00 | 53.57 2.37 0.00 | 56.91 2.33 0.00 | 52.44 2.21 0.00 | 68.42 2.91 0.00 | 76.04 3.35 0.00 | 62.17 2.62 0.00 | 62.06 2.67 0.00 | 44.31 1.85 0.00 | 42.28 1.68 0.00 | 47.01 1.65 0.00 | 43.38 1.46 0.00 |
| GLENWOOD_IC_1_G5 23712 | 35.77 1.30 0.00 | 35.23 1.19 0.00 | 35.07 1.10 0.00 | 37.39 1.17 0.00 | 34.53 1.09 0.00 | 33.84 1.11 0.00 | 34.38 1.12 0.00 | 45.15 1.37 0.00 | 32.51 1.06 0.00 | 33.07 1.16 0.00 | 33.80 1.46 0.00 | 57.73 1.69 -21.37 | 55.66 2.48 -4.74 | 55.11 2.38 -1.52 | 56.92 2.34 0.00 | 52.40 2.17 0.00 | 73.44 2.97 -4.95 | 103.71 3.41 -27.61 | 64.87 2.66 -2.67 | 62.02 2.63 0.00 | 44.23 1.77 0.00 | 42.21 1.62 0.00 | 46.88 1.53 0.00 | 43.23 1.31 0.00 |
| GLENWOOD_IC_2_G1 23688 | 35.63 1.16 0.00 | 35.11 1.07 0.00 | 34.96 0.99 0.00 | 37.26 1.03 0.00 | 34.41 0.97 0.00 | 33.73 0.99 0.00 | 34.28 1.02 0.00 | 45.05 1.28 0.00 | 32.43 0.99 0.00 | 32.98 1.07 0.00 | 33.65 1.30 0.00 | 37.09 1.52 -0.91 | 50.87 2.23 -0.20 | 53.40 2.13 -0.06 | 56.68 2.09 0.00 | 52.16 1.94 0.00 | 68.40 2.68 -0.21 | 76.94 3.06 -1.18 | 62.03 2.36 -0.11 | 61.74 2.36 0.00 | 44.03 1.58 0.00 | 42.03 1.44 0.00 | 46.71 1.35 0.00 | 43.08 1.16 0.00 |
| GLENWOOD_IC_3_G1 23689 | 35.63 1.16 0.00 | 35.11 1.07 0.00 | 34.96 0.99 0.00 | 37.26 1.03 0.00 | 34.41 0.97 0.00 | 33.73 0.99 0.00 | 34.28 1.02 0.00 | 45.05 1.28 0.00 | 32.43 0.99 0.00 | 32.98 1.07 0.00 | 33.65 1.30 0.00 | 37.09 1.52 -0.91 | 50.87 2.23 -0.20 | 53.40 2.13 -0.06 | 56.68 2.09 0.00 | 52.16 1.94 0.00 | 68.40 2.68 -0.21 | 76.94 3.06 -1.18 | 62.03 2.36 -0.11 | 61.74 2.36 0.00 | 44.03 1.58 0.00 | 42.03 1.44 0.00 | 46.71 1.35 0.00 | 43.08 1.16 0.00 |
| GLENWOOD____4 23550 | 35.77 1.30 0.00 | 35.23 1.19 0.00 | 35.07 1.10 0.00 | 37.39 1.17 0.00 | 34.53 1.09 0.00 | 33.84 1.11 0.00 | 34.38 1.12 0.00 | 45.15 1.37 0.00 | 32.51 1.06 0.00 | 33.07 1.16 0.00 | 33.80 1.46 0.00 | 57.73 1.69 -21.37 | 55.66 2.48 -4.74 | 55.11 2.38 -1.52 | 56.92 2.34 0.00 | 52.40 2.17 0.00 | 73.44 2.97 -4.95 | 103.71 3.41 -27.61 | 64.87 2.66 -2.67 | 62.02 2.63 0.00 | 44.23 1.77 0.00 | 42.21 1.62 0.00 | 46.88 1.53 0.00 | 43.23 1.31 0.00 |
| GLENWOOD____5 23614 | 35.77 1.30 0.00 | 35.23 1.19 0.00 | 35.07 1.10 0.00 | 37.39 1.17 0.00 | 34.53 1.09 0.00 | 33.84 1.11 0.00 | 34.38 1.12 0.00 | 45.15 1.37 0.00 | 32.51 1.06 0.00 | 33.07 1.16 0.00 | 33.80 1.46 0.00 | 57.73 1.69 -21.37 | 55.66 2.48 -4.74 | 55.11 2.38 -1.52 | 56.92 2.34 0.00 | 52.40 2.17 0.00 | 73.44 2.97 -4.95 | 103.71 3.41 -27.61 | 64.87 2.66 -2.67 | 62.02 2.63 0.00 | 44.23 1.77 0.00 | 42.21 1.62 0.00 | 46.88 1.53 0.00 | 43.23 1.31 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 36.94 2.47 0.00 | 36.18 2.14 0.00 | 35.90 1.93 0.00 | 38.06 1.84 0.00 | 35.20 1.76 0.00 | 34.66 1.93 0.00 | 34.90 1.63 0.00 | 45.51 1.74 0.00 | 33.06 1.62 0.00 | 33.83 1.61 -0.31 | 34.39 2.05 0.00 | 49.00 2.12 -12.22 | 54.25 3.10 -2.71 | 54.59 2.51 -0.87 | 57.74 2.20 -0.96 | 59.80 1.89 -7.69 | 82.42 2.77 -14.13 | 103.72 3.34 -27.69 | 73.23 2.30 -11.38 | 69.59 2.42 -7.79 | 43.74 1.28 -0.01 | 41.89 1.30 0.00 | 46.98 1.63 0.00 | 43.26 1.34 0.00 |
| GLOBE____DSASP 323697 | 33.02 -1.45 0.00 | 32.70 -1.34 0.00 | 32.61 -1.36 0.00 | 35.01 -1.21 0.00 | 32.02 -1.42 0.00 | 31.28 -1.45 0.00 | 31.65 -1.61 0.00 | 41.38 -2.39 0.00 | 29.13 -2.32 0.00 | 29.61 -2.30 0.00 | 30.12 -2.22 0.00 | 32.31 -2.36 0.00 | 44.91 -3.53 0.00 | 47.31 -3.89 0.00 | 50.70 -3.88 0.00 | 46.84 -3.39 0.00 | 59.90 -5.62 0.00 | 66.20 -6.50 0.00 | 54.43 -5.12 0.00 | 53.88 -5.50 0.00 | 39.05 -3.40 0.00 | 37.36 -3.23 0.00 | 42.45 -2.91 0.00 | 39.75 -2.17 0.00 |
| GOETHSLN____LBMP 323567 | 35.57 1.11 0.00 | 35.08 1.04 0.00 | 34.86 0.90 0.00 | 37.18 0.95 0.00 | 34.31 0.88 0.00 | 33.64 0.90 0.00 | 34.25 0.99 0.00 | 45.07 1.30 0.00 | 32.45 1.00 0.00 | 33.00 1.09 0.00 | 33.51 1.16 0.00 | 36.04 1.38 0.00 | 50.44 2.01 0.00 | 53.11 1.91 0.00 | 56.47 1.89 0.00 | 52.02 1.80 0.00 | 67.98 2.46 0.00 | 75.57 2.88 0.00 | 61.83 2.28 0.00 | 61.68 2.29 0.00 | 44.01 1.55 0.00 | 41.96 1.37 0.00 | 46.66 1.31 0.00 | 43.05 1.13 0.00 |
| GOLAH____69_KV_TB 1_2 80279 | 34.09 -0.38 0.00 | 33.68 -0.36 0.00 | 33.57 -0.40 0.00 | 35.96 -0.27 0.00 | 33.05 -0.39 0.00 | 32.30 -0.43 0.00 | 32.77 -0.50 0.00 | 43.02 -0.76 0.00 | 30.56 -0.89 0.00 | 31.10 -0.81 0.00 | 31.60 -0.75 0.00 | 33.92 -0.75 0.00 | 47.30 -1.14 0.00 | 49.94 -1.27 0.00 | 53.45 -1.13 0.00 | 49.31 -0.91 0.00 | 63.65 -1.87 0.00 | 70.85 -1.85 0.00 | 58.08 -1.47 0.00 | 57.66 -1.72 0.00 | 41.49 -0.97 0.00 | 39.57 -1.02 0.00 | 44.54 -0.82 0.00 | 41.45 -0.48 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 35.01 0.54 0.00 | 34.51 0.47 0.00 | 34.41 0.45 0.00 | 36.69 0.47 0.00 | 33.80 0.36 0.00 | 33.08 0.34 0.00 | 33.58 0.32 0.00 | 44.20 0.43 0.00 | 31.82 0.37 0.00 | 32.36 0.44 0.00 | 32.85 0.50 0.00 | 35.20 0.53 0.00 | 49.25 0.81 0.00 | 51.91 0.71 0.00 | 55.30 0.71 0.00 | 50.91 0.69 0.00 | 66.39 0.88 0.00 | 73.91 1.21 0.00 | 60.65 1.10 0.00 | 60.54 1.15 0.00 | 43.33 0.87 0.00 | 41.31 0.72 0.00 | 46.06 0.71 0.00 | 42.53 0.61 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 34.21 -0.25 0.00 | 33.75 -0.29 0.00 | 33.67 -0.30 0.00 | 35.98 -0.25 0.00 | 33.13 -0.30 0.00 | 32.43 -0.31 0.00 | 32.93 -0.33 0.00 | 43.27 -0.50 0.00 | 31.10 -0.35 0.00 | 31.60 -0.31 0.00 | 32.04 -0.30 0.00 | 34.40 -0.27 0.00 | 48.05 -0.39 0.00 | 50.68 -0.52 0.00 | 54.20 -0.38 0.00 | 49.81 -0.42 0.00 | 64.80 -0.72 0.00 | 72.00 -0.70 0.00 | 59.13 -0.42 0.00 | 58.96 -0.42 0.00 | 42.22 -0.23 0.00 | 40.24 -0.35 0.00 | 45.01 -0.34 0.00 | 41.59 -0.33 0.00 |

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| GOUDEY___7 23579 | 34.21 -0.25 0.00 | 33.75 -0.29 0.00 | 33.67 -0.30 0.00 | 35.98 -0.25 0.00 | 33.13 -0.30 0.00 | 32.43 -0.31 0.00 | 32.93 -0.33 0.00 | 43.27 -0.50 0.00 | 31.10 -0.35 0.00 | 31.60 -0.31 0.00 | 32.04 -0.30 0.00 | 34.40 -0.27 0.00 | 48.05 -0.39 0.00 | 50.68 -0.52 0.00 | 54.20 -0.38 0.00 | 49.81 -0.42 0.00 | 64.80 -0.72 0.00 | 72.00 -0.70 0.00 | 59.13 -0.42 0.00 | 58.96 -0.42 0.00 | 42.22 -0.23 0.00 | 40.24 -0.35 0.00 | 45.01 -0.34 0.00 | 41.59 -0.33 0.00 |
| GOUDEY___8 23580 | 34.21 -0.25 0.00 | 33.75 -0.29 0.00 | 33.67 -0.30 0.00 | 35.98 -0.25 0.00 | 33.13 -0.30 0.00 | 32.43 -0.31 0.00 | 32.93 -0.33 0.00 | 43.27 -0.50 0.00 | 31.10 -0.35 0.00 | 31.60 -0.31 0.00 | 32.04 -0.30 0.00 | 34.40 -0.27 0.00 | 48.05 -0.39 0.00 | 50.68 -0.52 0.00 | 54.20 -0.38 0.00 | 49.81 -0.42 0.00 | 64.80 -0.72 0.00 | 72.00 -0.70 0.00 | 59.13 -0.42 0.00 | 58.96 -0.42 0.00 | 42.22 -0.23 0.00 | 40.24 -0.35 0.00 | 45.01 -0.34 0.00 | 41.59 -0.33 0.00 |
| GOWANUS_GT1_1 24077 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT1_2 24078 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT1_3 24079 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT1_4 24080 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT1_5 24084 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT1_6 24111 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT1_7 24112 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT1_8 24113 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT2_1 24114 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT2_2 24115 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT2_3 24116 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT2_4 24117 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT2_5 24118 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |

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|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| GOWANUS_GT2_6 24119 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT2_7 24120 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT2_8 24121 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_1 24122 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_2 24123 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_3 24124 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_4 24125 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_5 24126 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_6 24127 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_7 24128 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT3_8 24129 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT4_1 24130 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT4_2 24131 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT4_3 24132 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT4_4 24133 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |

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| GOWANUS_GT4_5 24134 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT4_6 24135 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT4_7 24136 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GOWANUS_GT4_8 24137 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GREATVRV_69_KV_BK1 356245 | 36.40 1.93 0.00 | 35.78 1.74 0.00 | 35.60 1.63 0.00 | 37.91 1.68 0.00 | 35.05 1.61 0.00 | 34.35 1.61 0.00 | 34.84 1.58 0.00 | 45.55 1.78 0.00 | 32.80 1.36 0.00 | 33.55 1.41 -0.23 | 34.41 2.06 0.00 | 49.82 2.39 -12.77 | 54.87 3.60 -2.83 | 55.53 3.41 -0.91 | 58.66 3.37 -0.71 | 59.13 3.23 -5.68 | 81.17 4.35 -11.31 | 103.04 5.05 -25.29 | 72.40 3.98 -8.87 | 69.05 3.92 -5.75 | 44.99 2.52 -0.01 | 42.90 2.31 0.00 | 47.49 2.14 0.00 | 43.76 1.83 0.00 |
| GREENBSH_115KV_TB3 55895 | 34.51 0.05 0.00 | 34.19 0.15 0.00 | 34.20 0.23 0.00 | 36.46 0.24 0.00 | 33.78 0.34 0.00 | 33.07 0.34 0.00 | 33.56 0.30 0.00 | 44.08 0.31 0.00 | 31.68 0.23 0.00 | 32.14 0.22 0.00 | 32.52 0.17 0.00 | 34.83 0.16 0.00 | 48.65 0.21 0.00 | 51.63 0.43 0.00 | 55.14 0.55 0.00 | 50.50 0.27 0.00 | 66.01 0.49 0.00 | 72.99 0.29 0.00 | 59.63 0.08 0.00 | 59.45 0.07 0.00 | 42.56 0.10 0.00 | 40.65 0.05 0.00 | 45.34 -0.02 0.00 | 41.88 -0.05 0.00 |
| GREENDGE_115KV_TB5 80291 | 33.98 -0.49 0.00 | 33.44 -0.60 0.00 | 33.31 -0.66 0.00 | 35.75 -0.47 0.00 | 32.73 -0.71 0.00 | 32.04 -0.70 0.00 | 32.52 -0.75 0.00 | 42.24 -1.53 0.00 | 30.64 -0.81 0.00 | 31.12 -0.80 0.00 | 31.65 -0.70 0.00 | 33.99 -0.67 0.00 | 47.07 -1.37 0.00 | 49.21 -2.00 0.00 | 53.20 -1.39 0.00 | 48.82 -1.40 0.00 | 63.04 -2.48 0.00 | 69.86 -2.83 0.00 | 58.04 -1.52 0.00 | 57.65 -1.74 0.00 | 41.51 -0.95 0.00 | 39.49 -1.10 0.00 | 44.72 -0.63 0.00 | 41.42 -0.51 0.00 |
| GREENIDGE___3 23582 | 33.98 -0.49 0.00 | 33.44 -0.60 0.00 | 33.31 -0.66 0.00 | 35.75 -0.47 0.00 | 32.73 -0.71 0.00 | 32.04 -0.70 0.00 | 32.52 -0.75 0.00 | 42.24 -1.53 0.00 | 30.64 -0.81 0.00 | 31.12 -0.80 0.00 | 31.65 -0.70 0.00 | 33.99 -0.67 0.00 | 47.07 -1.37 0.00 | 49.21 -2.00 0.00 | 53.20 -1.39 0.00 | 48.82 -1.40 0.00 | 63.04 -2.48 0.00 | 69.86 -2.83 0.00 | 58.04 -1.52 0.00 | 57.65 -1.74 0.00 | 41.51 -0.95 0.00 | 39.49 -1.10 0.00 | 44.72 -0.63 0.00 | 41.42 -0.51 0.00 |
| GREENIDGE___4 23583 | 33.97 -0.49 0.00 | 33.44 -0.60 0.00 | 33.31 -0.66 0.00 | 35.76 -0.47 0.00 | 32.73 -0.71 0.00 | 32.04 -0.69 0.00 | 32.52 -0.75 0.00 | 42.24 -1.53 0.00 | 30.64 -0.81 0.00 | 31.12 -0.80 0.00 | 31.65 -0.70 0.00 | 33.99 -0.68 0.00 | 47.10 -1.34 0.00 | 49.20 -2.00 0.00 | 53.20 -1.38 0.00 | 48.83 -1.40 0.00 | 63.04 -2.47 0.00 | 69.86 -2.83 0.00 | 58.05 -1.50 0.00 | 57.65 -1.74 0.00 | 41.48 -0.98 0.00 | 39.48 -1.11 0.00 | 44.73 -0.63 0.00 | 41.42 -0.51 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 35.66 1.19 0.00 | 35.07 1.04 0.00 | 34.91 0.94 0.00 | 37.19 0.97 0.00 | 34.37 0.93 0.00 | 33.68 0.94 0.00 | 34.13 0.87 0.00 | 44.63 0.86 0.00 | 32.13 0.68 0.00 | 32.38 0.73 0.00 | 33.74 1.39 0.00 | 48.90 1.64 -12.60 | 53.67 2.44 -2.79 | 54.32 2.22 -0.90 | 55.68 1.93 0.83 | 45.23 1.72 6.71 | 60.96 2.39 6.95 | 81.43 2.85 -5.89 | 54.68 2.16 7.03 | 54.67 2.09 6.80 | 43.80 1.35 0.01 | 41.92 1.33 0.00 | 46.43 1.07 0.00 | 42.84 0.92 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| GRISSOM___SOLAR 323813 | 35.22 0.75 0.00 | 34.77 0.73 0.00 | 34.66 0.69 0.00 | 36.88 0.66 0.00 | 34.05 0.61 0.00 | 33.34 0.61 0.00 | 33.93 0.67 0.00 | 44.72 0.95 0.00 | 32.13 0.69 0.00 | 32.61 0.70 0.00 | 33.04 0.69 0.00 | 35.38 0.72 0.00 | 49.48 1.04 0.00 | 52.49 1.28 0.00 | 55.93 1.35 0.00 | 51.59 1.36 0.00 | 67.37 1.85 0.00 | 74.76 2.06 0.00 | 61.13 1.58 0.00 | 60.98 1.60 0.00 | 43.72 1.26 0.00 | 41.69 1.10 0.00 | 46.47 1.12 0.00 | 42.86 0.94 0.00 |
| GROVEVILLE___HYD 323602 | 35.61 1.14 0.00 | 35.13 1.09 0.00 | 35.00 1.03 0.00 | 37.33 1.10 0.00 | 34.47 1.03 0.00 | 33.78 1.04 0.00 | 34.37 1.11 0.00 | 45.25 1.47 0.00 | 32.57 1.12 0.00 | 33.09 1.17 0.00 | 33.58 1.23 0.00 | 36.12 1.45 0.00 | 50.60 2.16 0.00 | 53.40 2.19 0.00 | 56.82 2.24 0.00 | 52.27 2.04 0.00 | 68.40 2.88 0.00 | 75.96 3.26 0.00 | 62.08 2.53 0.00 | 61.90 2.52 0.00 | 44.17 1.71 0.00 | 42.10 1.51 0.00 | 46.84 1.49 0.00 | 43.19 1.27 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 33.97 -0.50 0.00 | 33.51 -0.53 0.00 | 33.42 -0.55 0.00 | 35.65 -0.58 0.00 | 32.87 -0.57 0.00 | 32.19 -0.55 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.95 -0.50 0.00 | 31.44 -0.48 0.00 | 31.87 -0.48 0.00 | 34.15 -0.52 0.00 | 47.73 -0.71 0.00 | 50.47 -0.74 0.00 | 53.92 -0.66 0.00 | 49.60 -0.63 0.00 | 64.62 -0.89 0.00 | 71.73 -0.97 0.00 | 58.73 -0.81 0.00 | 58.54 -0.85 0.00 | 41.86 -0.60 0.00 | 39.94 -0.65 0.00 | 44.61 -0.74 0.00 | 41.19 -0.73 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 34.01 -0.45 0.00 | 33.56 -0.47 0.00 | 33.46 -0.50 0.00 | 35.68 -0.54 0.00 | 32.90 -0.54 0.00 | 32.25 -0.49 0.00 | 32.78 -0.48 0.00 | 43.08 -0.69 0.00 | 30.98 -0.46 0.00 | 31.46 -0.45 0.00 | 31.88 -0.47 0.00 | 34.14 -0.52 0.00 | 47.79 -0.65 0.00 | 50.51 -0.69 0.00 | 53.98 -0.60 0.00 | 49.68 -0.55 0.00 | 64.69 -0.83 0.00 | 71.84 -0.86 0.00 | 58.79 -0.76 0.00 | 58.58 -0.81 0.00 | 41.89 -0.56 0.00 | 39.99 -0.60 0.00 | 44.70 -0.65 0.00 | 41.32 -0.61 0.00 |

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| HAMPSHIRE___PAPER_HYD 323593 | 35.33 0.86 0.00 | 34.85 0.81 0.00 | 34.76 0.79 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.45 0.71 0.00 | 34.07 0.81 0.00 | 44.98 1.20 0.00 | 32.36 0.91 0.00 | 32.83 0.91 0.00 | 33.31 0.96 0.00 | 35.75 1.08 0.00 | 49.96 1.52 0.00 | 52.71 1.51 0.00 | 56.18 1.60 0.00 | 51.97 1.74 0.00 | 67.99 2.47 0.00 | 75.64 2.95 0.00 | 61.96 2.41 0.00 | 61.65 2.26 0.00 | 43.96 1.51 0.00 | 42.04 1.45 0.00 | 46.98 1.62 0.00 | 43.37 1.45 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 36.09 1.62 0.00 | 35.66 1.62 0.00 | 35.57 1.60 0.00 | 37.70 1.48 0.00 | 34.56 1.12 0.00 | 33.80 1.07 0.00 | 34.36 1.10 0.00 | 45.19 1.41 0.00 | 32.43 0.98 0.00 | 33.03 1.11 0.00 | 33.53 1.18 0.00 | 35.88 1.22 0.00 | 50.13 1.70 0.00 | 53.22 2.01 0.00 | 56.70 2.12 0.00 | 52.02 1.80 0.00 | 67.94 2.42 0.00 | 75.36 2.66 0.00 | 61.65 2.11 0.00 | 61.59 2.20 0.00 | 44.68 2.22 0.00 | 42.65 2.06 0.00 | 47.49 2.14 0.00 | 43.71 1.79 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 35.43 0.97 0.00 | 34.95 0.91 0.00 | 34.82 0.85 0.00 | 37.13 0.90 0.00 | 34.27 0.83 0.00 | 33.58 0.85 0.00 | 34.18 0.92 0.00 | 45.01 1.24 0.00 | 32.38 0.93 0.00 | 32.89 0.98 0.00 | 33.38 1.04 0.00 | 35.92 1.26 0.00 | 50.31 1.87 0.00 | 53.07 1.87 0.00 | 56.44 1.86 0.00 | 52.01 1.78 0.00 | 68.02 2.50 0.00 | 75.56 2.86 0.00 | 61.77 2.23 0.00 | 61.57 2.19 0.00 | 43.92 1.47 0.00 | 41.88 1.29 0.00 | 46.61 1.26 0.00 | 43.01 1.09 0.00 |
| HARSNRAD_115KV_TB1 81005 | 33.29 -1.18 0.00 | 32.95 -1.09 0.00 | 32.83 -1.14 0.00 | 35.24 -0.98 0.00 | 32.26 -1.18 0.00 | 31.53 -1.21 0.00 | 31.88 -1.39 0.00 | 41.68 -2.10 0.00 | 29.36 -2.08 0.00 | 29.88 -2.03 0.00 | 30.41 -1.94 0.00 | 32.62 -2.05 0.00 | 45.33 -3.12 0.00 | 47.82 -3.39 0.00 | 51.31 -3.28 0.00 | 47.38 -2.85 0.00 | 60.65 -4.87 0.00 | 67.43 -5.26 0.00 | 55.52 -4.03 0.00 | 54.96 -4.42 0.00 | 39.81 -2.65 0.00 | 38.08 -2.52 0.00 | 43.18 -2.18 0.00 | 40.57 -1.36 0.00 |
| HARZA MOOSE___RIVER 24016 | 35.19 0.72 0.00 | 34.74 0.70 0.00 | 34.65 0.68 0.00 | 36.94 0.72 0.00 | 34.14 0.71 0.00 | 33.42 0.68 0.00 | 34.02 0.76 0.00 | 44.79 1.01 0.00 | 32.26 0.81 0.00 | 32.76 0.84 0.00 | 33.26 0.91 0.00 | 35.70 1.04 0.00 | 49.90 1.46 0.00 | 52.72 1.51 0.00 | 56.27 1.69 0.00 | 51.96 1.73 0.00 | 67.90 2.39 0.00 | 75.38 2.68 0.00 | 61.62 2.07 0.00 | 61.31 1.92 0.00 | 43.79 1.33 0.00 | 41.77 1.18 0.00 | 46.57 1.21 0.00 | 42.94 1.02 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 33.74 -0.73 0.00 | 33.28 -0.76 0.00 | 33.18 -0.79 0.00 | 35.41 -0.82 0.00 | 32.68 -0.76 0.00 | 31.99 -0.75 0.00 | 32.50 -0.76 0.00 | 42.70 -1.08 0.00 | 30.72 -0.72 0.00 | 31.21 -0.70 0.00 | 31.65 -0.69 0.00 | 33.92 -0.75 0.00 | 47.39 -1.04 0.00 | 50.11 -1.10 0.00 | 53.52 -1.06 0.00 | 49.24 -0.99 0.00 | 64.13 -1.38 0.00 | 71.17 -1.52 0.00 | 58.30 -1.25 0.00 | 58.09 -1.29 0.00 | 41.56 -0.90 0.00 | 39.65 -0.94 0.00 | 44.29 -1.06 0.00 | 40.91 -1.01 0.00 |
| HELLGATE_13_KV_LD 55870 | 35.90 1.43 0.00 | 35.39 1.36 0.00 | 35.21 1.24 0.00 | 37.56 1.33 0.00 | 34.67 1.23 0.00 | 33.99 1.25 0.00 | 34.59 1.33 0.00 | 45.52 1.75 0.00 | 32.77 1.33 0.00 | 33.35 1.43 0.00 | 33.88 1.53 0.00 | 36.42 1.75 0.00 | 50.95 2.51 0.00 | 53.65 2.44 0.00 | 56.99 2.40 0.00 | 52.51 2.28 0.00 | 68.55 3.03 0.00 | 76.16 3.46 0.00 | 62.27 2.72 0.00 | 62.16 2.77 0.00 | 44.35 1.90 0.00 | 42.33 1.74 0.00 | 47.05 1.69 0.00 | 43.43 1.51 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 35.90 1.43 0.00 | 35.39 1.36 0.00 | 35.21 1.24 0.00 | 37.56 1.33 0.00 | 34.67 1.23 0.00 | 33.99 1.25 0.00 | 34.59 1.33 0.00 | 45.52 1.75 0.00 | 32.77 1.33 0.00 | 33.35 1.43 0.00 | 33.88 1.53 0.00 | 36.42 1.75 0.00 | 50.95 2.51 0.00 | 53.65 2.44 0.00 | 56.99 2.40 0.00 | 52.51 2.28 0.00 | 68.55 3.03 0.00 | 76.16 3.46 0.00 | 62.27 2.72 0.00 | 62.16 2.77 0.00 | 44.35 1.90 0.00 | 42.33 1.74 0.00 | 47.05 1.69 0.00 | 43.43 1.51 0.00 |
| HEMPSTEAD___ 23647 | 35.65 1.19 0.00 | 35.10 1.06 0.00 | 34.93 0.96 0.00 | 37.23 1.01 0.00 | 34.40 0.96 0.00 | 33.71 0.98 0.00 | 34.23 0.96 0.00 | 44.89 1.11 0.00 | 32.32 0.87 0.00 | 32.87 0.95 0.00 | 33.74 1.39 0.00 | 54.78 1.62 -18.50 | 54.93 2.39 -4.10 | 54.79 2.26 -1.32 | 56.74 2.16 0.00 | 52.24 2.01 0.00 | 72.57 2.77 -4.28 | 99.76 3.16 -23.90 | 64.34 2.48 -2.31 | 61.83 2.45 0.00 | 44.06 1.61 0.00 | 42.08 1.49 0.00 | 46.68 1.33 0.00 | 43.03 1.11 0.00 |
| HICKLING___1 23621 | 33.32 -1.15 0.00 | 32.79 -1.25 0.00 | 32.65 -1.32 0.00 | 35.10 -1.12 0.00 | 32.11 -1.33 0.00 | 31.39 -1.35 0.00 | 31.85 -1.41 0.00 | 41.65 -2.13 0.00 | 29.92 -1.53 0.00 | 30.40 -1.51 0.00 | 30.92 -1.43 0.00 | 33.31 -1.36 0.00 | 46.28 -2.16 0.00 | 48.58 -2.63 0.00 | 52.59 -1.99 0.00 | 48.21 -2.02 0.00 | 62.16 -3.36 0.00 | 68.98 -3.72 0.00 | 57.13 -2.42 0.00 | 56.83 -2.55 0.00 | 40.92 -1.54 0.00 | 38.78 -1.81 0.00 | 43.84 -1.52 0.00 | 40.56 -1.36 0.00 |
| HICKLING___2 23622 | 33.32 -1.15 0.00 | 32.79 -1.25 0.00 | 32.65 -1.32 0.00 | 35.10 -1.12 0.00 | 32.11 -1.33 0.00 | 31.39 -1.35 0.00 | 31.85 -1.41 0.00 | 41.65 -2.13 0.00 | 29.92 -1.53 0.00 | 30.40 -1.51 0.00 | 30.92 -1.43 0.00 | 33.31 -1.36 0.00 | 46.28 -2.16 0.00 | 48.58 -2.63 0.00 | 52.59 -1.99 0.00 | 48.21 -2.02 0.00 | 62.16 -3.36 0.00 | 68.98 -3.72 0.00 | 57.13 -2.42 0.00 | 56.83 -2.55 0.00 | 40.92 -1.54 0.00 | 38.78 -1.81 0.00 | 43.84 -1.52 0.00 | 40.56 -1.36 0.00 |
| HIGH FALLS___HY 23754 | 35.59 1.12 0.00 | 35.08 1.04 0.00 | 34.93 0.96 0.00 | 37.25 1.03 0.00 | 34.38 0.94 0.00 | 33.69 0.95 0.00 | 34.29 1.03 0.00 | 45.18 1.40 0.00 | 32.54 1.09 0.00 | 33.06 1.15 0.00 | 33.55 1.21 0.00 | 36.08 1.41 0.00 | 50.65 2.21 0.00 | 53.43 2.22 0.00 | 56.80 2.22 0.00 | 52.35 2.12 0.00 | 68.47 2.95 0.00 | 76.08 3.39 0.00 | 62.22 2.68 0.00 | 62.04 2.66 0.00 | 44.23 1.77 0.00 | 42.14 1.54 0.00 | 46.86 1.50 0.00 | 43.19 1.27 0.00 |
| HIGH_RIVER___SOLAR 323847 | 35.13 0.66 0.00 | 34.67 0.64 0.00 | 34.58 0.61 0.00 | 36.81 0.58 0.00 | 33.97 0.53 0.00 | 33.27 0.53 0.00 | 33.84 0.58 0.00 | 44.58 0.81 0.00 | 31.96 0.52 0.00 | 32.40 0.49 0.00 | 32.86 0.51 0.00 | 35.17 0.51 0.00 | 49.14 0.70 0.00 | 52.24 1.04 0.00 | 55.67 1.09 0.00 | 51.33 1.11 0.00 | 67.10 1.58 0.00 | 74.44 1.74 0.00 | 60.90 1.35 0.00 | 60.78 1.40 0.00 | 43.57 1.11 0.00 | 41.54 0.95 0.00 | 46.33 0.97 0.00 | 42.75 0.83 0.00 |
| HILLBURN___GT 23639 | 35.30 0.83 0.00 | 34.83 0.79 0.00 | 34.69 0.72 0.00 | 36.99 0.77 0.00 | 34.14 0.70 0.00 | 33.45 0.72 0.00 | 34.06 0.80 0.00 | 44.85 1.07 0.00 | 32.27 0.82 0.00 | 32.78 0.87 0.00 | 33.30 0.95 0.00 | 35.81 1.14 0.00 | 50.14 1.70 0.00 | 52.81 1.60 0.00 | 56.16 1.58 0.00 | 51.75 1.53 0.00 | 67.72 2.20 0.00 | 75.18 2.48 0.00 | 61.47 1.92 0.00 | 61.29 1.91 0.00 | 43.72 1.26 0.00 | 41.70 1.11 0.00 | 46.43 1.07 0.00 | 42.86 0.93 0.00 |
| HILLSIDE_115KV_TB1 80332 | 32.71 -1.76 0.00 | 32.17 -1.86 0.00 | 32.06 -1.91 0.00 | 34.47 -1.76 0.00 | 31.53 -1.91 0.00 | 30.81 -1.92 0.00 | 31.30 -1.97 0.00 | 40.92 -2.86 0.00 | 29.43 -2.01 0.00 | 29.89 -2.02 0.00 | 30.37 -1.97 0.00 | 32.76 -1.91 0.00 | 45.55 -2.88 0.00 | 47.76 -3.45 0.00 | 51.69 -2.90 0.00 | 47.34 -2.89 0.00 | 61.10 -4.42 0.00 | 67.71 -4.99 0.00 | 56.13 -3.42 0.00 | 55.91 -3.47 0.00 | 40.24 -2.22 0.00 | 38.11 -2.49 0.00 | 43.05 -2.31 0.00 | 39.80 -2.12 0.00 |

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| HISHELDN_WT_PWR 323625 | 33.42 -1.04 0.00 | 33.02 -1.02 0.00 | 32.86 -1.11 0.00 | 35.26 -0.96 0.00 | 32.20 -1.23 0.00 | 31.46 -1.28 0.00 | 31.78 -1.48 0.00 | 41.58 -2.19 0.00 | 29.47 -1.98 0.00 | 29.98 -1.93 0.00 | 30.51 -1.84 0.00 | 32.72 -1.95 0.00 | 45.31 -3.13 0.00 | 47.76 -3.45 0.00 | 51.75 -2.83 0.00 | 47.74 -2.48 0.00 | 61.19 -4.33 0.00 | 68.10 -4.60 0.00 | 56.10 -3.45 0.00 | 55.67 -3.72 0.00 | 40.30 -2.16 0.00 | 38.43 -2.16 0.00 | 43.59 -1.77 0.00 | 40.65 -1.27 0.00 |
| HOLTSVILLE_IC_1 23690 | 35.91 1.44 0.00 | 35.31 1.27 0.00 | 35.13 1.16 0.00 | 37.37 1.14 0.00 | 34.57 1.14 0.00 | 33.90 1.17 0.00 | 34.37 1.11 0.00 | 44.89 1.12 0.00 | 32.37 0.92 0.00 | 33.19 0.95 -0.32 | 33.94 1.60 0.00 | 48.64 1.79 -12.18 | 53.88 2.74 -2.70 | 54.58 2.51 -0.87 | 57.89 2.30 -1.01 | 60.44 2.08 -8.13 | 83.20 2.91 -14.78 | 104.50 3.48 -28.33 | 74.13 2.63 -11.95 | 70.20 2.57 -8.24 | 44.11 1.64 -0.01 | 42.17 1.58 0.00 | 46.75 1.39 0.00 | 43.07 1.15 0.00 |
| HOLTSVILLE_IC_10 23699 | 36.09 1.62 0.00 | 35.47 1.43 0.00 | 35.28 1.31 0.00 | 37.53 1.31 0.00 | 34.72 1.28 0.00 | 34.05 1.32 0.00 | 34.54 1.27 0.00 | 45.09 1.32 0.00 | 32.52 1.07 0.00 | 33.27 1.10 -0.26 | 34.11 1.77 0.00 | 48.96 1.97 -12.32 | 54.20 3.02 -2.73 | 54.88 2.80 -0.88 | 58.03 2.62 -0.82 | 59.23 2.39 -6.61 | 81.40 3.32 -12.57 | 102.83 3.97 -26.16 | 72.59 3.03 -10.01 | 69.05 2.97 -6.70 | 44.36 1.89 -0.01 | 42.42 1.82 0.00 | 46.98 1.62 0.00 | 43.27 1.35 0.00 |
| HOLTSVILLE_IC_2 23691 | 35.91 1.44 0.00 | 35.31 1.27 0.00 | 35.13 1.16 0.00 | 37.37 1.14 0.00 | 34.57 1.14 0.00 | 33.90 1.17 0.00 | 34.37 1.11 0.00 | 44.89 1.12 0.00 | 32.37 0.92 0.00 | 33.19 0.95 -0.32 | 33.94 1.60 0.00 | 48.64 1.79 -12.18 | 53.88 2.74 -2.70 | 54.58 2.51 -0.87 | 57.89 2.30 -1.01 | 60.44 2.08 -8.13 | 83.20 2.91 -14.78 | 104.50 3.48 -28.33 | 74.13 2.63 -11.95 | 70.20 2.57 -8.24 | 44.11 1.64 -0.01 | 42.17 1.58 0.00 | 46.75 1.39 0.00 | 43.07 1.15 0.00 |
| HOLTSVILLE_IC_3 23692 | 35.91 1.44 0.00 | 35.31 1.27 0.00 | 35.13 1.16 0.00 | 37.37 1.14 0.00 | 34.57 1.14 0.00 | 33.90 1.17 0.00 | 34.37 1.11 0.00 | 44.89 1.12 0.00 | 32.37 0.92 0.00 | 33.19 0.95 -0.32 | 33.94 1.60 0.00 | 48.64 1.79 -12.18 | 53.88 2.74 -2.70 | 54.58 2.51 -0.87 | 57.89 2.30 -1.01 | 60.44 2.08 -8.13 | 83.20 2.91 -14.78 | 104.50 3.48 -28.33 | 74.13 2.63 -11.95 | 70.20 2.57 -8.24 | 44.11 1.64 -0.01 | 42.17 1.58 0.00 | 46.75 1.39 0.00 | 43.07 1.15 0.00 |
| HOLTSVILLE_IC_4 23693 | 35.91 1.44 0.00 | 35.31 1.27 0.00 | 35.13 1.16 0.00 | 37.37 1.14 0.00 | 34.57 1.14 0.00 | 33.90 1.17 0.00 | 34.37 1.11 0.00 | 44.89 1.12 0.00 | 32.37 0.92 0.00 | 33.19 0.95 -0.32 | 33.94 1.60 0.00 | 48.64 1.79 -12.18 | 53.88 2.74 -2.70 | 54.58 2.51 -0.87 | 57.89 2.30 -1.01 | 60.44 2.08 -8.13 | 83.20 2.91 -14.78 | 104.50 3.48 -28.33 | 74.13 2.63 -11.95 | 70.20 2.57 -8.24 | 44.11 1.64 -0.01 | 42.17 1.58 0.00 | 46.75 1.39 0.00 | 43.07 1.15 0.00 |
| HOLTSVILLE_IC_5 23694 | 35.91 1.44 0.00 | 35.31 1.27 0.00 | 35.13 1.16 0.00 | 37.37 1.14 0.00 | 34.57 1.14 0.00 | 33.90 1.17 0.00 | 34.37 1.11 0.00 | 44.89 1.12 0.00 | 32.37 0.92 0.00 | 33.19 0.95 -0.32 | 33.94 1.60 0.00 | 48.64 1.79 -12.18 | 53.88 2.74 -2.70 | 54.58 2.51 -0.87 | 57.89 2.30 -1.01 | 60.44 2.08 -8.13 | 83.20 2.91 -14.78 | 104.50 3.48 -28.33 | 74.13 2.63 -11.95 | 70.20 2.57 -8.24 | 44.11 1.64 -0.01 | 42.17 1.58 0.00 | 46.75 1.39 0.00 | 43.07 1.15 0.00 |
| HOLTSVILLE_IC_6 23695 | 36.09 1.62 0.00 | 35.47 1.43 0.00 | 35.28 1.31 0.00 | 37.53 1.31 0.00 | 34.72 1.28 0.00 | 34.05 1.32 0.00 | 34.54 1.27 0.00 | 45.09 1.32 0.00 | 32.52 1.07 0.00 | 33.27 1.10 -0.26 | 34.11 1.77 0.00 | 48.96 1.97 -12.32 | 54.20 3.02 -2.73 | 54.88 2.80 -0.88 | 58.03 2.62 -0.82 | 59.23 2.39 -6.61 | 81.40 3.32 -12.57 | 102.83 3.97 -26.16 | 72.59 3.03 -10.01 | 69.05 2.97 -6.70 | 44.36 1.89 -0.01 | 42.42 1.82 0.00 | 46.98 1.62 0.00 | 43.27 1.35 0.00 |
| HOLTSVILLE_IC_7 23696 | 36.09 1.62 0.00 | 35.47 1.43 0.00 | 35.28 1.31 0.00 | 37.53 1.31 0.00 | 34.72 1.28 0.00 | 34.05 1.32 0.00 | 34.54 1.27 0.00 | 45.09 1.32 0.00 | 32.52 1.07 0.00 | 33.27 1.10 -0.26 | 34.11 1.77 0.00 | 48.96 1.97 -12.32 | 54.20 3.02 -2.73 | 54.88 2.80 -0.88 | 58.03 2.62 -0.82 | 59.23 2.39 -6.61 | 81.40 3.32 -12.57 | 102.83 3.97 -26.16 | 72.59 3.03 -10.01 | 69.05 2.97 -6.70 | 44.36 1.89 -0.01 | 42.42 1.82 0.00 | 46.98 1.62 0.00 | 43.27 1.35 0.00 |
| HOLTSVILLE_IC_8 23697 | 36.09 1.62 0.00 | 35.47 1.43 0.00 | 35.28 1.31 0.00 | 37.53 1.31 0.00 | 34.72 1.28 0.00 | 34.05 1.32 0.00 | 34.54 1.27 0.00 | 45.09 1.32 0.00 | 32.52 1.07 0.00 | 33.27 1.10 -0.26 | 34.11 1.77 0.00 | 48.96 1.97 -12.32 | 54.20 3.02 -2.73 | 54.88 2.80 -0.88 | 58.03 2.62 -0.82 | 59.23 2.39 -6.61 | 81.40 3.32 -12.57 | 102.83 3.97 -26.16 | 72.59 3.03 -10.01 | 69.05 2.97 -6.70 | 44.36 1.89 -0.01 | 42.42 1.82 0.00 | 46.98 1.62 0.00 | 43.27 1.35 0.00 |
| HOLTSVILLE_IC_9 23698 | 36.09 1.62 0.00 | 35.47 1.43 0.00 | 35.28 1.31 0.00 | 37.53 1.31 0.00 | 34.72 1.28 0.00 | 34.05 1.32 0.00 | 34.54 1.27 0.00 | 45.09 1.32 0.00 | 32.52 1.07 0.00 | 33.27 1.10 -0.26 | 34.11 1.77 0.00 | 48.96 1.97 -12.32 | 54.20 3.02 -2.73 | 54.88 2.80 -0.88 | 58.03 2.62 -0.82 | 59.23 2.39 -6.61 | 81.40 3.32 -12.57 | 102.83 3.97 -26.16 | 72.59 3.03 -10.01 | 69.05 2.97 -6.70 | 44.36 1.89 -0.01 | 42.42 1.82 0.00 | 46.98 1.62 0.00 | 43.27 1.35 0.00 |
| HOMER_HL_115KV_TB2 355744 | 33.21 -1.25 0.00 | 32.82 -1.22 0.00 | 32.68 -1.29 0.00 | 35.11 -1.12 0.00 | 32.11 -1.34 0.00 | 31.42 -1.32 0.00 | 31.88 -1.38 0.00 | 41.83 -1.95 0.00 | 29.72 -1.73 0.00 | 30.27 -1.64 0.00 | 30.73 -1.62 0.00 | 33.03 -1.63 0.00 | 46.00 -2.44 0.00 | 48.35 -2.86 0.00 | 52.02 -2.56 0.00 | 47.84 -2.39 0.00 | 61.70 -3.81 0.00 | 68.88 -3.82 0.00 | 56.70 -2.85 0.00 | 56.49 -2.89 0.00 | 40.78 -1.68 0.00 | 38.78 -1.82 0.00 | 43.81 -1.54 0.00 | 40.69 -1.23 0.00 |
| HOWARD_WT_PWR 323690 | 33.96 -0.51 0.00 | 33.41 -0.63 0.00 | 33.31 -0.66 0.00 | 35.77 -0.45 0.00 | 32.66 -0.78 0.00 | 31.94 -0.79 0.00 | 32.29 -0.97 0.00 | 42.11 -1.67 0.00 | 30.24 -1.20 0.00 | 30.78 -1.13 0.00 | 31.37 -0.98 0.00 | 33.67 -1.00 0.00 | 46.73 -1.71 0.00 | 49.12 -2.09 0.00 | 53.40 -1.19 0.00 | 48.97 -1.25 0.00 | 62.96 -2.56 0.00 | 70.10 -2.59 0.00 | 57.92 -1.63 0.00 | 57.43 -1.95 0.00 | 41.46 -1.00 0.00 | 39.38 -1.21 0.00 | 44.60 -0.76 0.00 | 41.35 -0.57 0.00 |
| HQ_GEN_CEDARS 23644 | 35.64 1.18 0.00 | 35.19 1.15 0.00 | 35.12 1.15 0.00 | 37.44 1.21 0.00 | 34.52 1.09 0.00 | 33.77 1.04 0.00 | 34.38 1.12 0.00 | 45.41 1.64 0.00 | 32.57 1.12 0.00 | 32.98 1.07 0.00 | 33.42 1.08 0.00 | 35.82 1.15 0.00 | 50.00 1.56 0.00 | 52.75 1.54 0.00 | 56.19 1.61 0.00 | 51.90 1.67 0.00 | 67.76 2.25 0.00 | 75.39 2.69 0.00 | 61.95 2.40 0.00 | 61.74 2.36 0.00 | 44.07 1.61 0.00 | 42.23 1.64 0.00 | 47.33 1.98 0.00 | 43.84 1.91 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 35.64 1.18 0.00 | 35.19 1.15 0.00 | 35.12 1.15 0.00 | 37.43 1.21 0.00 | 34.52 1.09 0.00 | 33.77 1.04 0.00 | 34.38 1.12 0.00 | 45.41 1.64 0.00 | 32.57 1.12 0.00 | 32.98 1.07 0.00 | 33.42 1.08 0.00 | 35.82 1.15 0.00 | 50.00 1.56 0.00 | 52.75 1.54 0.00 | 56.19 1.61 0.00 | 51.90 1.67 0.00 | 67.76 2.25 0.00 | 75.39 2.69 0.00 | 61.95 2.40 0.00 | 61.74 2.36 0.00 | 44.07 1.61 0.00 | 42.24 1.64 0.00 | 47.33 1.98 0.00 | 43.84 1.92 0.00 |

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| HQ_GEN_IMPORT 323601 | 34.90 0.44 0.00 | 34.46 0.42 0.00 | 34.39 0.42 0.00 | 36.67 0.44 0.00 | 33.83 0.40 0.00 | 33.10 0.36 0.00 | 33.66 0.39 0.00 | 44.38 0.61 0.00 | 31.85 0.41 0.00 | 32.29 0.37 0.00 | 32.71 0.37 0.00 | 35.04 0.38 0.00 | 48.93 0.49 0.00 | 51.69 0.48 0.00 | 55.16 0.47 -0.10 | 50.78 0.55 0.00 | 66.23 0.72 0.00 | 73.59 0.89 0.00 | 60.37 0.82 0.00 | 60.20 0.82 0.00 | 42.99 0.53 0.00 | 41.19 0.59 0.00 | 46.11 0.75 0.00 | 45.03 0.75 -2.36 |
| HQ_GEN_WHEEL 23651 | 34.90 0.44 0.00 | 34.46 0.42 0.00 | 34.39 0.42 0.00 | 36.67 0.44 0.00 | 33.83 0.40 0.00 | 33.10 0.36 0.00 | 33.66 0.39 0.00 | 44.38 0.61 0.00 | 31.85 0.41 0.00 | 32.29 0.37 0.00 | 32.71 0.37 0.00 | 35.04 0.38 0.00 | 48.93 0.49 0.00 | 51.69 0.48 0.00 | 55.16 0.47 -0.10 | 50.78 0.55 0.00 | 66.23 0.72 0.00 | 73.59 0.89 0.00 | 60.37 0.82 0.00 | 60.20 0.82 0.00 | 42.99 0.53 0.00 | 41.19 0.59 0.00 | 46.11 0.75 0.00 | 45.03 0.75 -2.36 |
| HUDSON AVE_GT_3 23810 | 35.75 1.29 0.00 | 35.25 1.21 0.00 | 35.08 1.11 0.00 | 37.39 1.17 0.00 | 34.52 1.08 0.00 | 33.84 1.11 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.63 1.19 0.00 | 33.20 1.28 0.00 | 33.71 1.36 0.00 | 36.28 1.61 0.00 | 50.76 2.33 0.00 | 53.47 2.26 0.00 | 56.83 2.25 0.00 | 52.34 2.11 0.00 | 68.37 2.85 0.00 | 75.98 3.29 0.00 | 62.13 2.58 0.00 | 61.99 2.61 0.00 | 44.23 1.78 0.00 | 42.19 1.60 0.00 | 46.91 1.55 0.00 | 43.26 1.34 0.00 |
| HUDSON AVE_GT_4 23540 | 35.75 1.29 0.00 | 35.25 1.21 0.00 | 35.08 1.11 0.00 | 37.39 1.17 0.00 | 34.52 1.08 0.00 | 33.84 1.11 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.63 1.19 0.00 | 33.20 1.28 0.00 | 33.71 1.36 0.00 | 36.28 1.61 0.00 | 50.76 2.33 0.00 | 53.47 2.26 0.00 | 56.83 2.25 0.00 | 52.34 2.11 0.00 | 68.37 2.85 0.00 | 75.98 3.29 0.00 | 62.13 2.58 0.00 | 61.99 2.61 0.00 | 44.23 1.78 0.00 | 42.19 1.60 0.00 | 46.91 1.55 0.00 | 43.26 1.34 0.00 |
| HUDSON AVE_GT_5 23657 | 35.75 1.29 0.00 | 35.25 1.21 0.00 | 35.08 1.11 0.00 | 37.39 1.17 0.00 | 34.52 1.08 0.00 | 33.84 1.11 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.63 1.19 0.00 | 33.20 1.28 0.00 | 33.71 1.36 0.00 | 36.28 1.61 0.00 | 50.76 2.33 0.00 | 53.47 2.26 0.00 | 56.83 2.25 0.00 | 52.34 2.11 0.00 | 68.37 2.85 0.00 | 75.98 3.29 0.00 | 62.13 2.58 0.00 | 61.99 2.61 0.00 | 44.23 1.78 0.00 | 42.19 1.60 0.00 | 46.91 1.55 0.00 | 43.26 1.34 0.00 |
| HUDSON_AVE_10 24168 | 35.63 1.16 0.00 | 35.12 1.08 0.00 | 34.95 0.98 0.00 | 37.27 1.05 0.00 | 34.40 0.97 0.00 | 33.73 0.99 0.00 | 34.34 1.08 0.00 | 45.19 1.41 0.00 | 32.54 1.09 0.00 | 33.10 1.19 0.00 | 33.60 1.25 0.00 | 36.15 1.48 0.00 | 50.58 2.14 0.00 | 53.27 2.06 0.00 | 56.64 2.06 0.00 | 52.15 1.93 0.00 | 68.10 2.59 0.00 | 75.68 2.98 0.00 | 61.90 2.35 0.00 | 61.79 2.41 0.00 | 44.07 1.61 0.00 | 42.03 1.43 0.00 | 46.72 1.37 0.00 | 43.09 1.17 0.00 |
| HUDSON___115KV_TB 4 355613 | 35.04 0.57 0.00 | 34.68 0.64 0.00 | 34.66 0.70 0.00 | 36.98 0.76 0.00 | 34.27 0.84 0.00 | 33.57 0.83 0.00 | 34.07 0.81 0.00 | 44.81 1.03 0.00 | 32.25 0.80 0.00 | 32.75 0.83 0.00 | 33.08 0.73 0.00 | 35.33 0.67 0.00 | 49.27 0.83 0.00 | 52.39 1.19 0.00 | 56.12 1.54 0.00 | 51.50 1.27 0.00 | 67.28 1.77 0.00 | 74.51 1.81 0.00 | 60.86 1.32 0.00 | 60.61 1.22 0.00 | 43.35 0.90 0.00 | 41.35 0.76 0.00 | 46.07 0.71 0.00 | 42.52 0.60 0.00 |
| HUNTER MOUNT___DRP 323613 | 35.12 0.65 0.00 | 34.76 0.72 0.00 | 34.75 0.78 0.00 | 37.08 0.86 0.00 | 34.36 0.92 0.00 | 33.66 0.92 0.00 | 34.18 0.92 0.00 | 44.97 1.20 0.00 | 32.37 0.93 0.00 | 32.89 0.97 0.00 | 33.23 0.88 0.00 | 35.51 0.84 0.00 | 49.56 1.12 0.00 | 52.63 1.43 0.00 | 56.39 1.81 0.00 | 51.72 1.49 0.00 | 67.61 2.09 0.00 | 74.87 2.17 0.00 | 61.12 1.57 0.00 | 60.84 1.46 0.00 | 43.52 1.06 0.00 | 41.50 0.91 0.00 | 46.23 0.87 0.00 | 42.64 0.71 0.00 |
| HUNTINGTON_RES_REC 323705 | 35.80 1.33 0.00 | 35.20 1.16 0.00 | 35.02 1.05 0.00 | 37.28 1.06 0.00 | 34.47 1.03 0.00 | 33.78 1.04 0.00 | 34.24 0.97 0.00 | 44.74 0.97 0.00 | 32.23 0.78 0.00 | 32.65 0.81 0.07 | 33.85 1.51 0.00 | 48.81 1.74 -12.40 | 53.85 2.66 -2.75 | 54.51 2.42 -0.88 | 56.54 2.18 0.22 | 50.40 1.97 1.80 | 68.49 2.74 -0.23 | 89.24 3.30 -13.24 | 61.30 2.51 0.76 | 60.00 2.44 1.82 | 44.01 1.56 0.00 | 42.09 1.50 0.00 | 46.61 1.26 0.00 | 42.97 1.04 0.00 |
| HUNTLEY___63 23557 | 33.52 -0.95 0.00 | 33.16 -0.88 0.00 | 33.04 -0.92 0.00 | 35.49 -0.74 0.00 | 32.45 -0.99 0.00 | 31.72 -1.01 0.00 | 32.09 -1.17 0.00 | 41.98 -1.80 0.00 | 29.59 -1.85 0.00 | 30.11 -1.80 0.00 | 30.64 -1.71 0.00 | 32.89 -1.78 0.00 | 45.69 -2.75 0.00 | 48.18 -3.03 0.00 | 51.72 -2.86 0.00 | 47.74 -2.49 0.00 | 61.12 -4.39 0.00 | 67.86 -4.83 0.00 | 55.82 -3.73 0.00 | 55.27 -4.12 0.00 | 40.03 -2.43 0.00 | 38.26 -2.34 0.00 | 43.39 -1.97 0.00 | 40.66 -1.27 0.00 |
| HUNTLEY___64 23558 | 33.52 -0.95 0.00 | 33.16 -0.88 0.00 | 33.04 -0.92 0.00 | 35.49 -0.74 0.00 | 32.45 -0.99 0.00 | 31.72 -1.01 0.00 | 32.09 -1.17 0.00 | 41.98 -1.80 0.00 | 29.59 -1.85 0.00 | 30.11 -1.80 0.00 | 30.64 -1.71 0.00 | 32.89 -1.78 0.00 | 45.69 -2.75 0.00 | 48.18 -3.03 0.00 | 51.72 -2.86 0.00 | 47.74 -2.49 0.00 | 61.12 -4.39 0.00 | 67.86 -4.83 0.00 | 55.82 -3.73 0.00 | 55.27 -4.12 0.00 | 40.03 -2.43 0.00 | 38.26 -2.34 0.00 | 43.39 -1.97 0.00 | 40.66 -1.27 0.00 |
| HUNTLEY___65 23559 | 33.52 -0.95 0.00 | 33.16 -0.88 0.00 | 33.04 -0.92 0.00 | 35.49 -0.74 0.00 | 32.45 -0.99 0.00 | 31.72 -1.01 0.00 | 32.09 -1.17 0.00 | 41.98 -1.80 0.00 | 29.59 -1.85 0.00 | 30.11 -1.80 0.00 | 30.64 -1.71 0.00 | 32.89 -1.78 0.00 | 45.69 -2.75 0.00 | 48.18 -3.03 0.00 | 51.72 -2.86 0.00 | 47.74 -2.49 0.00 | 61.12 -4.39 0.00 | 67.86 -4.83 0.00 | 55.82 -3.73 0.00 | 55.27 -4.12 0.00 | 40.03 -2.43 0.00 | 38.26 -2.34 0.00 | 43.39 -1.97 0.00 | 40.66 -1.27 0.00 |
| HUNTLEY___66 23560 | 33.52 -0.95 0.00 | 33.16 -0.88 0.00 | 33.04 -0.92 0.00 | 35.49 -0.74 0.00 | 32.45 -0.99 0.00 | 31.72 -1.01 0.00 | 32.09 -1.17 0.00 | 41.98 -1.80 0.00 | 29.59 -1.85 0.00 | 30.11 -1.80 0.00 | 30.64 -1.71 0.00 | 32.89 -1.78 0.00 | 45.69 -2.75 0.00 | 48.18 -3.03 0.00 | 51.72 -2.86 0.00 | 47.74 -2.49 0.00 | 61.12 -4.39 0.00 | 67.86 -4.83 0.00 | 55.82 -3.73 0.00 | 55.27 -4.12 0.00 | 40.03 -2.43 0.00 | 38.26 -2.34 0.00 | 43.39 -1.97 0.00 | 40.66 -1.27 0.00 |
| HUNTLEY___67 23561 | 33.32 -1.15 0.00 | 32.96 -1.07 0.00 | 32.85 -1.11 0.00 | 35.27 -0.95 0.00 | 32.26 -1.18 0.00 | 31.53 -1.21 0.00 | 31.90 -1.37 0.00 | 41.75 -2.02 0.00 | 29.45 -2.00 0.00 | 29.95 -1.97 0.00 | 30.46 -1.89 0.00 | 32.69 -1.98 0.00 | 45.45 -3.00 0.00 | 47.90 -3.30 0.00 | 51.41 -3.17 0.00 | 47.43 -2.79 0.00 | 60.79 -4.72 0.00 | 67.61 -5.09 0.00 | 55.62 -3.93 0.00 | 55.11 -4.28 0.00 | 39.89 -2.56 0.00 | 38.11 -2.48 0.00 | 43.23 -2.13 0.00 | 40.44 -1.48 0.00 |
| HUNTLEY___68 23562 | 33.32 -1.15 0.00 | 32.96 -1.07 0.00 | 32.85 -1.11 0.00 | 35.27 -0.95 0.00 | 32.26 -1.18 0.00 | 31.53 -1.21 0.00 | 31.90 -1.37 0.00 | 41.75 -2.02 0.00 | 29.45 -2.00 0.00 | 29.95 -1.97 0.00 | 30.46 -1.89 0.00 | 32.69 -1.98 0.00 | 45.45 -3.00 0.00 | 47.90 -3.30 0.00 | 51.41 -3.17 0.00 | 47.43 -2.79 0.00 | 60.79 -4.72 0.00 | 67.61 -5.09 0.00 | 55.62 -3.93 0.00 | 55.11 -4.28 0.00 | 39.89 -2.56 0.00 | 38.11 -2.48 0.00 | 43.23 -2.13 0.00 | 40.44 -1.48 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| HYLAND___LFGE 323620 | 35.28 0.82 0.00 | 34.76 0.72 0.00 | 34.62 0.65 0.00 | 37.11 0.88 0.00 | 34.04 0.61 0.00 | 33.35 0.61 0.00 | 33.81 0.55 0.00 | 44.46 0.68 0.00 | 31.76 0.31 0.00 | 32.29 0.38 0.00 | 32.84 0.49 0.00 | 35.06 0.39 0.00 | 48.84 0.41 0.00 | 51.62 0.41 0.00 | 55.57 0.99 0.00 | 51.10 0.88 0.00 | 66.14 0.63 0.00 | 73.93 1.23 0.00 | 60.87 1.33 0.00 | 60.45 1.07 0.00 | 43.51 1.05 0.00 | 41.35 0.75 0.00 | 46.56 1.20 0.00 | 43.16 1.24 0.00 |
| INDECK___CORINTH 23802 | 36.12 1.66 0.00 | 35.81 1.77 0.00 | 35.79 1.83 0.00 | 38.17 1.94 0.00 | 35.34 1.90 0.00 | 34.71 1.97 0.00 | 35.32 2.06 0.00 | 46.47 2.70 0.00 | 33.26 1.81 0.00 | 33.83 1.91 0.00 | 34.27 1.93 0.00 | 36.73 2.06 0.00 | 51.38 2.94 0.00 | 54.59 3.38 0.00 | 58.39 3.81 0.00 | 53.23 3.01 0.00 | 69.79 4.27 0.00 | 77.01 4.31 0.00 | 62.68 3.13 0.00 | 62.44 3.06 0.00 | 44.83 2.37 0.00 | 42.76 2.17 0.00 | 47.82 2.46 0.00 | 43.99 2.07 0.00 |
| INDECK___ILION 23567 | 35.34 0.87 0.00 | 34.91 0.87 0.00 | 34.83 0.86 0.00 | 37.05 0.82 0.00 | 34.10 0.67 0.00 | 33.38 0.65 0.00 | 33.92 0.66 0.00 | 44.62 0.84 0.00 | 32.04 0.60 0.00 | 32.59 0.67 0.00 | 33.05 0.71 0.00 | 35.41 0.74 0.00 | 49.47 1.03 0.00 | 52.44 1.23 0.00 | 55.90 1.32 0.00 | 51.34 1.11 0.00 | 67.01 1.50 0.00 | 74.31 1.61 0.00 | 60.80 1.25 0.00 | 60.68 1.30 0.00 | 43.68 1.22 0.00 | 41.69 1.10 0.00 | 46.47 1.12 0.00 | 42.84 0.92 0.00 |
| INDECK___OLEAN 23982 | 33.22 -1.25 0.00 | 32.82 -1.22 0.00 | 32.68 -1.29 0.00 | 35.10 -1.12 0.00 | 32.11 -1.33 0.00 | 31.42 -1.32 0.00 | 31.87 -1.39 0.00 | 41.83 -1.95 0.00 | 29.73 -1.72 0.00 | 30.27 -1.64 0.00 | 30.72 -1.62 0.00 | 33.03 -1.64 0.00 | 46.00 -2.44 0.00 | 48.35 -2.85 0.00 | 52.02 -2.56 0.00 | 47.84 -2.39 0.00 | 61.70 -3.81 0.00 | 68.87 -3.82 0.00 | 56.70 -2.85 0.00 | 56.48 -2.90 0.00 | 40.78 -1.67 0.00 | 38.77 -1.82 0.00 | 43.81 -1.54 0.00 | 40.69 -1.23 0.00 |
| INDECK___OSWEGO 23783 | 33.41 -1.06 0.00 | 32.94 -1.10 0.00 | 32.84 -1.12 0.00 | 35.03 -1.20 0.00 | 32.33 -1.10 0.00 | 31.65 -1.09 0.00 | 32.12 -1.14 0.00 | 42.25 -1.52 0.00 | 30.43 -1.02 0.00 | 30.91 -1.00 0.00 | 31.35 -0.99 0.00 | 33.58 -1.09 0.00 | 46.92 -1.52 0.00 | 49.61 -1.59 0.00 | 52.93 -1.66 0.00 | 48.73 -1.50 0.00 | 63.47 -2.04 0.00 | 70.45 -2.24 0.00 | 57.68 -1.86 0.00 | 57.47 -1.91 0.00 | 41.12 -1.34 0.00 | 39.25 -1.34 0.00 | 43.79 -1.57 0.00 | 40.23 -1.69 0.00 |
| INDECK___YERKES 23781 | 33.54 -0.93 0.00 | 33.19 -0.85 0.00 | 33.07 -0.90 0.00 | 35.51 -0.72 0.00 | 32.47 -0.97 0.00 | 31.75 -0.98 0.00 | 32.12 -1.15 0.00 | 42.02 -1.76 0.00 | 29.62 -1.82 0.00 | 30.14 -1.77 0.00 | 30.67 -1.68 0.00 | 32.91 -1.76 0.00 | 45.73 -2.71 0.00 | 48.21 -2.99 0.00 | 51.77 -2.81 0.00 | 47.77 -2.45 0.00 | 61.16 -4.36 0.00 | 67.91 -4.79 0.00 | 55.86 -3.69 0.00 | 55.30 -4.08 0.00 | 40.05 -2.41 0.00 | 38.28 -2.31 0.00 | 43.42 -1.94 0.00 | 40.68 -1.25 0.00 |
| INDIAN POINT_GT_1 24139 | 35.29 0.82 0.00 | 34.81 0.77 0.00 | 34.68 0.71 0.00 | 36.98 0.75 0.00 | 34.14 0.70 0.00 | 33.45 0.72 0.00 | 34.05 0.79 0.00 | 44.82 1.04 0.00 | 32.24 0.80 0.00 | 32.77 0.86 0.00 | 33.29 0.94 0.00 | 35.79 1.12 0.00 | 50.11 1.67 0.00 | 52.81 1.60 0.00 | 56.16 1.57 0.00 | 51.70 1.48 0.00 | 67.63 2.11 0.00 | 75.08 2.38 0.00 | 61.38 1.83 0.00 | 61.21 1.82 0.00 | 43.67 1.21 0.00 | 41.66 1.07 0.00 | 46.36 1.01 0.00 | 42.78 0.86 0.00 |
| INDIAN POINT_GT_2 23659 | 35.29 0.82 0.00 | 34.81 0.77 0.00 | 34.68 0.71 0.00 | 36.98 0.75 0.00 | 34.14 0.70 0.00 | 33.45 0.72 0.00 | 34.05 0.79 0.00 | 44.82 1.04 0.00 | 32.24 0.80 0.00 | 32.77 0.86 0.00 | 33.29 0.94 0.00 | 35.79 1.12 0.00 | 50.11 1.67 0.00 | 52.81 1.60 0.00 | 56.16 1.57 0.00 | 51.70 1.48 0.00 | 67.63 2.11 0.00 | 75.08 2.38 0.00 | 61.38 1.83 0.00 | 61.21 1.82 0.00 | 43.67 1.21 0.00 | 41.66 1.07 0.00 | 46.36 1.01 0.00 | 42.78 0.86 0.00 |
| INDIAN POINT_GT_3 24019 | 35.29 0.82 0.00 | 34.81 0.77 0.00 | 34.68 0.71 0.00 | 36.98 0.75 0.00 | 34.14 0.70 0.00 | 33.45 0.72 0.00 | 34.05 0.79 0.00 | 44.82 1.04 0.00 | 32.24 0.80 0.00 | 32.77 0.86 0.00 | 33.29 0.94 0.00 | 35.79 1.12 0.00 | 50.11 1.67 0.00 | 52.81 1.60 0.00 | 56.16 1.57 0.00 | 51.70 1.48 0.00 | 67.63 2.11 0.00 | 75.08 2.38 0.00 | 61.38 1.83 0.00 | 61.21 1.82 0.00 | 43.67 1.21 0.00 | 41.66 1.07 0.00 | 46.36 1.01 0.00 | 42.78 0.86 0.00 |
| INDIAN POINT___2 23530 | 35.24 0.77 0.00 | 34.78 0.74 0.00 | 34.63 0.66 0.00 | 36.93 0.71 0.00 | 34.09 0.66 0.00 | 33.41 0.68 0.00 | 34.00 0.74 0.00 | 44.76 0.99 0.00 | 32.21 0.76 0.00 | 32.72 0.80 0.00 | 33.23 0.88 0.00 | 35.74 1.07 0.00 | 50.04 1.60 0.00 | 52.71 1.51 0.00 | 56.06 1.47 0.00 | 51.63 1.40 0.00 | 67.54 2.03 0.00 | 74.98 2.28 0.00 | 61.30 1.75 0.00 | 61.14 1.75 0.00 | 43.62 1.16 0.00 | 41.60 1.01 0.00 | 46.32 0.96 0.00 | 42.75 0.83 0.00 |
| INDIAN POINT___3 23531 | 35.30 0.83 0.00 | 34.83 0.79 0.00 | 34.69 0.72 0.00 | 36.99 0.77 0.00 | 34.15 0.71 0.00 | 33.46 0.72 0.00 | 34.05 0.79 0.00 | 44.83 1.06 0.00 | 32.25 0.81 0.00 | 32.78 0.87 0.00 | 33.30 0.95 0.00 | 35.81 1.14 0.00 | 50.13 1.70 0.00 | 52.81 1.61 0.00 | 56.17 1.58 0.00 | 51.71 1.49 0.00 | 67.64 2.12 0.00 | 75.08 2.38 0.00 | 61.38 1.83 0.00 | 61.21 1.83 0.00 | 43.68 1.22 0.00 | 41.67 1.08 0.00 | 46.38 1.02 0.00 | 42.80 0.88 0.00 |
| INGHAM_C_115KV_TB7 356103 | 36.52 2.05 0.00 | 36.08 2.04 0.00 | 36.01 2.04 0.00 | 38.23 2.01 0.00 | 35.12 1.68 0.00 | 34.38 1.65 0.00 | 34.94 1.68 0.00 | 45.96 2.18 0.00 | 32.97 1.52 0.00 | 33.57 1.66 0.00 | 34.06 1.72 0.00 | 36.44 1.78 0.00 | 50.95 2.51 0.00 | 54.13 2.92 0.00 | 57.74 3.15 0.00 | 52.93 2.71 0.00 | 69.12 3.60 0.00 | 76.64 3.95 0.00 | 62.68 3.13 0.00 | 62.55 3.17 0.00 | 45.25 2.79 0.00 | 43.19 2.60 0.00 | 48.06 2.70 0.00 | 44.19 2.27 0.00 |
| IP CORINTH___1 23988 | 36.16 1.69 0.00 | 35.81 1.77 0.00 | 35.79 1.83 0.00 | 38.17 1.94 0.00 | 35.34 1.90 0.00 | 34.71 1.97 0.00 | 35.32 2.06 0.00 | 46.47 2.70 0.00 | 33.26 1.81 0.00 | 33.83 1.91 0.00 | 34.27 1.93 0.00 | 36.73 2.06 0.00 | 51.38 2.94 0.00 | 54.59 3.38 0.00 | 58.39 3.81 0.00 | 53.23 3.01 0.00 | 69.79 4.27 0.00 | 77.01 4.31 0.00 | 62.68 3.13 0.00 | 62.44 3.06 0.00 | 44.83 2.37 0.00 | 42.76 2.17 0.00 | 47.82 2.47 0.00 | 43.99 2.07 0.00 |
| IP___TICONDEROGA 23804 | 37.84 3.37 0.00 | 37.32 3.28 0.00 | 37.39 3.42 0.00 | 39.96 3.74 0.00 | 36.91 3.47 0.00 | 36.42 3.68 0.00 | 37.04 3.77 0.00 | 48.81 5.03 0.00 | 34.66 3.22 0.00 | 35.25 3.33 0.00 | 35.71 3.36 0.00 | 38.26 3.60 0.00 | 53.59 5.15 0.00 | 57.73 6.52 0.00 | 61.95 7.37 0.00 | 55.64 5.42 0.00 | 73.72 8.21 0.00 | 80.89 8.19 0.00 | 65.34 5.79 0.00 | 65.21 5.83 0.00 | 46.81 4.35 0.00 | 44.86 4.27 0.00 | 50.41 5.06 0.00 | 46.04 4.12 0.00 |
| ISLIP_RES_REC 323679 | 36.24 1.77 0.00 | 35.62 1.59 0.00 | 35.44 1.47 0.00 | 37.69 1.47 0.00 | 34.87 1.43 0.00 | 34.20 1.46 0.00 | 34.68 1.41 0.00 | 45.31 1.53 0.00 | 32.65 1.20 0.00 | 33.40 1.23 0.00 | 34.27 1.93 0.00 | 49.17 2.09 -12.42 | 54.39 3.19 -2.76 | 55.07 2.98 -0.88 | 58.21 2.82 -0.80 | 59.23 2.60 -6.41 | 81.40 3.59 -12.30 | 102.95 4.28 -25.97 | 72.63 3.31 -9.76 | 69.11 3.24 -6.49 | 44.53 2.06 -0.01 | 42.56 1.97 0.00 | 47.13 1.78 0.00 | 43.41 1.49 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| JAMAICA__27_KV_LOAD 355505 | 35.83 1.36 0.00 | 35.31 1.27 0.00 | 35.14 1.17 0.00 | 37.47 1.25 0.00 | 34.58 1.14 0.00 | 33.91 1.18 0.00 | 34.55 1.29 0.00 | 45.46 1.69 0.00 | 32.76 1.31 0.00 | 33.33 1.41 0.00 | 33.79 1.44 0.00 | 36.35 1.69 0.00 | 50.86 2.42 0.00 | 53.54 2.33 0.00 | 56.93 2.35 0.00 | 52.45 2.22 0.00 | 68.47 2.96 0.00 | 76.05 3.36 0.00 | 62.22 2.67 0.00 | 62.20 2.82 0.00 | 44.34 1.88 0.00 | 42.25 1.66 0.00 | 46.98 1.62 0.00 | 43.31 1.38 0.00 |
| JANIS__SOLAR 323808 | 35.63 1.16 0.00 | 35.10 1.06 0.00 | 34.93 0.96 0.00 | 37.28 1.06 0.00 | 34.26 0.82 0.00 | 33.63 0.89 0.00 | 34.10 0.84 0.00 | 44.85 1.08 0.00 | 32.28 0.83 0.00 | 32.80 0.89 0.00 | 33.21 0.86 0.00 | 35.31 0.64 0.00 | 49.58 1.14 0.00 | 52.16 0.95 0.00 | 55.63 1.05 0.00 | 51.19 0.96 0.00 | 66.67 1.15 0.00 | 74.58 1.88 0.00 | 61.55 2.01 0.00 | 61.39 2.01 0.00 | 43.96 1.51 0.00 | 41.90 1.31 0.00 | 46.78 1.43 0.00 | 43.16 1.23 0.00 |
| JARVIS____ 23743 | 34.47 0.00 0.00 | 34.04 0.00 0.00 | 33.97 0.00 0.00 | 36.23 0.00 0.00 | 33.44 0.00 0.00 | 32.75 0.02 0.00 | 33.27 0.01 0.00 | 43.77 0.00 0.00 | 31.45 0.00 0.00 | 31.93 0.02 0.00 | 32.35 0.01 0.00 | 34.68 0.02 0.00 | 48.49 0.05 0.00 | 51.27 0.06 0.00 | 54.67 0.09 0.00 | 50.26 0.04 0.00 | 65.58 0.07 0.00 | 72.72 0.03 0.00 | 59.50 -0.05 0.00 | 59.37 -0.01 0.00 | 42.47 0.01 0.00 | 40.59 -0.01 0.00 | 45.30 -0.06 0.00 | 41.85 -0.07 0.00 |
| JENNISON____1 23625 | 36.00 1.53 0.00 | 35.45 1.41 0.00 | 35.20 1.23 0.00 | 37.61 1.38 0.00 | 34.47 1.03 0.00 | 33.69 0.95 0.00 | 33.85 0.59 0.00 | 44.58 0.80 0.00 | 32.13 0.68 0.00 | 32.65 0.74 0.00 | 33.36 1.01 0.00 | 35.58 0.91 0.00 | 49.65 1.21 0.00 | 51.86 0.65 0.00 | 54.73 0.15 0.00 | 50.15 -0.08 0.00 | 65.63 0.11 0.00 | 73.95 1.25 0.00 | 61.22 1.67 0.00 | 60.99 1.61 0.00 | 43.84 1.38 0.00 | 41.86 1.26 0.00 | 46.72 1.36 0.00 | 43.13 1.20 0.00 |
| JENNISON____2 23626 | 36.00 1.53 0.00 | 35.45 1.41 0.00 | 35.20 1.23 0.00 | 37.61 1.38 0.00 | 34.47 1.03 0.00 | 33.69 0.95 0.00 | 33.85 0.59 0.00 | 44.58 0.80 0.00 | 32.13 0.68 0.00 | 32.65 0.74 0.00 | 33.36 1.01 0.00 | 35.58 0.91 0.00 | 49.65 1.21 0.00 | 51.86 0.65 0.00 | 54.73 0.15 0.00 | 50.15 -0.08 0.00 | 65.63 0.11 0.00 | 73.95 1.25 0.00 | 61.22 1.67 0.00 | 60.99 1.61 0.00 | 43.84 1.38 0.00 | 41.86 1.26 0.00 | 46.72 1.36 0.00 | 43.13 1.20 0.00 |
| JERICOHO_RISE_WT_PWR 323719 | 35.27 0.80 0.00 | 34.82 0.78 0.00 | 34.75 0.78 0.00 | 37.03 0.80 0.00 | 34.10 0.67 0.00 | 33.34 0.61 0.00 | 33.85 0.59 0.00 | 44.72 0.94 0.00 | 32.04 0.60 0.00 | 32.35 0.43 0.00 | 32.73 0.39 0.00 | 35.02 0.35 0.00 | 48.75 0.31 0.00 | 51.44 0.23 0.00 | 54.83 0.25 0.00 | 50.69 0.47 0.00 | 66.26 0.75 0.00 | 73.75 1.05 0.00 | 60.60 1.05 0.00 | 60.43 1.05 0.00 | 43.16 0.70 0.00 | 41.47 0.87 0.00 | 46.65 1.29 0.00 | 43.23 1.31 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 35.49 1.02 0.00 | 35.01 0.97 0.00 | 34.86 0.89 0.00 | 37.18 0.95 0.00 | 34.32 0.89 0.00 | 33.64 0.91 0.00 | 34.22 0.96 0.00 | 45.05 1.28 0.00 | 32.43 0.98 0.00 | 32.97 1.06 0.00 | 33.49 1.14 0.00 | 36.01 1.34 0.00 | 50.43 1.99 0.00 | 53.16 1.96 0.00 | 56.54 1.96 0.00 | 52.04 1.82 0.00 | 68.07 2.56 0.00 | 75.59 2.89 0.00 | 61.78 2.23 0.00 | 61.60 2.22 0.00 | 43.95 1.50 0.00 | 41.91 1.32 0.00 | 46.61 1.26 0.00 | 42.99 1.07 0.00 |
| KCE_NY_1 323755 | 35.74 1.27 0.00 | 35.36 1.32 0.00 | 35.35 1.39 0.00 | 37.62 1.39 0.00 | 34.83 1.39 0.00 | 34.21 1.47 0.00 | 34.76 1.50 0.00 | 45.83 2.05 0.00 | 32.80 1.35 0.00 | 33.34 1.43 0.00 | 33.74 1.39 0.00 | 36.14 1.47 0.00 | 50.56 2.12 0.00 | 53.65 2.45 0.00 | 57.36 2.77 0.00 | 52.43 2.20 0.00 | 68.65 3.14 0.00 | 75.91 3.21 0.00 | 61.89 2.34 0.00 | 61.66 2.28 0.00 | 44.26 1.81 0.00 | 42.11 1.52 0.00 | 47.06 1.71 0.00 | 43.37 1.45 0.00 |
| KCE_NY_6_ESR 323823 | 33.61 -0.86 0.00 | 33.22 -0.82 0.00 | 33.10 -0.87 0.00 | 35.54 -0.69 0.00 | 32.46 -0.98 0.00 | 31.76 -0.97 0.00 | 32.13 -1.13 0.00 | 42.04 -1.73 0.00 | 29.71 -1.74 0.00 | 30.21 -1.70 0.00 | 30.74 -1.61 0.00 | 32.99 -1.68 0.00 | 45.83 -2.61 0.00 | 48.33 -2.88 0.00 | 52.01 -2.58 0.00 | 47.93 -2.30 0.00 | 61.45 -4.07 0.00 | 68.45 -4.24 0.00 | 56.32 -3.22 0.00 | 55.79 -3.59 0.00 | 40.41 -2.05 0.00 | 38.57 -2.02 0.00 | 43.73 -1.63 0.00 | 40.84 -1.08 0.00 |
| KEDC PORT_JEFF_GT2 24210 | 36.02 1.55 0.00 | 35.40 1.36 0.00 | 35.21 1.25 0.00 | 37.45 1.23 0.00 | 34.65 1.21 0.00 | 33.98 1.25 0.00 | 34.45 1.19 0.00 | 45.00 1.23 0.00 | 32.45 1.01 0.00 | 33.20 1.03 -0.25 | 34.05 1.70 0.00 | 48.84 1.90 -12.28 | 54.09 2.93 -2.72 | 54.78 2.70 -0.88 | 57.87 2.50 -0.78 | 58.79 2.28 -6.28 | 80.77 3.17 -12.08 | 102.08 3.79 -25.59 | 72.05 2.91 -9.59 | 68.57 2.82 -6.37 | 44.26 1.80 -0.01 | 42.32 1.73 0.00 | 46.89 1.53 0.00 | 43.19 1.26 0.00 |
| KEDC PORT_JEFF_GT3 24211 | 36.02 1.55 0.00 | 35.40 1.36 0.00 | 35.21 1.25 0.00 | 37.45 1.23 0.00 | 34.65 1.21 0.00 | 33.98 1.25 0.00 | 34.45 1.19 0.00 | 45.00 1.23 0.00 | 32.45 1.01 0.00 | 33.20 1.03 -0.25 | 34.05 1.70 0.00 | 48.84 1.90 -12.28 | 54.09 2.93 -2.72 | 54.78 2.70 -0.88 | 57.87 2.50 -0.78 | 58.79 2.28 -6.28 | 80.77 3.17 -12.08 | 102.08 3.79 -25.59 | 72.05 2.91 -9.59 | 68.57 2.82 -6.37 | 44.26 1.80 -0.01 | 42.32 1.73 0.00 | 46.89 1.53 0.00 | 43.19 1.26 0.00 |
| KEDC_GLWD_GT4 24219 | 35.77 1.30 0.00 | 35.24 1.20 0.00 | 35.08 1.11 0.00 | 37.39 1.17 0.00 | 34.53 1.09 0.00 | 33.84 1.11 0.00 | 34.38 1.12 0.00 | 45.15 1.37 0.00 | 32.51 1.06 0.00 | 33.07 1.16 0.00 | 33.80 1.46 0.00 | 57.73 1.70 -21.37 | 55.66 2.48 -4.74 | 55.11 2.38 -1.52 | 56.91 2.33 0.00 | 52.40 2.17 0.00 | 73.45 2.98 -4.95 | 103.73 3.43 -27.61 | 64.87 2.65 -2.67 | 62.02 2.63 0.00 | 44.23 1.77 0.00 | 42.21 1.62 0.00 | 46.88 1.53 0.00 | 43.23 1.31 0.00 |
| KEDC_GLWD_GT5 24220 | 35.77 1.30 0.00 | 35.24 1.20 0.00 | 35.08 1.11 0.00 | 37.39 1.17 0.00 | 34.53 1.09 0.00 | 33.84 1.11 0.00 | 34.38 1.12 0.00 | 45.15 1.37 0.00 | 32.51 1.06 0.00 | 33.07 1.16 0.00 | 33.80 1.46 0.00 | 57.73 1.70 -21.37 | 55.66 2.48 -4.74 | 55.11 2.38 -1.52 | 56.91 2.33 0.00 | 52.40 2.17 0.00 | 73.45 2.98 -4.95 | 103.73 3.43 -27.61 | 64.87 2.65 -2.67 | 62.02 2.63 0.00 | 44.23 1.77 0.00 | 42.21 1.62 0.00 | 46.88 1.53 0.00 | 43.23 1.31 0.00 |
| KENSICO____ 23655 | 35.40 0.93 0.00 | 34.92 0.89 0.00 | 34.78 0.81 0.00 | 37.08 0.85 0.00 | 34.24 0.80 0.00 | 33.56 0.82 0.00 | 34.15 0.89 0.00 | 44.94 1.16 0.00 | 32.34 0.89 0.00 | 32.86 0.95 0.00 | 33.40 1.05 0.00 | 35.92 1.25 0.00 | 50.29 1.85 0.00 | 52.99 1.78 0.00 | 56.34 1.76 0.00 | 51.87 1.64 0.00 | 67.82 2.31 0.00 | 75.30 2.60 0.00 | 61.55 2.00 0.00 | 61.39 2.00 0.00 | 43.80 1.35 0.00 | 41.79 1.20 0.00 | 46.50 1.14 0.00 | 42.90 0.97 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 35.54 1.08 0.00 | 35.04 1.00 0.00 | 34.89 0.93 0.00 | 37.21 0.99 0.00 | 34.36 0.92 0.00 | 33.67 0.94 0.00 | 34.26 1.00 0.00 | 45.14 1.37 0.00 | 32.50 1.05 0.00 | 33.02 1.11 0.00 | 33.50 1.16 0.00 | 36.01 1.34 0.00 | 50.54 2.10 0.00 | 53.35 2.14 0.00 | 56.73 2.15 0.00 | 52.25 2.02 0.00 | 68.34 2.82 0.00 | 75.93 3.24 0.00 | 62.09 2.54 0.00 | 61.90 2.51 0.00 | 44.13 1.67 0.00 | 42.05 1.45 0.00 | 46.77 1.42 0.00 | 43.10 1.18 0.00 |

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| KIAC_JFK_GT1 23816 | 35.71 1.24 0.00 | 35.20 1.16 0.00 | 35.04 1.07 0.00 | 37.36 1.13 0.00 | 34.48 1.04 0.00 | 33.81 1.08 0.00 | 34.45 1.19 0.00 | 45.31 1.54 0.00 | 32.67 1.22 0.00 | 33.22 1.31 0.00 | 33.69 1.34 0.00 | 36.23 1.57 0.00 | 50.70 2.26 0.00 | 53.37 2.16 0.00 | 56.75 2.16 0.00 | 52.27 2.05 0.00 | 68.21 2.70 0.00 | 75.78 3.08 0.00 | 61.99 2.44 0.00 | 61.98 2.60 0.00 | 44.18 1.72 0.00 | 42.12 1.52 0.00 | 46.81 1.46 0.00 | 43.18 1.25 0.00 |
| KIAC_JFK_GT2 23817 | 35.71 1.24 0.00 | 35.20 1.16 0.00 | 35.04 1.07 0.00 | 37.36 1.13 0.00 | 34.48 1.04 0.00 | 33.81 1.08 0.00 | 34.45 1.19 0.00 | 45.31 1.54 0.00 | 32.67 1.22 0.00 | 33.22 1.31 0.00 | 33.69 1.34 0.00 | 36.23 1.57 0.00 | 50.70 2.26 0.00 | 53.37 2.16 0.00 | 56.75 2.16 0.00 | 52.27 2.05 0.00 | 68.21 2.70 0.00 | 75.78 3.08 0.00 | 61.99 2.44 0.00 | 61.98 2.60 0.00 | 44.18 1.72 0.00 | 42.12 1.52 0.00 | 46.81 1.46 0.00 | 43.18 1.25 0.00 |
| KIAC_JFK____ 323774 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.04 1.07 0.00 | 37.36 1.13 0.00 | 34.48 1.04 0.00 | 33.81 1.08 0.00 | 34.45 1.19 0.00 | 45.31 1.54 0.00 | 32.67 1.22 0.00 | 33.22 1.31 0.00 | 33.69 1.34 0.00 | 36.24 1.57 0.00 | 50.70 2.26 0.00 | 53.36 2.16 0.00 | 56.75 2.17 0.00 | 52.27 2.05 0.00 | 68.22 2.70 0.00 | 75.78 3.08 0.00 | 61.99 2.44 0.00 | 61.98 2.60 0.00 | 44.19 1.73 0.00 | 42.12 1.53 0.00 | 46.81 1.46 0.00 | 43.17 1.25 0.00 |
| KINTIGH__24_KV_GSU 356498 | 33.33 -1.13 0.00 | 32.99 -1.05 0.00 | 32.88 -1.09 0.00 | 35.26 -0.96 0.00 | 32.31 -1.13 0.00 | 31.59 -1.14 0.00 | 32.00 -1.26 0.00 | 41.93 -1.85 0.00 | 29.66 -1.79 0.00 | 30.16 -1.75 0.00 | 30.66 -1.68 0.00 | 32.89 -1.78 0.00 | 45.80 -2.64 0.00 | 48.29 -2.91 0.00 | 51.73 -2.85 0.00 | 47.74 -2.49 0.00 | 61.36 -4.16 0.00 | 68.23 -4.47 0.00 | 56.03 -3.52 0.00 | 55.60 -3.79 0.00 | 40.14 -2.32 0.00 | 38.35 -2.24 0.00 | 43.36 -1.99 0.00 | 40.49 -1.44 0.00 |
| KINTIGH____ 23543 | 33.31 -1.16 0.00 | 32.97 -1.07 0.00 | 32.87 -1.10 0.00 | 35.24 -0.99 0.00 | 32.28 -1.15 0.00 | 31.57 -1.16 0.00 | 31.98 -1.29 0.00 | 41.89 -1.88 0.00 | 29.64 -1.81 0.00 | 30.15 -1.76 0.00 | 30.65 -1.70 0.00 | 32.87 -1.80 0.00 | 45.77 -2.67 0.00 | 48.27 -2.94 0.00 | 51.69 -2.89 0.00 | 47.71 -2.51 0.00 | 61.34 -4.18 0.00 | 68.19 -4.51 0.00 | 56.00 -3.55 0.00 | 55.55 -3.84 0.00 | 40.12 -2.33 0.00 | 38.32 -2.27 0.00 | 43.35 -2.01 0.00 | 40.46 -1.46 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 35.61 1.14 0.00 | 35.15 1.11 0.00 | 35.05 1.08 0.00 | 37.36 1.13 0.00 | 34.40 0.96 0.00 | 33.64 0.91 0.00 | 34.16 0.90 0.00 | 45.11 1.34 0.00 | 32.31 0.86 0.00 | 32.52 0.61 0.00 | 32.84 0.49 0.00 | 35.11 0.44 0.00 | 48.74 0.30 0.00 | 51.44 0.23 0.00 | 54.84 0.26 0.00 | 50.68 0.46 0.00 | 66.29 0.77 0.00 | 73.85 1.15 0.00 | 60.71 1.16 0.00 | 60.48 1.10 0.00 | 43.19 0.73 0.00 | 41.58 0.99 0.00 | 46.98 1.63 0.00 | 43.54 1.61 0.00 |
| LACHUTE____HYDRO 323717 | 37.84 3.37 0.00 | 37.33 3.28 0.00 | 37.39 3.42 0.00 | 39.96 3.74 0.00 | 36.91 3.48 0.00 | 36.42 3.68 0.00 | 37.04 3.77 0.00 | 48.81 5.03 0.00 | 34.66 3.22 0.00 | 35.25 3.33 0.00 | 35.71 3.36 0.00 | 38.26 3.60 0.00 | 53.59 5.15 0.00 | 57.73 6.52 0.00 | 61.95 7.37 0.00 | 55.64 5.42 0.00 | 73.72 8.21 0.00 | 80.88 8.19 0.00 | 65.34 5.79 0.00 | 65.21 5.83 0.00 | 46.81 4.35 0.00 | 44.86 4.27 0.00 | 50.41 5.06 0.00 | 46.04 4.12 0.00 |
| LAWRNCALV_115KV_TB1 80681 | 35.74 1.28 0.00 | 35.29 1.25 0.00 | 35.20 1.24 0.00 | 37.54 1.31 0.00 | 34.61 1.17 0.00 | 33.85 1.12 0.00 | 34.48 1.22 0.00 | 45.58 1.81 0.00 | 32.71 1.26 0.00 | 33.12 1.20 0.00 | 33.58 1.23 0.00 | 35.99 1.32 0.00 | 50.25 1.81 0.00 | 53.02 1.81 0.00 | 56.46 1.88 0.00 | 52.20 1.98 0.00 | 68.23 2.71 0.00 | 75.95 3.26 0.00 | 62.38 2.84 0.00 | 62.14 2.75 0.00 | 44.32 1.86 0.00 | 42.46 1.87 0.00 | 47.56 2.21 0.00 | 44.02 2.10 0.00 |
| LEDERLE____ 23769 | 35.44 0.97 0.00 | 34.96 0.92 0.00 | 34.82 0.86 0.00 | 37.14 0.91 0.00 | 34.27 0.84 0.00 | 33.58 0.85 0.00 | 34.19 0.93 0.00 | 45.02 1.25 0.00 | 32.39 0.95 0.00 | 32.91 1.00 0.00 | 33.43 1.08 0.00 | 35.95 1.28 0.00 | 50.35 1.91 0.00 | 53.04 1.83 0.00 | 56.41 1.83 0.00 | 51.97 1.74 0.00 | 68.00 2.48 0.00 | 75.50 2.81 0.00 | 61.73 2.18 0.00 | 61.56 2.17 0.00 | 43.91 1.46 0.00 | 41.88 1.29 0.00 | 46.61 1.26 0.00 | 43.02 1.10 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 34.09 -0.37 0.00 | 33.61 -0.43 0.00 | 33.45 -0.51 0.00 | 35.70 -0.52 0.00 | 32.97 -0.47 0.00 | 32.22 -0.52 0.00 | 32.71 -0.55 0.00 | 43.07 -0.71 0.00 | 31.08 -0.37 0.00 | 31.61 -0.30 0.00 | 32.11 -0.24 0.00 | 34.42 -0.25 0.00 | 48.07 -0.37 0.00 | 50.80 -0.40 0.00 | 54.20 -0.38 0.00 | 49.97 -0.25 0.00 | 65.13 -0.39 0.00 | 72.34 -0.35 0.00 | 59.16 -0.39 0.00 | 58.88 -0.50 0.00 | 42.11 -0.35 0.00 | 40.20 -0.39 0.00 | 44.81 -0.54 0.00 | 41.30 -0.62 0.00 |
| LINDEN COGEN____ 23786 | 35.56 1.10 0.00 | 35.06 1.02 0.00 | 34.85 0.88 0.00 | 37.15 0.93 0.00 | 34.30 0.86 0.00 | 33.62 0.88 0.00 | 34.23 0.96 0.00 | 45.05 1.28 0.00 | 32.42 0.98 0.00 | 32.98 1.07 0.00 | 33.49 1.14 0.00 | 36.02 1.35 0.00 | 50.41 1.97 0.00 | 53.08 1.87 0.00 | 56.43 1.85 0.00 | 51.99 1.76 0.00 | 67.94 2.43 0.00 | 75.53 2.83 0.00 | 61.78 2.23 0.00 | 61.64 2.26 0.00 | 43.97 1.51 0.00 | 41.94 1.34 0.00 | 46.63 1.28 0.00 | 43.03 1.10 0.00 |
| LINDHRST_69_KV_BK1 356055 | 36.16 1.70 0.00 | 35.56 1.52 0.00 | 35.38 1.42 0.00 | 37.69 1.47 0.00 | 34.83 1.39 0.00 | 34.13 1.40 0.00 | 34.63 1.37 0.00 | 45.33 1.56 0.00 | 32.64 1.20 0.00 | 33.23 1.26 -0.06 | 34.20 1.85 0.00 | 51.19 2.17 -14.35 | 54.87 3.25 -3.18 | 55.35 3.12 -1.02 | 57.83 3.06 -0.19 | 54.56 2.83 -1.51 | 74.91 3.86 -5.54 | 97.98 4.41 -20.87 | 66.79 3.52 -3.72 | 64.37 3.46 -1.52 | 44.73 2.28 0.00 | 42.69 2.10 0.00 | 47.31 1.95 0.00 | 43.58 1.65 0.00 |
| LIPA_MISC_IPP 23656 | 36.06 1.59 0.00 | 35.42 1.38 0.00 | 35.24 1.27 0.00 | 37.47 1.24 0.00 | 34.68 1.25 0.00 | 34.03 1.30 0.00 | 34.48 1.22 0.00 | 45.00 1.22 0.00 | 32.47 1.02 0.00 | 33.26 1.03 -0.31 | 34.03 1.68 0.00 | 48.73 1.85 -12.21 | 54.03 2.89 -2.71 | 54.70 2.63 -0.87 | 57.98 2.43 -0.97 | 60.22 2.18 -7.81 | 82.89 3.06 -14.31 | 104.23 3.67 -27.87 | 73.86 2.77 -11.54 | 70.02 2.72 -7.92 | 44.16 1.69 -0.01 | 42.25 1.66 0.00 | 46.86 1.50 0.00 | 43.14 1.22 0.00 |
| LISF____SOLAR 323691 | 36.11 1.64 0.00 | 35.49 1.45 0.00 | 35.29 1.33 0.00 | 37.53 1.30 0.00 | 34.73 1.29 0.00 | 34.08 1.34 0.00 | 34.54 1.28 0.00 | 45.06 1.28 0.00 | 32.51 1.06 0.00 | 33.27 1.06 -0.30 | 34.07 1.72 0.00 | 48.82 1.92 -12.23 | 54.14 2.99 -2.71 | 54.81 2.74 -0.87 | 58.05 2.53 -0.94 | 60.06 2.29 -7.54 | 82.66 3.22 -13.92 | 104.03 3.85 -27.49 | 73.66 2.92 -11.20 | 69.88 2.85 -7.64 | 44.25 1.78 -0.01 | 42.34 1.75 0.00 | 46.95 1.59 0.00 | 43.22 1.30 0.00 |
| LITTLE FALLS____HYD 24013 | 36.52 2.05 0.00 | 36.08 2.04 0.00 | 36.01 2.04 0.00 | 38.23 2.01 0.00 | 35.12 1.68 0.00 | 34.38 1.65 0.00 | 34.94 1.68 0.00 | 45.96 2.18 0.00 | 32.97 1.52 0.00 | 33.57 1.66 0.00 | 34.06 1.72 0.00 | 36.44 1.78 0.00 | 50.95 2.51 0.00 | 54.13 2.92 0.00 | 57.74 3.15 0.00 | 52.93 2.71 0.00 | 69.12 3.60 0.00 | 76.64 3.95 0.00 | 62.68 3.13 0.00 | 62.55 3.17 0.00 | 45.25 2.79 0.00 | 43.19 2.60 0.00 | 48.06 2.70 0.00 | 44.19 2.27 0.00 |

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| LITTLRIV_115KV_TB1 356100 | 36.18 1.71 0.00 | 35.70 1.66 0.00 | 35.62 1.65 0.00 | 37.97 1.75 0.00 | 35.02 1.58 0.00 | 34.26 1.53 0.00 | 34.92 1.66 0.00 | 46.20 2.42 0.00 | 33.13 1.68 0.00 | 33.56 1.65 0.00 | 34.04 1.70 0.00 | 36.50 1.83 0.00 | 51.01 2.57 0.00 | 53.81 2.60 0.00 | 57.31 2.73 0.00 | 53.04 2.81 0.00 | 69.36 3.84 0.00 | 77.30 4.60 0.00 | 63.47 3.92 0.00 | 63.13 3.75 0.00 | 44.98 2.53 0.00 | 43.08 2.48 0.00 | 48.24 2.89 0.00 | 44.63 2.71 0.00 |
| LI_NEWBRDGE___DRP 323616 | 35.60 1.13 0.00 | 35.04 1.00 0.00 | 34.88 0.91 0.00 | 37.18 0.95 0.00 | 34.35 0.91 0.00 | 33.67 0.93 0.00 | 34.15 0.89 0.00 | 44.76 0.98 0.00 | 32.23 0.79 0.00 | 32.77 0.85 0.00 | 33.68 1.34 0.00 | 47.59 1.54 -11.39 | 53.25 2.29 -2.53 | 54.14 2.13 -0.81 | 56.54 1.96 0.00 | 52.05 1.82 0.00 | 70.67 2.51 -2.64 | 90.34 2.94 -14.71 | 63.22 2.25 -1.42 | 61.59 2.21 0.00 | 43.90 1.45 0.00 | 41.95 1.36 0.00 | 46.54 1.19 0.00 | 42.92 0.99 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 33.30 -1.17 0.00 | 32.95 -1.09 0.00 | 32.84 -1.13 0.00 | 35.24 -0.98 0.00 | 32.26 -1.18 0.00 | 31.53 -1.20 0.00 | 31.89 -1.38 0.00 | 41.69 -2.08 0.00 | 29.37 -2.07 0.00 | 29.89 -2.03 0.00 | 30.42 -1.92 0.00 | 32.62 -2.04 0.00 | 45.35 -3.09 0.00 | 47.85 -3.35 0.00 | 51.33 -3.25 0.00 | 47.41 -2.81 0.00 | 60.68 -4.83 0.00 | 67.47 -5.22 0.00 | 55.56 -3.99 0.00 | 54.99 -4.40 0.00 | 39.83 -2.63 0.00 | 38.10 -2.49 0.00 | 43.19 -2.16 0.00 | 40.63 -1.30 0.00 |
| LOCKPORT___CC1 323769 | 33.29 -1.18 0.00 | 32.94 -1.10 0.00 | 32.83 -1.14 0.00 | 35.25 -0.98 0.00 | 32.26 -1.18 0.00 | 31.53 -1.21 0.00 | 31.88 -1.38 0.00 | 41.68 -2.10 0.00 | 29.37 -2.08 0.00 | 29.88 -2.03 0.00 | 30.41 -1.94 0.00 | 32.61 -2.05 0.00 | 45.34 -3.10 0.00 | 47.82 -3.39 0.00 | 51.32 -3.27 0.00 | 47.38 -2.85 0.00 | 60.64 -4.88 0.00 | 67.44 -5.26 0.00 | 55.52 -4.03 0.00 | 54.96 -4.43 0.00 | 39.81 -2.65 0.00 | 38.07 -2.52 0.00 | 43.18 -2.18 0.00 | 40.57 -1.36 0.00 |
| LOCKPORT___CC2 323770 | 33.29 -1.18 0.00 | 32.94 -1.10 0.00 | 32.83 -1.14 0.00 | 35.25 -0.98 0.00 | 32.26 -1.18 0.00 | 31.53 -1.21 0.00 | 31.88 -1.38 0.00 | 41.68 -2.10 0.00 | 29.37 -2.08 0.00 | 29.88 -2.03 0.00 | 30.41 -1.94 0.00 | 32.61 -2.05 0.00 | 45.34 -3.10 0.00 | 47.82 -3.39 0.00 | 51.32 -3.27 0.00 | 47.38 -2.85 0.00 | 60.64 -4.88 0.00 | 67.44 -5.26 0.00 | 55.52 -4.03 0.00 | 54.96 -4.43 0.00 | 39.81 -2.65 0.00 | 38.07 -2.52 0.00 | 43.18 -2.18 0.00 | 40.57 -1.36 0.00 |
| LOCKPORT___CC3 323771 | 33.29 -1.18 0.00 | 32.94 -1.10 0.00 | 32.83 -1.14 0.00 | 35.25 -0.98 0.00 | 32.26 -1.18 0.00 | 31.53 -1.21 0.00 | 31.88 -1.38 0.00 | 41.68 -2.10 0.00 | 29.37 -2.08 0.00 | 29.88 -2.03 0.00 | 30.41 -1.94 0.00 | 32.61 -2.05 0.00 | 45.34 -3.10 0.00 | 47.82 -3.39 0.00 | 51.32 -3.27 0.00 | 47.38 -2.85 0.00 | 60.64 -4.88 0.00 | 67.44 -5.26 0.00 | 55.52 -4.03 0.00 | 54.96 -4.43 0.00 | 39.81 -2.65 0.00 | 38.07 -2.52 0.00 | 43.18 -2.18 0.00 | 40.57 -1.36 0.00 |
| LOCUSVLY_69_KV_BK2 55797 | 35.84 1.37 0.00 | 35.28 1.24 0.00 | 35.11 1.15 0.00 | 37.43 1.20 0.00 | 34.57 1.13 0.00 | 33.88 1.15 0.00 | 34.39 1.13 0.00 | 45.10 1.33 0.00 | 32.48 1.03 0.00 | 32.97 1.12 0.07 | 33.90 1.55 0.00 | 55.44 1.80 -18.97 | 55.28 2.63 -4.21 | 55.06 2.51 -1.35 | 56.79 2.42 0.21 | 50.75 2.22 1.69 | 70.47 3.05 -1.90 | 98.12 3.54 -21.89 | 62.49 2.74 -0.19 | 60.39 2.72 1.72 | 44.26 1.81 0.00 | 42.27 1.68 0.00 | 46.90 1.55 0.00 | 43.25 1.32 0.00 |
| LONG_LAKE_PHOENIX 24014 | 33.49 -0.98 0.00 | 33.03 -1.01 0.00 | 32.92 -1.05 0.00 | 35.14 -1.09 0.00 | 32.43 -1.02 0.00 | 31.74 -0.99 0.00 | 32.22 -1.04 0.00 | 42.36 -1.41 0.00 | 30.49 -0.95 0.00 | 30.98 -0.93 0.00 | 31.43 -0.92 0.00 | 33.67 -1.00 0.00 | 47.06 -1.38 0.00 | 49.76 -1.44 0.00 | 53.12 -1.46 0.00 | 48.89 -1.34 0.00 | 63.69 -1.83 0.00 | 70.68 -2.01 0.00 | 57.88 -1.67 0.00 | 57.65 -1.73 0.00 | 41.25 -1.21 0.00 | 39.37 -1.22 0.00 | 43.96 -1.39 0.00 | 40.56 -1.37 0.00 |
| LOVETT___3 23632 | 35.28 0.82 0.00 | 34.81 0.77 0.00 | 34.67 0.70 0.00 | 36.97 0.74 0.00 | 34.13 0.69 0.00 | 33.45 0.71 0.00 | 34.04 0.78 0.00 | 44.81 1.03 0.00 | 32.24 0.79 0.00 | 32.76 0.85 0.00 | 33.28 0.93 0.00 | 35.79 1.12 0.00 | 50.10 1.66 0.00 | 52.78 1.57 0.00 | 56.13 1.55 0.00 | 51.69 1.46 0.00 | 67.61 2.09 0.00 | 75.06 2.36 0.00 | 61.36 1.81 0.00 | 61.20 1.82 0.00 | 43.66 1.20 0.00 | 41.64 1.05 0.00 | 46.36 1.01 0.00 | 42.79 0.87 0.00 |
| LOVETT___4 23642 | 35.28 0.82 0.00 | 34.81 0.77 0.00 | 34.67 0.70 0.00 | 36.97 0.74 0.00 | 34.13 0.69 0.00 | 33.45 0.71 0.00 | 34.04 0.78 0.00 | 44.81 1.03 0.00 | 32.24 0.79 0.00 | 32.76 0.85 0.00 | 33.28 0.93 0.00 | 35.79 1.12 0.00 | 50.10 1.66 0.00 | 52.78 1.57 0.00 | 56.13 1.55 0.00 | 51.69 1.46 0.00 | 67.61 2.09 0.00 | 75.06 2.36 0.00 | 61.36 1.81 0.00 | 61.20 1.82 0.00 | 43.66 1.20 0.00 | 41.64 1.05 0.00 | 46.36 1.01 0.00 | 42.79 0.87 0.00 |
| LOVETT___5 23593 | 35.28 0.82 0.00 | 34.81 0.77 0.00 | 34.67 0.70 0.00 | 36.97 0.74 0.00 | 34.13 0.69 0.00 | 33.45 0.71 0.00 | 34.04 0.78 0.00 | 44.81 1.03 0.00 | 32.24 0.79 0.00 | 32.76 0.85 0.00 | 33.28 0.93 0.00 | 35.79 1.12 0.00 | 50.10 1.66 0.00 | 52.78 1.57 0.00 | 56.13 1.55 0.00 | 51.69 1.46 0.00 | 67.61 2.09 0.00 | 75.06 2.36 0.00 | 61.36 1.81 0.00 | 61.20 1.82 0.00 | 43.66 1.20 0.00 | 41.64 1.05 0.00 | 46.36 1.01 0.00 | 42.79 0.87 0.00 |
| LOWER RAQUET___HYD 24057 | 35.78 1.31 0.00 | 35.32 1.28 0.00 | 35.23 1.27 0.00 | 37.57 1.34 0.00 | 34.64 1.20 0.00 | 33.88 1.14 0.00 | 34.52 1.26 0.00 | 45.63 1.86 0.00 | 32.74 1.30 0.00 | 33.17 1.26 0.00 | 33.63 1.28 0.00 | 36.05 1.39 0.00 | 50.33 1.89 0.00 | 53.09 1.89 0.00 | 56.56 1.98 0.00 | 52.30 2.07 0.00 | 68.36 2.84 0.00 | 76.13 3.44 0.00 | 62.53 2.98 0.00 | 62.25 2.87 0.00 | 44.40 1.95 0.00 | 42.52 1.93 0.00 | 47.64 2.28 0.00 | 44.09 2.16 0.00 |
| LOWER___HUDSON 24059 | 35.04 0.57 0.00 | 34.69 0.65 0.00 | 34.68 0.71 0.00 | 36.96 0.73 0.00 | 34.24 0.80 0.00 | 33.59 0.86 0.00 | 34.12 0.86 0.00 | 44.83 1.06 0.00 | 32.12 0.67 0.00 | 32.64 0.72 0.00 | 33.00 0.65 0.00 | 35.30 0.64 0.00 | 49.36 0.92 0.00 | 52.46 1.25 0.00 | 56.09 1.50 0.00 | 51.26 1.03 0.00 | 67.07 1.56 0.00 | 74.05 1.36 0.00 | 60.43 0.88 0.00 | 60.21 0.83 0.00 | 43.15 0.69 0.00 | 41.20 0.60 0.00 | 45.97 0.62 0.00 | 42.43 0.51 0.00 |
| LOWVILLE_115KV_TB2 356335 | 35.37 0.90 0.00 | 34.89 0.85 0.00 | 34.79 0.82 0.00 | 37.07 0.84 0.00 | 34.27 0.83 0.00 | 33.54 0.80 0.00 | 34.15 0.89 0.00 | 44.99 1.22 0.00 | 32.42 0.97 0.00 | 32.93 1.02 0.00 | 33.43 1.08 0.00 | 35.91 1.24 0.00 | 50.20 1.76 0.00 | 52.98 1.77 0.00 | 56.53 1.95 0.00 | 52.29 2.07 0.00 | 68.42 2.90 0.00 | 76.01 3.31 0.00 | 62.13 2.58 0.00 | 61.79 2.40 0.00 | 44.10 1.64 0.00 | 42.08 1.49 0.00 | 46.90 1.54 0.00 | 43.23 1.30 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 35.70 1.23 0.00 | 35.33 1.29 0.00 | 35.31 1.34 0.00 | 37.62 1.39 0.00 | 34.83 1.40 0.00 | 34.19 1.46 0.00 | 34.75 1.49 0.00 | 45.74 1.97 0.00 | 32.77 1.32 0.00 | 33.31 1.40 0.00 | 33.71 1.36 0.00 | 36.11 1.44 0.00 | 50.50 2.06 0.00 | 53.62 2.41 0.00 | 57.32 2.73 0.00 | 52.41 2.18 0.00 | 68.60 3.09 0.00 | 75.81 3.11 0.00 | 61.83 2.28 0.00 | 61.59 2.21 0.00 | 44.17 1.71 0.00 | 42.10 1.51 0.00 | 47.01 1.65 0.00 | 43.33 1.41 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 35.74 1.27 0.00 | 35.36 1.32 0.00 | 35.35 1.39 0.00 | 37.62 1.39 0.00 | 34.83 1.39 0.00 | 34.21 1.47 0.00 | 34.76 1.50 0.00 | 45.83 2.05 0.00 | 32.80 1.36 0.00 | 33.34 1.43 0.00 | 33.74 1.39 0.00 | 36.14 1.47 0.00 | 50.56 2.12 0.00 | 53.65 2.44 0.00 | 57.36 2.78 0.00 | 52.43 2.21 0.00 | 68.65 3.13 0.00 | 75.91 3.21 0.00 | 61.89 2.34 0.00 | 61.66 2.28 0.00 | 44.26 1.81 0.00 | 42.11 1.52 0.00 | 47.06 1.71 0.00 | 43.37 1.45 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 35.33 0.86 0.00 | 34.85 0.81 0.00 | 34.76 0.79 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.45 0.71 0.00 | 34.07 0.81 0.00 | 44.98 1.20 0.00 | 32.36 0.91 0.00 | 32.83 0.91 0.00 | 33.31 0.96 0.00 | 35.75 1.08 0.00 | 49.96 1.52 0.00 | 52.71 1.51 0.00 | 56.18 1.60 0.00 | 51.97 1.74 0.00 | 67.99 2.47 0.00 | 75.64 2.95 0.00 | 61.96 2.41 0.00 | 61.64 2.26 0.00 | 43.97 1.51 0.00 | 42.04 1.45 0.00 | 46.98 1.62 0.00 | 43.37 1.45 0.00 |
| LYONS_FALL_HYD 23570 | 35.19 0.72 0.00 | 34.74 0.70 0.00 | 34.65 0.68 0.00 | 36.94 0.72 0.00 | 34.14 0.71 0.00 | 33.42 0.68 0.00 | 34.02 0.76 0.00 | 44.79 1.02 0.00 | 32.26 0.81 0.00 | 32.76 0.84 0.00 | 33.26 0.91 0.00 | 35.70 1.04 0.00 | 49.90 1.46 0.00 | 52.72 1.51 0.00 | 56.27 1.69 0.00 | 51.96 1.73 0.00 | 67.90 2.39 0.00 | 75.38 2.68 0.00 | 61.62 2.07 0.00 | 61.31 1.93 0.00 | 43.79 1.33 0.00 | 41.77 1.18 0.00 | 46.57 1.21 0.00 | 42.94 1.02 0.00 |
| MADISON___COUNTY_LFGE 323628 | 35.05 0.58 0.00 | 34.66 0.62 0.00 | 34.59 0.62 0.00 | 36.91 0.68 0.00 | 34.08 0.64 0.00 | 33.39 0.65 0.00 | 33.98 0.72 0.00 | 44.69 0.92 0.00 | 32.17 0.72 0.00 | 32.66 0.75 0.00 | 33.17 0.82 0.00 | 35.58 0.91 0.00 | 49.67 1.23 0.00 | 52.60 1.39 0.00 | 56.21 1.63 0.00 | 51.74 1.51 0.00 | 67.52 2.00 0.00 | 74.70 2.00 0.00 | 61.11 1.56 0.00 | 60.83 1.45 0.00 | 43.46 1.01 0.00 | 41.45 0.85 0.00 | 46.21 0.85 0.00 | 42.64 0.71 0.00 |
| MALONE___115KV_TB1 356076 | 35.75 1.28 0.00 | 35.29 1.25 0.00 | 35.20 1.24 0.00 | 37.52 1.29 0.00 | 34.56 1.12 0.00 | 33.80 1.07 0.00 | 34.38 1.12 0.00 | 45.50 1.72 0.00 | 32.63 1.18 0.00 | 32.99 1.07 0.00 | 33.41 1.07 0.00 | 35.77 1.11 0.00 | 49.84 1.40 0.00 | 52.59 1.39 0.00 | 56.06 1.47 0.00 | 51.83 1.60 0.00 | 67.76 2.25 0.00 | 75.50 2.81 0.00 | 62.05 2.50 0.00 | 61.82 2.43 0.00 | 44.10 1.64 0.00 | 42.29 1.70 0.00 | 47.46 2.11 0.00 | 43.93 2.01 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 34.86 0.39 0.00 | 34.52 0.48 0.00 | 34.50 0.53 0.00 | 36.78 0.56 0.00 | 34.06 0.62 0.00 | 33.38 0.64 0.00 | 33.87 0.61 0.00 | 44.52 0.74 0.00 | 31.97 0.53 0.00 | 32.46 0.55 0.00 | 32.85 0.50 0.00 | 35.18 0.52 0.00 | 49.17 0.73 0.00 | 52.20 0.99 0.00 | 55.76 1.18 0.00 | 51.06 0.83 0.00 | 66.74 1.23 0.00 | 73.78 1.08 0.00 | 60.26 0.71 0.00 | 60.07 0.68 0.00 | 43.02 0.56 0.00 | 41.06 0.47 0.00 | 45.78 0.42 0.00 | 42.27 0.35 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 34.61 0.14 0.00 | 34.18 0.14 0.00 | 34.11 0.14 0.00 | 36.37 0.15 0.00 | 33.56 0.12 0.00 | 32.84 0.10 0.00 | 33.38 0.12 0.00 | 43.93 0.16 0.00 | 31.53 0.08 0.00 | 32.00 0.08 0.00 | 32.44 0.10 0.00 | 34.75 0.09 0.00 | 48.56 0.12 0.00 | 51.26 0.05 0.00 | 54.64 0.06 0.00 | 50.24 0.02 0.00 | 65.46 -0.05 0.00 | 72.67 -0.03 0.00 | 59.54 -0.01 0.00 | 59.68 0.30 0.00 | 42.67 0.21 0.00 | 40.82 0.23 0.00 | 45.65 0.29 0.00 | 42.21 0.29 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 34.61 0.14 0.00 | 34.18 0.14 0.00 | 34.11 0.14 0.00 | 36.37 0.15 0.00 | 33.56 0.12 0.00 | 32.84 0.10 0.00 | 33.38 0.12 0.00 | 43.93 0.16 0.00 | 31.53 0.08 0.00 | 32.00 0.08 0.00 | 32.44 0.10 0.00 | 34.75 0.09 0.00 | 48.56 0.12 0.00 | 51.26 0.05 0.00 | 54.64 0.06 0.00 | 50.24 0.02 0.00 | 65.46 -0.05 0.00 | 72.67 -0.03 0.00 | 59.54 -0.01 0.00 | 59.68 0.30 0.00 | 42.67 0.21 0.00 | 40.82 0.23 0.00 | 45.65 0.29 0.00 | 42.21 0.29 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 35.25 0.78 0.00 | 34.81 0.77 0.00 | 34.72 0.75 0.00 | 37.02 0.79 0.00 | 34.08 0.64 0.00 | 33.33 0.59 0.00 | 33.83 0.57 0.00 | 44.67 0.89 0.00 | 32.00 0.55 0.00 | 32.28 0.37 0.00 | 32.63 0.28 0.00 | 34.91 0.24 0.00 | 48.57 0.13 0.00 | 51.25 0.04 0.00 | 54.65 0.07 0.00 | 50.51 0.29 0.00 | 66.01 0.50 0.00 | 73.45 0.75 0.00 | 60.36 0.81 0.00 | 60.18 0.80 0.00 | 42.98 0.53 0.00 | 41.32 0.73 0.00 | 46.55 1.19 0.00 | 43.14 1.22 0.00 |
| MARSHVLE_115KV_TB1 80742 | 34.60 0.14 0.00 | 34.12 0.08 0.00 | 33.96 -0.01 0.00 | 36.09 -0.14 0.00 | 33.22 -0.21 0.00 | 32.48 -0.25 0.00 | 33.07 -0.19 0.00 | 43.59 -0.19 0.00 | 31.36 -0.09 0.00 | 31.85 -0.06 0.00 | 32.32 -0.03 0.00 | 34.58 -0.09 0.00 | 48.39 -0.05 0.00 | 51.20 0.00 0.00 | 54.49 -0.09 0.00 | 50.29 0.06 0.00 | 65.55 0.04 0.00 | 72.84 0.14 0.00 | 59.70 0.15 0.00 | 59.66 0.28 0.00 | 42.92 0.47 0.00 | 40.93 0.34 0.00 | 45.67 0.31 0.00 | 42.18 0.26 0.00 |
| MARSH_HILL_WT_PWR 323713 | 33.90 -0.57 0.00 | 33.36 -0.68 0.00 | 33.25 -0.71 0.00 | 35.72 -0.51 0.00 | 32.62 -0.82 0.00 | 31.88 -0.85 0.00 | 32.24 -1.02 0.00 | 42.02 -1.76 0.00 | 30.17 -1.27 0.00 | 30.70 -1.21 0.00 | 31.30 -1.05 0.00 | 33.60 -1.07 0.00 | 46.63 -1.81 0.00 | 49.00 -2.21 0.00 | 53.29 -1.30 0.00 | 48.87 -1.35 0.00 | 62.83 -2.69 0.00 | 69.94 -2.76 0.00 | 57.81 -1.74 0.00 | 57.33 -2.05 0.00 | 41.38 -1.08 0.00 | 39.29 -1.30 0.00 | 44.50 -0.86 0.00 | 41.27 -0.65 0.00 |
| MCINTYRE_115KV_TB2 80467 | 36.34 1.87 0.00 | 35.87 1.83 0.00 | 35.79 1.82 0.00 | 38.16 1.93 0.00 | 35.19 1.75 0.00 | 34.42 1.69 0.00 | 35.10 1.84 0.00 | 46.42 2.65 0.00 | 33.29 1.84 0.00 | 33.72 1.81 0.00 | 34.22 1.87 0.00 | 36.68 2.01 0.00 | 51.26 2.82 0.00 | 54.10 2.90 0.00 | 57.60 3.01 0.00 | 53.31 3.08 0.00 | 69.74 4.23 0.00 | 77.70 5.01 0.00 | 63.80 4.25 0.00 | 63.47 4.09 0.00 | 45.21 2.76 0.00 | 43.30 2.70 0.00 | 48.48 3.12 0.00 | 44.86 2.94 0.00 |
| MECO_____69_KV_BK1 80468 | 35.44 0.97 0.00 | 34.95 0.92 0.00 | 34.83 0.87 0.00 | 37.06 0.84 0.00 | 34.19 0.75 0.00 | 33.48 0.75 0.00 | 34.08 0.82 0.00 | 44.94 1.17 0.00 | 32.31 0.87 0.00 | 32.77 0.85 0.00 | 33.23 0.88 0.00 | 35.61 0.94 0.00 | 49.79 1.35 0.00 | 52.87 1.67 0.00 | 56.31 1.73 0.00 | 51.95 1.72 0.00 | 67.90 2.39 0.00 | 75.40 2.71 0.00 | 61.69 2.14 0.00 | 61.54 2.15 0.00 | 44.12 1.66 0.00 | 42.00 1.41 0.00 | 46.81 1.46 0.00 | 43.16 1.24 0.00 |
| MENANDS___115KV_TB5 355628 | 34.67 0.20 0.00 | 34.35 0.31 0.00 | 34.33 0.37 0.00 | 36.62 0.39 0.00 | 33.93 0.49 0.00 | 33.23 0.50 0.00 | 33.73 0.46 0.00 | 44.30 0.52 0.00 | 31.82 0.37 0.00 | 32.29 0.38 0.00 | 32.67 0.32 0.00 | 34.98 0.31 0.00 | 48.89 0.45 0.00 | 51.91 0.70 0.00 | 55.44 0.86 0.00 | 50.76 0.53 0.00 | 66.34 0.83 0.00 | 73.32 0.62 0.00 | 59.89 0.34 0.00 | 59.70 0.32 0.00 | 42.76 0.30 0.00 | 40.83 0.24 0.00 | 45.53 0.17 0.00 | 42.06 0.14 0.00 |
| MG INDUSTRY___DRP 24185 | 34.74 0.28 0.00 | 34.39 0.35 0.00 | 34.38 0.41 0.00 | 36.67 0.45 0.00 | 33.95 0.51 0.00 | 33.24 0.50 0.00 | 33.73 0.47 0.00 | 44.32 0.54 0.00 | 31.83 0.39 0.00 | 32.31 0.40 0.00 | 32.70 0.35 0.00 | 35.00 0.34 0.00 | 48.89 0.45 0.00 | 51.82 0.62 0.00 | 55.34 0.76 0.00 | 50.75 0.53 0.00 | 66.28 0.76 0.00 | 73.34 0.65 0.00 | 59.95 0.40 0.00 | 59.78 0.40 0.00 | 42.80 0.34 0.00 | 40.89 0.30 0.00 | 45.61 0.25 0.00 | 42.13 0.21 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 35.33 0.86 0.00 | 34.85 0.81 0.00 | 34.76 0.79 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.45 0.71 0.00 | 34.07 0.81 0.00 | 44.98 1.20 0.00 | 32.36 0.91 0.00 | 32.83 0.91 0.00 | 33.31 0.96 0.00 | 35.75 1.08 0.00 | 49.96 1.52 0.00 | 52.71 1.51 0.00 | 56.18 1.60 0.00 | 51.97 1.74 0.00 | 67.99 2.47 0.00 | 75.64 2.95 0.00 | 61.96 2.41 0.00 | 61.64 2.26 0.00 | 43.97 1.51 0.00 | 42.04 1.45 0.00 | 46.98 1.62 0.00 | 43.37 1.45 0.00 |
| MID___RAQUETTE_HYD 23851 | 35.78 1.31 0.00 | 35.32 1.28 0.00 | 35.23 1.27 0.00 | 37.56 1.34 0.00 | 34.64 1.20 0.00 | 33.88 1.14 0.00 | 34.52 1.26 0.00 | 45.63 1.86 0.00 | 32.74 1.30 0.00 | 33.17 1.26 0.00 | 33.63 1.28 0.00 | 36.05 1.39 0.00 | 50.33 1.89 0.00 | 53.09 1.89 0.00 | 56.56 1.98 0.00 | 52.30 2.07 0.00 | 68.36 2.85 0.00 | 76.13 3.44 0.00 | 62.53 2.98 0.00 | 62.25 2.87 0.00 | 44.40 1.94 0.00 | 42.52 1.93 0.00 | 47.64 2.28 0.00 | 44.09 2.16 0.00 |
| MILLIKEN___1 23584 | 34.66 0.19 0.00 | 34.20 0.16 0.00 | 34.09 0.12 0.00 | 36.35 0.13 0.00 | 33.48 0.04 0.00 | 32.85 0.11 0.00 | 33.38 0.12 0.00 | 43.88 0.11 0.00 | 31.57 0.13 0.00 | 32.09 0.17 0.00 | 32.49 0.14 0.00 | 34.73 0.06 0.00 | 48.62 0.17 0.00 | 51.39 0.18 0.00 | 54.95 0.37 0.00 | 50.59 0.36 0.00 | 65.89 0.38 0.00 | 73.28 0.58 0.00 | 60.07 0.52 0.00 | 59.89 0.50 0.00 | 42.80 0.34 0.00 | 40.85 0.26 0.00 | 45.63 0.27 0.00 | 42.14 0.22 0.00 |
| MILLIKEN___2 23585 | 34.66 0.19 0.00 | 34.20 0.16 0.00 | 34.09 0.12 0.00 | 36.35 0.13 0.00 | 33.48 0.04 0.00 | 32.85 0.11 0.00 | 33.38 0.12 0.00 | 43.88 0.11 0.00 | 31.57 0.13 0.00 | 32.09 0.17 0.00 | 32.49 0.14 0.00 | 34.73 0.06 0.00 | 48.62 0.17 0.00 | 51.39 0.18 0.00 | 54.95 0.37 0.00 | 50.59 0.36 0.00 | 65.89 0.38 0.00 | 73.28 0.58 0.00 | 60.07 0.52 0.00 | 59.89 0.50 0.00 | 42.80 0.34 0.00 | 40.85 0.26 0.00 | 45.63 0.27 0.00 | 42.14 0.22 0.00 |
| MILLIKEN___DIESEL 23629 | 34.66 0.19 0.00 | 34.20 0.16 0.00 | 34.09 0.12 0.00 | 36.35 0.13 0.00 | 33.48 0.04 0.00 | 32.85 0.11 0.00 | 33.38 0.12 0.00 | 43.88 0.11 0.00 | 31.57 0.13 0.00 | 32.09 0.17 0.00 | 32.49 0.14 0.00 | 34.73 0.06 0.00 | 48.62 0.17 0.00 | 51.39 0.18 0.00 | 54.95 0.37 0.00 | 50.59 0.36 0.00 | 65.89 0.38 0.00 | 73.28 0.58 0.00 | 60.07 0.52 0.00 | 59.89 0.50 0.00 | 42.80 0.34 0.00 | 40.85 0.26 0.00 | 45.63 0.27 0.00 | 42.14 0.22 0.00 |
| MILLSEAT___LFGE 323607 | 33.86 -0.61 0.00 | 33.48 -0.56 0.00 | 33.35 -0.62 0.00 | 35.79 -0.43 0.00 | 32.80 -0.64 0.00 | 32.08 -0.66 0.00 | 32.49 -0.78 0.00 | 42.55 -1.23 0.00 | 30.08 -1.37 0.00 | 30.63 -1.28 0.00 | 31.19 -1.16 0.00 | 33.46 -1.20 0.00 | 46.57 -1.87 0.00 | 49.15 -2.06 0.00 | 52.70 -1.88 0.00 | 48.66 -1.57 0.00 | 62.47 -3.05 0.00 | 69.52 -3.18 0.00 | 57.18 -2.37 0.00 | 56.61 -2.77 0.00 | 40.90 -1.56 0.00 | 39.05 -1.54 0.00 | 44.14 -1.22 0.00 | 41.36 -0.56 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 35.36 0.89 0.00 | 34.88 0.84 0.00 | 34.74 0.77 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.51 0.78 0.00 | 34.10 0.84 0.00 | 44.88 1.10 0.00 | 32.30 0.85 0.00 | 32.83 0.92 0.00 | 33.35 1.00 0.00 | 35.86 1.20 0.00 | 50.21 1.77 0.00 | 52.92 1.71 0.00 | 56.27 1.68 0.00 | 51.79 1.56 0.00 | 67.73 2.21 0.00 | 75.19 2.50 0.00 | 61.47 1.92 0.00 | 61.30 1.92 0.00 | 43.74 1.28 0.00 | 41.72 1.13 0.00 | 46.43 1.08 0.00 | 42.84 0.91 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 35.43 0.96 0.00 | 34.95 0.91 0.00 | 34.81 0.84 0.00 | 37.11 0.89 0.00 | 34.27 0.83 0.00 | 33.58 0.84 0.00 | 34.17 0.91 0.00 | 44.97 1.20 0.00 | 32.37 0.92 0.00 | 32.89 0.97 0.00 | 33.42 1.07 0.00 | 35.94 1.28 0.00 | 50.32 1.88 0.00 | 53.02 1.81 0.00 | 56.38 1.79 0.00 | 51.90 1.68 0.00 | 67.88 2.37 0.00 | 75.37 2.68 0.00 | 61.62 2.07 0.00 | 61.45 2.06 0.00 | 43.84 1.38 0.00 | 41.81 1.22 0.00 | 46.52 1.16 0.00 | 42.91 0.99 0.00 |
| MODEL_CITY_ENERGY 24167 | 33.01 -1.46 0.00 | 32.67 -1.37 0.00 | 32.57 -1.40 0.00 | 34.96 -1.27 0.00 | 32.00 -1.43 0.00 | 31.29 -1.45 0.00 | 31.61 -1.65 0.00 | 41.30 -2.48 0.00 | 29.07 -2.37 0.00 | 29.58 -2.33 0.00 | 30.12 -2.23 0.00 | 32.28 -2.39 0.00 | 44.87 -3.57 0.00 | 47.36 -3.84 0.00 | 50.78 -3.80 0.00 | 46.90 -3.32 0.00 | 59.98 -5.53 0.00 | 66.67 -6.02 0.00 | 54.95 -4.60 0.00 | 54.35 -5.04 0.00 | 39.39 -3.07 0.00 | 37.71 -2.88 0.00 | 42.77 -2.59 0.00 | 40.32 -1.60 0.00 |
| MODERN_LFGE___ 323580 | 33.01 -1.46 0.00 | 32.67 -1.37 0.00 | 32.57 -1.40 0.00 | 34.96 -1.27 0.00 | 32.00 -1.43 0.00 | 31.29 -1.45 0.00 | 31.61 -1.65 0.00 | 41.30 -2.48 0.00 | 29.07 -2.37 0.00 | 29.58 -2.33 0.00 | 30.12 -2.23 0.00 | 32.28 -2.39 0.00 | 44.87 -3.57 0.00 | 47.36 -3.84 0.00 | 50.78 -3.80 0.00 | 46.90 -3.32 0.00 | 59.98 -5.53 0.00 | 66.67 -6.02 0.00 | 54.95 -4.60 0.00 | 54.35 -5.04 0.00 | 39.39 -3.07 0.00 | 37.71 -2.88 0.00 | 42.77 -2.59 0.00 | 40.32 -1.60 0.00 |
| MOHAWK_PAPER___DRP 24187 | 34.86 0.39 0.00 | 34.52 0.48 0.00 | 34.50 0.53 0.00 | 36.78 0.56 0.00 | 34.06 0.62 0.00 | 33.38 0.64 0.00 | 33.87 0.61 0.00 | 44.52 0.74 0.00 | 31.97 0.53 0.00 | 32.46 0.55 0.00 | 32.85 0.50 0.00 | 35.18 0.52 0.00 | 49.17 0.73 0.00 | 52.20 0.99 0.00 | 55.76 1.18 0.00 | 51.06 0.83 0.00 | 66.74 1.23 0.00 | 73.78 1.08 0.00 | 60.26 0.71 0.00 | 60.07 0.68 0.00 | 43.02 0.56 0.00 | 41.06 0.47 0.00 | 45.78 0.42 0.00 | 42.27 0.35 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 36.28 1.81 0.00 | 35.92 1.88 0.00 | 35.91 1.94 0.00 | 38.30 2.07 0.00 | 35.45 2.01 0.00 | 34.84 2.10 0.00 | 35.45 2.19 0.00 | 46.63 2.86 0.00 | 33.35 1.90 0.00 | 33.92 2.01 0.00 | 34.36 2.01 0.00 | 36.81 2.14 0.00 | 51.49 3.05 0.00 | 54.80 3.59 0.00 | 58.63 4.05 0.00 | 53.40 3.18 0.00 | 70.07 4.56 0.00 | 77.27 4.58 0.00 | 62.86 3.31 0.00 | 62.64 3.26 0.00 | 44.94 2.49 0.00 | 42.90 2.31 0.00 | 47.97 2.61 0.00 | 44.11 2.18 0.00 |
| MONGAUP___HYD 23641 | 35.53 1.06 0.00 | 35.05 1.01 0.00 | 34.92 0.95 0.00 | 37.23 1.00 0.00 | 34.37 0.93 0.00 | 33.68 0.95 0.00 | 34.29 1.03 0.00 | 45.12 1.35 0.00 | 32.39 0.95 0.00 | 32.84 0.92 0.00 | 33.11 0.76 0.00 | 35.71 1.04 0.00 | 50.35 1.91 0.00 | 53.14 1.94 0.00 | 56.63 2.04 0.00 | 52.13 1.91 0.00 | 68.22 2.71 0.00 | 75.98 3.28 0.00 | 62.17 2.62 0.00 | 61.97 2.59 0.00 | 44.23 1.77 0.00 | 42.13 1.54 0.00 | 46.88 1.52 0.00 | 43.20 1.28 0.00 |
| MONTAUK___DIESEL 23721 | 37.00 2.53 0.00 | 36.19 2.15 0.00 | 35.88 1.92 0.00 | 38.02 1.80 0.00 | 35.14 1.70 0.00 | 34.65 1.91 0.00 | 34.79 1.53 0.00 | 45.36 1.59 0.00 | 33.04 1.59 0.00 | 33.80 1.58 -0.31 | 34.28 1.93 0.00 | 48.77 1.89 -12.22 | 53.88 2.73 -2.71 | 54.05 1.97 -0.87 | 57.12 1.58 -0.96 | 59.19 1.27 -7.69 | 81.63 1.98 -14.14 | 102.84 2.45 -27.69 | 72.46 1.53 -11.39 | 68.92 1.74 -7.79 | 43.18 0.72 -0.01 | 41.39 0.80 0.00 | 46.65 1.29 0.00 | 42.97 1.05 0.00 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 33.99 -0.48 0.00 | 33.53 -0.51 0.00 | 33.41 -0.55 0.00 | 35.94 -0.29 0.00 | 32.78 -0.65 0.00 | 32.11 -0.63 0.00 | 32.59 -0.67 0.00 | 42.67 -1.10 0.00 | 30.32 -1.13 0.00 | 30.87 -1.05 0.00 | 31.29 -1.05 0.00 | 33.60 -1.06 0.00 | 46.88 -1.56 0.00 | 49.26 -1.95 0.00 | 52.77 -1.81 0.00 | 48.23 -2.00 0.00 | 62.27 -3.25 0.00 | 69.77 -2.92 0.00 | 57.65 -1.90 0.00 | 57.34 -2.04 0.00 | 41.36 -1.09 0.00 | 39.40 -1.19 0.00 | 44.59 -0.77 0.00 | 41.56 -0.36 0.00 |

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| MORRIS_RIDGE___SOLAR 323848 | 33.45 -1.02 0.00 | 32.99 -1.05 0.00 | 32.84 -1.13 0.00 | 35.25 -0.98 0.00 | 32.21 -1.23 0.00 | 31.47 -1.26 0.00 | 31.83 -1.43 0.00 | 41.62 -2.16 0.00 | 29.68 -1.76 0.00 | 30.18 -1.73 0.00 | 30.71 -1.63 0.00 | 32.97 -1.70 0.00 | 45.67 -2.77 0.00 | 48.09 -3.12 0.00 | 52.17 -2.42 0.00 | 48.01 -2.21 0.00 | 61.71 -3.81 0.00 | 68.59 -4.11 0.00 | 56.61 -2.94 0.00 | 56.19 -3.19 0.00 | 40.62 -1.84 0.00 | 38.67 -1.92 0.00 | 43.80 -1.55 0.00 | 40.71 -1.22 0.00 |
| MORTIMER_115KV_TB3 55949 | 33.81 -0.65 0.00 | 33.42 -0.62 0.00 | 33.31 -0.65 0.00 | 35.65 -0.58 0.00 | 32.74 -0.70 0.00 | 32.04 -0.69 0.00 | 32.50 -0.76 0.00 | 42.68 -1.10 0.00 | 30.39 -1.06 0.00 | 30.92 -0.99 0.00 | 31.42 -0.92 0.00 | 33.72 -0.95 0.00 | 47.02 -1.42 0.00 | 49.66 -1.55 0.00 | 53.13 -1.45 0.00 | 49.01 -1.21 0.00 | 63.30 -2.21 0.00 | 70.43 -2.26 0.00 | 57.72 -1.83 0.00 | 57.33 -2.06 0.00 | 41.24 -1.22 0.00 | 39.34 -1.25 0.00 | 44.26 -1.09 0.00 | 41.14 -0.78 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 35.66 1.20 0.00 | 35.17 1.13 0.00 | 35.01 1.04 0.00 | 37.32 1.09 0.00 | 34.45 1.02 0.00 | 33.77 1.03 0.00 | 34.37 1.11 0.00 | 45.23 1.45 0.00 | 32.55 1.10 0.00 | 33.10 1.19 0.00 | 33.64 1.29 0.00 | 36.18 1.51 0.00 | 50.63 2.19 0.00 | 53.33 2.12 0.00 | 56.70 2.12 0.00 | 52.20 1.97 0.00 | 68.21 2.69 0.00 | 75.76 3.07 0.00 | 61.97 2.42 0.00 | 61.83 2.44 0.00 | 44.11 1.65 0.00 | 42.08 1.49 0.00 | 46.79 1.44 0.00 | 43.16 1.24 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 36.68 2.21 0.00 | 36.13 2.09 0.00 | 35.89 1.92 0.00 | 38.24 2.02 0.00 | 35.08 1.64 0.00 | 34.50 1.77 0.00 | 34.91 1.65 0.00 | 45.92 2.15 0.00 | 33.09 1.64 0.00 | 33.62 1.71 0.00 | 34.19 1.84 0.00 | 36.34 1.67 0.00 | 50.90 2.46 0.00 | 53.29 2.08 0.00 | 56.35 1.76 0.00 | 51.26 1.03 0.00 | 67.06 1.54 0.00 | 75.53 2.83 0.00 | 62.91 3.36 0.00 | 62.89 3.51 0.00 | 45.18 2.72 0.00 | 43.04 2.45 0.00 | 48.01 2.66 0.00 | 44.30 2.37 0.00 |
| N SALMON___HYD 24042 | 35.75 1.28 0.00 | 35.29 1.25 0.00 | 35.20 1.24 0.00 | 37.51 1.29 0.00 | 34.56 1.12 0.00 | 33.80 1.07 0.00 | 34.38 1.12 0.00 | 45.50 1.72 0.00 | 32.63 1.18 0.00 | 32.99 1.07 0.00 | 33.41 1.07 0.00 | 35.77 1.11 0.00 | 49.84 1.40 0.00 | 52.59 1.38 0.00 | 56.06 1.47 0.00 | 51.83 1.60 0.00 | 67.76 2.25 0.00 | 75.50 2.81 0.00 | 62.05 2.50 0.00 | 61.82 2.43 0.00 | 44.10 1.64 0.00 | 42.29 1.70 0.00 | 47.46 2.11 0.00 | 43.93 2.01 0.00 |
| N.AKRON__115KV_KNAPP 355671 | 33.72 -0.75 0.00 | 33.35 -0.69 0.00 | 33.22 -0.74 0.00 | 35.65 -0.57 0.00 | 32.66 -0.78 0.00 | 31.94 -0.79 0.00 | 32.33 -0.93 0.00 | 42.32 -1.46 0.00 | 29.88 -1.57 0.00 | 30.42 -1.49 0.00 | 30.97 -1.38 0.00 | 33.23 -1.44 0.00 | 46.22 -2.22 0.00 | 48.78 -2.43 0.00 | 52.30 -2.28 0.00 | 48.30 -1.93 0.00 | 61.93 -3.58 0.00 | 68.92 -3.78 0.00 | 56.69 -2.85 0.00 | 56.14 -3.25 0.00 | 40.59 -1.87 0.00 | 38.78 -1.82 0.00 | 43.87 -1.49 0.00 | 41.17 -0.76 0.00 |
| N.E_GEN_SANDY PD 24062 | 34.88 0.41 0.00 | 34.56 0.53 0.00 | 34.57 0.60 0.00 | 36.83 0.60 0.00 | 34.19 0.75 0.00 | 33.57 0.84 0.00 | 38.59 0.82 -4.51 | 45.13 0.97 -0.39 | 31.98 0.54 0.00 | 32.49 0.58 0.00 | 32.76 0.41 0.00 | 35.05 0.33 -0.06 | 48.31 0.51 0.64 | 52.63 0.93 -0.49 | 56.13 1.25 -0.29 | 50.86 0.63 0.00 | 67.91 1.10 -1.30 | 70.15 0.66 3.21 | 59.80 0.25 0.00 | 59.57 0.19 0.00 | 42.86 0.30 -0.10 | 40.44 0.28 0.43 | 45.61 0.25 0.00 | 44.48 0.20 -2.36 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 35.32 0.85 0.00 | 34.85 0.81 0.00 | 34.70 0.73 0.00 | 37.01 0.79 0.00 | 34.16 0.72 0.00 | 33.48 0.74 0.00 | 34.07 0.81 0.00 | 44.87 1.09 0.00 | 32.27 0.83 0.00 | 32.80 0.88 0.00 | 33.31 0.96 0.00 | 35.82 1.15 0.00 | 50.15 1.72 0.00 | 52.84 1.63 0.00 | 56.20 1.62 0.00 | 51.76 1.53 0.00 | 67.72 2.20 0.00 | 75.18 2.48 0.00 | 61.46 1.91 0.00 | 61.29 1.90 0.00 | 43.73 1.27 0.00 | 41.70 1.11 0.00 | 46.43 1.08 0.00 | 42.86 0.94 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 35.58 1.12 0.01 | 35.06 1.03 0.01 | 34.89 0.93 0.00 | 37.24 1.02 0.00 | 34.38 0.94 0.00 | 33.70 0.97 0.00 | 34.30 1.04 0.00 | 45.18 1.41 0.00 | 32.57 1.12 0.00 | 33.16 1.24 0.00 | 33.74 1.39 0.00 | 36.26 1.59 0.00 | 50.72 2.28 0.00 | 53.41 2.21 0.00 | 56.69 2.11 0.00 | 52.28 2.05 0.00 | 68.25 2.74 0.00 | 75.83 3.14 0.00 | 61.88 2.34 0.00 | 61.74 2.35 0.00 | 44.08 1.63 0.00 | 42.05 1.46 0.00 | 46.69 1.34 0.00 | 43.11 1.18 0.00 |
| N.TROY___115KV_TB1 355778 | 35.04 0.57 0.00 | 34.69 0.65 0.00 | 34.68 0.71 0.00 | 36.96 0.73 0.00 | 34.24 0.80 0.00 | 33.59 0.86 0.00 | 34.12 0.85 0.00 | 44.83 1.06 0.00 | 32.12 0.67 0.00 | 32.64 0.72 0.00 | 33.00 0.65 0.00 | 35.31 0.64 0.00 | 49.36 0.92 0.00 | 52.46 1.25 0.00 | 56.09 1.51 0.00 | 51.25 1.03 0.00 | 67.07 1.56 0.00 | 74.05 1.36 0.00 | 60.43 0.88 0.00 | 60.21 0.83 0.00 | 43.15 0.69 0.00 | 41.20 0.61 0.00 | 45.97 0.62 0.00 | 42.43 0.51 0.00 |
| NARROWS_GT1_1 24228 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT1_2 24229 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT1_3 24230 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT1_4 24231 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT1_5 24232 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |

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| NARROWS_GT1_6 24233 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT1_7 24234 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT1_8 24235 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_1 24236 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_2 24237 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_3 24238 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_4 24239 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_5 24240 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_6 24241 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_7 24242 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NARROWS_GT2_8 24243 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 35.12 0.65 0.00 | 34.76 0.72 0.00 | 34.75 0.78 0.00 | 37.08 0.86 0.00 | 34.36 0.92 0.00 | 33.66 0.92 0.00 | 34.18 0.92 0.00 | 44.97 1.20 0.00 | 32.37 0.93 0.00 | 32.89 0.97 0.00 | 33.23 0.88 0.00 | 35.51 0.84 0.00 | 49.56 1.12 0.00 | 52.63 1.43 0.00 | 56.39 1.81 0.00 | 51.72 1.49 0.00 | 67.61 2.09 0.00 | 74.87 2.17 0.00 | 61.12 1.57 0.00 | 60.84 1.46 0.00 | 43.52 1.06 0.00 | 41.50 0.91 0.00 | 46.23 0.87 0.00 | 42.64 0.71 0.00 |
| NCHELSEA_115KV_TR2 355582 | 35.57 1.10 0.00 | 35.09 1.05 0.00 | 34.96 0.99 0.00 | 37.29 1.06 0.00 | 34.43 1.00 0.00 | 33.74 1.00 0.00 | 34.33 1.07 0.00 | 45.19 1.42 0.00 | 32.52 1.07 0.00 | 33.05 1.14 0.00 | 33.54 1.19 0.00 | 36.07 1.40 0.00 | 50.54 2.10 0.00 | 53.32 2.12 0.00 | 56.75 2.16 0.00 | 52.20 1.98 0.00 | 68.29 2.77 0.00 | 75.84 3.15 0.00 | 62.01 2.46 0.00 | 61.81 2.43 0.00 | 44.10 1.64 0.00 | 42.04 1.45 0.00 | 46.78 1.42 0.00 | 43.14 1.22 0.00 |
| NEG CAPITAL____MECHNVIL 23645 | 35.68 1.22 0.00 | 35.32 1.28 0.00 | 35.30 1.33 0.00 | 37.61 1.38 0.00 | 34.83 1.40 0.00 | 34.19 1.45 0.00 | 34.75 1.49 0.00 | 45.73 1.96 0.00 | 32.77 1.32 0.00 | 33.31 1.40 0.00 | 33.73 1.38 0.00 | 36.10 1.44 0.00 | 50.50 2.06 0.00 | 53.63 2.42 0.00 | 57.35 2.77 0.00 | 52.44 2.21 0.00 | 68.65 3.13 0.00 | 75.85 3.15 0.00 | 61.89 2.34 0.00 | 61.61 2.23 0.00 | 44.16 1.70 0.00 | 42.10 1.51 0.00 | 46.97 1.61 0.00 | 43.32 1.39 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 33.10 -1.37 0.00 | 32.71 -1.33 0.00 | 32.60 -1.37 0.00 | 34.86 -1.37 0.00 | 32.05 -1.39 0.00 | 31.41 -1.33 0.00 | 31.88 -1.38 0.00 | 41.88 -1.90 0.00 | 29.91 -1.54 0.00 | 30.44 -1.48 0.00 | 30.91 -1.43 0.00 | 33.16 -1.51 0.00 | 46.30 -2.14 0.00 | 48.92 -2.29 0.00 | 52.29 -2.30 0.00 | 48.21 -2.02 0.00 | 62.40 -3.11 0.00 | 69.42 -3.28 0.00 | 56.84 -2.71 0.00 | 56.48 -2.91 0.00 | 40.54 -1.91 0.00 | 38.68 -1.91 0.00 | 43.42 -1.94 0.00 | 40.28 -1.65 0.00 |

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| NEG CENTRAL___DRP 24199 | 34.04 -0.43 0.00 | 33.60 -0.45 0.00 | 33.49 -0.48 0.00 | 35.73 -0.49 0.00 | 32.91 -0.53 0.00 | 32.27 -0.47 0.00 | 32.79 -0.47 0.00 | 43.10 -0.67 0.00 | 30.93 -0.51 0.00 | 31.45 -0.47 0.00 | 31.87 -0.48 0.00 | 34.13 -0.54 0.00 | 47.76 -0.68 0.00 | 50.50 -0.71 0.00 | 53.97 -0.61 0.00 | 49.70 -0.53 0.00 | 64.61 -0.90 0.00 | 71.82 -0.88 0.00 | 58.77 -0.78 0.00 | 58.50 -0.88 0.00 | 41.87 -0.59 0.00 | 39.96 -0.63 0.00 | 44.70 -0.65 0.00 | 41.36 -0.56 0.00 |
| NEG CENTRAL___INDECK 23768 | 34.78 0.32 0.00 | 34.29 0.25 0.00 | 34.17 0.20 0.00 | 36.61 0.39 0.00 | 33.57 0.14 0.00 | 32.87 0.14 0.00 | 33.33 0.06 0.00 | 43.77 -0.01 0.00 | 31.25 -0.20 0.00 | 31.80 -0.11 0.00 | 32.39 0.05 0.00 | 34.69 0.03 0.00 | 48.31 -0.13 0.00 | 50.99 -0.22 0.00 | 54.90 0.32 0.00 | 50.52 0.30 0.00 | 65.20 -0.32 0.00 | 72.73 0.03 0.00 | 59.82 0.27 0.00 | 59.35 -0.04 0.00 | 42.74 0.28 0.00 | 40.64 0.05 0.00 | 45.79 0.44 0.00 | 42.49 0.57 0.00 |
| NEG CENTRAL___SENECA 23627 | 33.99 -0.48 0.00 | 33.55 -0.49 0.00 | 33.44 -0.53 0.00 | 35.71 -0.52 0.00 | 32.88 -0.56 0.00 | 32.22 -0.52 0.00 | 32.74 -0.52 0.00 | 43.03 -0.74 0.00 | 30.84 -0.61 0.00 | 31.36 -0.55 0.00 | 31.82 -0.53 0.00 | 34.08 -0.58 0.00 | 47.68 -0.76 0.00 | 50.40 -0.81 0.00 | 53.87 -0.71 0.00 | 49.64 -0.58 0.00 | 64.45 -1.07 0.00 | 71.66 -1.04 0.00 | 58.65 -0.89 0.00 | 58.34 -1.04 0.00 | 41.79 -0.66 0.00 | 39.87 -0.73 0.00 | 44.64 -0.72 0.00 | 41.33 -0.59 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 34.27 -0.20 0.00 | 33.84 -0.20 0.00 | 33.74 -0.22 0.00 | 35.89 -0.34 0.00 | 33.05 -0.39 0.00 | 32.49 -0.25 0.00 | 33.04 -0.22 0.00 | 43.43 -0.34 0.00 | 31.22 -0.22 0.00 | 31.73 -0.18 0.00 | 32.05 -0.30 0.00 | 34.28 -0.39 0.00 | 48.04 -0.40 0.00 | 50.83 -0.38 0.00 | 54.32 -0.27 0.00 | 49.98 -0.24 0.00 | 65.15 -0.36 0.00 | 72.38 -0.32 0.00 | 59.07 -0.48 0.00 | 58.98 -0.40 0.00 | 42.10 -0.35 0.00 | 40.28 -0.32 0.00 | 44.97 -0.38 0.00 | 41.62 -0.31 0.00 |
| NEG MILLWOOD___DRP 24198 | 35.63 1.16 0.00 | 35.15 1.11 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.47 1.03 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.58 1.13 0.00 | 33.12 1.20 0.00 | 33.62 1.27 0.00 | 36.16 1.50 0.00 | 50.65 2.21 0.00 | 53.43 2.22 0.00 | 56.85 2.27 0.00 | 52.31 2.08 0.00 | 68.42 2.91 0.00 | 76.02 3.33 0.00 | 62.13 2.58 0.00 | 61.94 2.56 0.00 | 44.19 1.74 0.00 | 42.11 1.52 0.00 | 46.83 1.47 0.00 | 43.18 1.26 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 35.49 1.03 0.00 | 35.05 1.01 0.00 | 34.95 0.99 0.00 | 37.26 1.04 0.00 | 34.32 0.88 0.00 | 33.54 0.81 0.00 | 34.03 0.77 0.00 | 44.88 1.11 0.00 | 32.10 0.66 0.00 | 32.18 0.27 0.00 | 32.39 0.04 0.00 | 34.56 -0.11 0.00 | 47.85 -0.59 0.00 | 50.48 -0.72 0.00 | 53.82 -0.76 0.00 | 49.75 -0.48 0.00 | 65.06 -0.46 0.00 | 72.43 -0.27 0.00 | 59.51 -0.04 0.00 | 59.34 -0.04 0.00 | 42.38 -0.07 0.00 | 40.98 0.39 0.00 | 46.55 1.20 0.00 | 43.21 1.29 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 35.35 0.89 0.00 | 34.90 0.87 0.00 | 34.82 0.85 0.00 | 37.10 0.88 0.00 | 34.17 0.73 0.00 | 33.41 0.67 0.00 | 33.92 0.66 0.00 | 44.82 1.05 0.00 | 32.12 0.67 0.00 | 32.42 0.51 0.00 | 32.80 0.45 0.00 | 35.10 0.43 0.00 | 48.87 0.43 0.00 | 51.55 0.35 0.00 | 54.97 0.39 0.00 | 50.81 0.59 0.00 | 66.45 0.93 0.00 | 73.96 1.27 0.00 | 60.79 1.24 0.00 | 60.62 1.24 0.00 | 43.29 0.83 0.00 | 41.58 0.98 0.00 | 46.76 1.40 0.00 | 43.34 1.42 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 35.61 1.14 0.00 | 35.15 1.11 0.00 | 35.05 1.08 0.00 | 37.36 1.13 0.00 | 34.40 0.96 0.00 | 33.64 0.91 0.00 | 34.16 0.90 0.00 | 45.11 1.34 0.00 | 32.31 0.86 0.00 | 32.52 0.61 0.00 | 32.84 0.49 0.00 | 35.11 0.44 0.00 | 48.74 0.30 0.00 | 51.44 0.23 0.00 | 54.84 0.26 0.00 | 50.68 0.46 0.00 | 66.29 0.77 0.00 | 73.85 1.15 0.00 | 60.71 1.16 0.00 | 60.48 1.10 0.00 | 43.19 0.73 0.00 | 41.58 0.99 0.00 | 46.98 1.63 0.00 | 43.54 1.61 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 35.61 1.14 0.00 | 35.15 1.11 0.00 | 35.05 1.08 0.00 | 37.36 1.13 0.00 | 34.40 0.96 0.00 | 33.64 0.91 0.00 | 34.16 0.90 0.00 | 45.11 1.34 0.00 | 32.31 0.86 0.00 | 32.52 0.61 0.00 | 32.84 0.49 0.00 | 35.11 0.44 0.00 | 48.74 0.30 0.00 | 51.44 0.23 0.00 | 54.84 0.26 0.00 | 50.68 0.46 0.00 | 66.29 0.77 0.00 | 73.85 1.15 0.00 | 60.71 1.16 0.00 | 60.48 1.10 0.00 | 43.19 0.73 0.00 | 41.58 0.99 0.00 | 46.98 1.63 0.00 | 43.54 1.61 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 35.61 1.14 0.00 | 35.15 1.11 0.00 | 35.05 1.08 0.00 | 37.36 1.13 0.00 | 34.40 0.96 0.00 | 33.64 0.91 0.00 | 34.16 0.90 0.00 | 45.11 1.34 0.00 | 32.31 0.86 0.00 | 32.52 0.61 0.00 | 32.84 0.49 0.00 | 35.11 0.44 0.00 | 48.74 0.30 0.00 | 51.44 0.23 0.00 | 54.84 0.26 0.00 | 50.68 0.46 0.00 | 66.29 0.77 0.00 | 73.85 1.15 0.00 | 60.71 1.16 0.00 | 60.48 1.10 0.00 | 43.19 0.73 0.00 | 41.58 0.99 0.00 | 46.98 1.62 0.00 | 43.54 1.61 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 33.29 -1.18 0.00 | 32.95 -1.09 0.00 | 32.83 -1.14 0.00 | 35.24 -0.98 0.00 | 32.26 -1.18 0.00 | 31.53 -1.21 0.00 | 31.88 -1.39 0.00 | 41.68 -2.10 0.00 | 29.36 -2.08 0.00 | 29.88 -2.03 0.00 | 30.41 -1.94 0.00 | 32.62 -2.05 0.00 | 45.33 -3.12 0.00 | 47.82 -3.39 0.00 | 51.31 -3.28 0.00 | 47.38 -2.85 0.00 | 60.65 -4.87 0.00 | 67.43 -5.26 0.00 | 55.52 -4.03 0.00 | 54.96 -4.42 0.00 | 39.81 -2.65 0.00 | 38.08 -2.52 0.00 | 43.18 -2.18 0.00 | 40.57 -1.36 0.00 |
| NEG WEST___LANCASTR 23811 | 33.32 -1.15 0.00 | 32.92 -1.12 0.00 | 32.80 -1.16 0.00 | 35.23 -1.00 0.00 | 32.21 -1.22 0.00 | 31.50 -1.24 0.00 | 31.90 -1.37 0.00 | 41.78 -2.00 0.00 | 29.59 -1.85 0.00 | 30.09 -1.82 0.00 | 30.60 -1.75 0.00 | 32.87 -1.79 0.00 | 45.69 -2.75 0.00 | 48.14 -3.07 0.00 | 51.76 -2.82 0.00 | 47.69 -2.53 0.00 | 61.25 -4.27 0.00 | 68.23 -4.47 0.00 | 56.16 -3.39 0.00 | 55.71 -3.67 0.00 | 40.26 -2.19 0.00 | 38.40 -2.19 0.00 | 43.48 -1.87 0.00 | 40.51 -1.41 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 34.29 -0.18 0.00 | 33.82 -0.22 0.00 | 33.74 -0.23 0.00 | 36.05 -0.18 0.00 | 33.21 -0.23 0.00 | 32.51 -0.23 0.00 | 33.01 -0.25 0.00 | 43.39 -0.38 0.00 | 31.18 -0.27 0.00 | 31.69 -0.22 0.00 | 32.13 -0.21 0.00 | 34.50 -0.17 0.00 | 48.19 -0.25 0.00 | 50.84 -0.37 0.00 | 54.38 -0.20 0.00 | 49.96 -0.27 0.00 | 65.01 -0.50 0.00 | 72.25 -0.45 0.00 | 59.33 -0.22 0.00 | 59.14 -0.24 0.00 | 42.34 -0.12 0.00 | 40.35 -0.24 0.00 | 45.13 -0.22 0.00 | 41.68 -0.24 0.00 |
| NEG___GEN_MONROE 24207 | 34.09 -0.38 0.00 | 33.68 -0.36 0.00 | 33.57 -0.40 0.00 | 35.96 -0.27 0.00 | 33.05 -0.39 0.00 | 32.30 -0.43 0.00 | 32.77 -0.50 0.00 | 43.02 -0.76 0.00 | 30.56 -0.89 0.00 | 31.10 -0.81 0.00 | 31.60 -0.75 0.00 | 33.92 -0.75 0.00 | 47.30 -1.14 0.00 | 49.94 -1.27 0.00 | 53.45 -1.13 0.00 | 49.31 -0.91 0.00 | 63.65 -1.87 0.00 | 70.85 -1.85 0.00 | 58.08 -1.47 0.00 | 57.66 -1.72 0.00 | 41.49 -0.97 0.00 | 39.57 -1.02 0.00 | 44.54 -0.82 0.00 | 41.45 -0.48 0.00 |
| NEPA___ENERGY 23901 | 33.17 -1.30 0.00 | 32.72 -1.32 0.00 | 32.60 -1.37 0.00 | 35.07 -1.15 0.00 | 32.04 -1.39 0.00 | 31.32 -1.42 0.00 | 31.77 -1.49 0.00 | 41.59 -2.18 0.00 | 29.59 -1.85 0.00 | 30.07 -1.84 0.00 | 30.54 -1.81 0.00 | 32.88 -1.78 0.00 | 45.75 -2.69 0.00 | 48.04 -3.18 0.00 | 51.78 -2.80 0.00 | 47.50 -2.73 0.00 | 61.15 -4.36 0.00 | 67.99 -4.71 0.00 | 56.24 -3.31 0.00 | 55.94 -3.44 0.00 | 40.33 -2.12 0.00 | 38.35 -2.25 0.00 | 43.44 -1.92 0.00 | 40.42 -1.51 0.00 |

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| NEVERSINK___HYD 23608 | 35.03 0.56 0.00 | 34.54 0.50 0.00 | 34.40 0.43 0.00 | 36.69 0.47 0.00 | 33.87 0.43 0.00 | 33.19 0.46 0.00 | 33.76 0.49 0.00 | 44.47 0.69 0.00 | 32.02 0.57 0.00 | 32.54 0.63 0.00 | 33.02 0.67 0.00 | 35.48 0.81 0.00 | 49.78 1.34 0.00 | 52.52 1.31 0.00 | 55.88 1.30 0.00 | 51.45 1.23 0.00 | 67.30 1.79 0.00 | 74.76 2.06 0.00 | 61.13 1.59 0.00 | 60.94 1.56 0.00 | 43.46 1.00 0.00 | 41.42 0.83 0.00 | 46.09 0.73 0.00 | 42.47 0.54 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 34.59 0.12 0.00 | 34.28 0.24 0.00 | 34.27 0.30 0.00 | 36.56 0.34 0.00 | 33.88 0.44 0.00 | 33.15 0.41 0.00 | 33.64 0.37 0.00 | 44.19 0.41 0.00 | 31.78 0.33 0.00 | 32.23 0.32 0.00 | 32.62 0.27 0.00 | 34.95 0.28 0.00 | 48.83 0.39 0.00 | 51.82 0.61 0.00 | 55.33 0.75 0.00 | 50.69 0.46 0.00 | 66.26 0.75 0.00 | 73.26 0.57 0.00 | 59.84 0.29 0.00 | 59.66 0.28 0.00 | 42.71 0.25 0.00 | 40.77 0.17 0.00 | 45.47 0.11 0.00 | 41.99 0.07 0.00 |
| NEWTON___FALLS_HYD 23847 | 35.33 0.86 0.00 | 34.85 0.81 0.00 | 34.76 0.79 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.45 0.71 0.00 | 34.07 0.81 0.00 | 44.98 1.20 0.00 | 32.36 0.91 0.00 | 32.83 0.91 0.00 | 33.31 0.96 0.00 | 35.75 1.08 0.00 | 49.96 1.52 0.00 | 52.71 1.51 0.00 | 56.18 1.60 0.00 | 51.97 1.74 0.00 | 67.99 2.47 0.00 | 75.64 2.95 0.00 | 61.96 2.41 0.00 | 61.64 2.26 0.00 | 43.97 1.51 0.00 | 42.04 1.45 0.00 | 46.98 1.62 0.00 | 43.37 1.45 0.00 |
| NGRID_A1_DSASP 323792 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.10 0.00 |
| NGRID_A2_DSASP 323793 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.10 0.00 |
| NGRID_A4_DSASP 323807 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 0.00 0.00 |
| NIAGARA_115E_LBMP 323715 | 32.86 -1.61 0.00 | 32.52 -1.52 0.00 | 32.41 -1.55 0.00 | 34.80 -1.42 0.00 | 31.86 -1.58 0.00 | 31.15 -1.59 0.00 | 31.46 -1.80 0.00 | 41.07 -2.71 0.00 | 28.91 -2.54 0.00 | 29.40 -2.51 0.00 | 29.94 -2.41 0.00 | 32.09 -2.58 0.00 | 44.59 -3.85 0.00 | 47.07 -4.14 0.00 | 50.47 -4.12 0.00 | 46.61 -3.62 0.00 | 59.58 -5.93 0.00 | 66.20 -6.49 0.00 | 54.58 -4.96 0.00 | 53.98 -5.41 0.00 | 39.14 -3.31 0.00 | 37.49 -3.10 0.00 | 42.53 -2.82 0.00 | 40.16 -1.77 0.00 |
| NIAGARA_115W_LBMP 323714 | 33.02 -1.45 0.00 | 32.70 -1.34 0.00 | 32.61 -1.36 0.00 | 35.01 -1.21 0.00 | 32.02 -1.42 0.00 | 31.29 -1.45 0.00 | 31.65 -1.62 0.00 | 41.38 -2.39 0.00 | 29.13 -2.32 0.00 | 29.61 -2.30 0.00 | 30.13 -2.22 0.00 | 32.31 -2.36 0.00 | 44.91 -3.53 0.00 | 47.31 -3.90 0.00 | 50.71 -3.88 0.00 | 46.83 -3.40 0.00 | 59.90 -5.62 0.00 | 66.20 -6.50 0.00 | 54.44 -5.11 0.00 | 53.88 -5.51 0.00 | 39.05 -3.41 0.00 | 37.36 -3.23 0.00 | 42.45 -2.91 0.00 | 39.76 -2.17 0.00 |
| NIAGARA_230_LBMP 323716 | 33.07 -1.40 0.00 | 32.74 -1.30 0.00 | 32.64 -1.33 0.00 | 35.04 -1.18 0.00 | 32.05 -1.38 0.00 | 31.33 -1.41 0.00 | 31.69 -1.57 0.00 | 41.46 -2.31 0.00 | 29.21 -2.24 0.00 | 29.69 -2.23 0.00 | 30.20 -2.14 0.00 | 32.39 -2.27 0.00 | 45.05 -3.39 0.00 | 47.48 -3.73 0.00 | 50.89 -3.69 0.00 | 46.98 -3.24 0.00 | 60.16 -5.35 0.00 | 66.87 -5.83 0.00 | 54.98 -4.57 0.00 | 54.46 -4.93 0.00 | 39.44 -3.02 0.00 | 37.71 -2.88 0.00 | 42.82 -2.54 0.00 | 40.09 -1.83 0.00 |
| NIAGARA___115KV_198_GIBSON 55903 | 33.02 -1.45 0.00 | 32.70 -1.34 0.00 | 32.61 -1.36 0.00 | 35.01 -1.21 0.00 | 32.02 -1.42 0.00 | 31.28 -1.45 0.00 | 31.65 -1.61 0.00 | 41.38 -2.39 0.00 | 29.13 -2.32 0.00 | 29.61 -2.30 0.00 | 30.12 -2.22 0.00 | 32.31 -2.36 0.00 | 44.91 -3.53 0.00 | 47.31 -3.89 0.00 | 50.70 -3.88 0.00 | 46.84 -3.39 0.00 | 59.90 -5.62 0.00 | 66.20 -6.50 0.00 | 54.43 -5.12 0.00 | 53.88 -5.50 0.00 | 39.05 -3.40 0.00 | 37.36 -3.23 0.00 | 42.45 -2.91 0.00 | 39.75 -2.17 0.00 |
| NIAGARA____ 23760 | 33.07 -1.40 0.00 | 32.74 -1.30 0.00 | 32.64 -1.33 0.00 | 35.04 -1.18 0.00 | 32.05 -1.38 0.00 | 31.33 -1.41 0.00 | 31.69 -1.57 0.00 | 41.46 -2.31 0.00 | 29.21 -2.24 0.00 | 29.69 -2.23 0.00 | 30.20 -2.14 0.00 | 32.39 -2.27 0.00 | 45.05 -3.39 0.00 | 47.48 -3.73 0.00 | 50.89 -3.69 0.00 | 46.98 -3.24 0.00 | 60.16 -5.35 0.00 | 66.87 -5.83 0.00 | 54.98 -4.57 0.00 | 54.46 -4.93 0.00 | 39.44 -3.02 0.00 | 37.71 -2.88 0.00 | 42.82 -2.54 0.00 | 40.09 -1.83 0.00 |
| NINE_MILE_1 23575 | 33.21 -1.26 0.00 | 32.76 -1.28 0.00 | 32.67 -1.30 0.00 | 34.85 -1.38 0.00 | 32.16 -1.28 0.00 | 31.48 -1.26 0.00 | 31.97 -1.29 0.00 | 42.02 -1.76 0.00 | 30.23 -1.21 0.00 | 30.70 -1.22 0.00 | 31.12 -1.23 0.00 | 33.32 -1.34 0.00 | 46.57 -1.87 0.00 | 49.23 -1.98 0.00 | 52.51 -2.07 0.00 | 48.33 -1.90 0.00 | 62.95 -2.57 0.00 | 69.85 -2.84 0.00 | 57.21 -2.34 0.00 | 57.04 -2.35 0.00 | 40.81 -1.65 0.00 | 38.97 -1.62 0.00 | 43.55 -1.81 0.00 | 40.24 -1.68 0.00 |
| NINE_MILE_2 23744 | 33.21 -1.26 0.00 | 32.77 -1.27 0.00 | 32.67 -1.29 0.00 | 34.85 -1.38 0.00 | 32.16 -1.27 0.00 | 31.49 -1.25 0.00 | 31.97 -1.29 0.00 | 42.02 -1.76 0.00 | 30.24 -1.21 0.00 | 30.70 -1.21 0.00 | 31.12 -1.22 0.00 | 33.32 -1.34 0.00 | 46.57 -1.87 0.00 | 49.23 -1.98 0.00 | 52.52 -2.06 0.00 | 48.33 -1.90 0.00 | 62.95 -2.57 0.00 | 69.85 -2.84 0.00 | 57.21 -2.34 0.00 | 57.04 -2.35 0.00 | 40.81 -1.64 0.00 | 38.97 -1.62 0.00 | 43.55 -1.81 0.00 | 40.24 -1.68 0.00 |
| NM_CAPITAL___DRP 24208 | 34.62 0.15 0.00 | 34.30 0.26 0.00 | 34.30 0.33 0.00 | 36.57 0.35 0.00 | 33.88 0.44 0.00 | 33.18 0.44 0.00 | 33.66 0.40 0.00 | 44.22 0.44 0.00 | 31.77 0.32 0.00 | 32.23 0.32 0.00 | 32.61 0.27 0.00 | 34.93 0.26 0.00 | 48.81 0.37 0.00 | 51.82 0.61 0.00 | 55.34 0.76 0.00 | 50.67 0.44 0.00 | 66.22 0.70 0.00 | 73.20 0.50 0.00 | 59.79 0.24 0.00 | 59.61 0.22 0.00 | 42.68 0.22 0.00 | 40.76 0.16 0.00 | 45.45 0.10 0.00 | 41.99 0.07 0.00 |
| NM_CENTRAL___DRP 24181 | 33.79 -0.68 0.00 | 33.33 -0.70 0.00 | 33.24 -0.73 0.00 | 35.47 -0.76 0.00 | 32.72 -0.72 0.00 | 32.04 -0.69 0.00 | 32.56 -0.70 0.00 | 42.77 -1.00 0.00 | 30.77 -0.67 0.00 | 31.26 -0.66 0.00 | 31.71 -0.64 0.00 | 33.98 -0.69 0.00 | 47.47 -0.97 0.00 | 50.21 -1.00 0.00 | 53.60 -0.98 0.00 | 49.34 -0.89 0.00 | 64.26 -1.26 0.00 | 71.29 -1.41 0.00 | 58.39 -1.15 0.00 | 58.18 -1.21 0.00 | 41.62 -0.84 0.00 | 39.71 -0.88 0.00 | 44.37 -0.99 0.00 | 40.98 -0.95 0.00 |

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| NM_FRONTIER___DRP 24179 | 33.02 -1.45 0.00 | 32.70 -1.34 0.00 | 32.61 -1.36 0.00 | 35.01 -1.21 0.00 | 32.02 -1.42 0.00 | 31.28 -1.45 0.00 | 31.65 -1.61 0.00 | 41.38 -2.39 0.00 | 29.13 -2.32 0.00 | 29.61 -2.30 0.00 | 30.12 -2.22 0.00 | 32.31 -2.36 0.00 | 44.91 -3.53 0.00 | 47.31 -3.89 0.00 | 50.70 -3.88 0.00 | 46.84 -3.39 0.00 | 59.90 -5.62 0.00 | 66.20 -6.50 0.00 | 54.43 -5.12 0.00 | 53.88 -5.50 0.00 | 39.05 -3.40 0.00 | 37.36 -3.23 0.00 | 42.45 -2.91 0.00 | 39.75 -2.17 0.00 |
| NM_ST_REGIS___HYD 24053 | 35.81 1.34 0.00 | 35.35 1.31 0.00 | 35.26 1.29 0.00 | 37.59 1.36 0.00 | 34.65 1.21 0.00 | 33.90 1.16 0.00 | 34.52 1.26 0.00 | 45.65 1.87 0.00 | 32.75 1.30 0.00 | 33.15 1.24 0.00 | 33.60 1.26 0.00 | 36.01 1.35 0.00 | 50.24 1.80 0.00 | 53.01 1.80 0.00 | 56.47 1.89 0.00 | 52.22 2.00 0.00 | 68.26 2.74 0.00 | 76.04 3.35 0.00 | 62.47 2.92 0.00 | 62.21 2.82 0.00 | 44.36 1.91 0.00 | 42.51 1.92 0.00 | 47.65 2.30 0.00 | 44.10 2.18 0.00 |
| NORTHPORT___1 23551 | 35.63 1.16 0.00 | 35.05 1.01 0.00 | 34.89 0.92 0.00 | 37.17 0.94 0.00 | 34.35 0.91 0.00 | 33.65 0.91 0.00 | 34.10 0.83 0.00 | 44.57 0.79 0.00 | 32.10 0.65 0.00 | 31.00 0.67 1.59 | 33.71 1.36 0.00 | 48.34 1.59 -12.08 | 53.49 2.37 -2.68 | 54.21 2.14 -0.86 | 51.41 1.79 4.96 | 12.01 1.62 39.83 | 12.01 2.25 55.76 | 29.34 2.69 46.05 | 12.01 2.03 49.57 | 21.03 2.01 40.36 | 43.68 1.26 0.05 | 41.83 1.24 0.00 | 46.33 0.98 0.00 | 42.78 0.86 0.00 |
| NORTHPORT___2 23552 | 35.63 1.16 0.00 | 35.05 1.01 0.00 | 34.89 0.92 0.00 | 37.17 0.94 0.00 | 34.35 0.91 0.00 | 33.65 0.91 0.00 | 34.10 0.83 0.00 | 44.57 0.79 0.00 | 32.10 0.65 0.00 | 31.00 0.67 1.59 | 33.71 1.36 0.00 | 48.34 1.59 -12.08 | 53.49 2.37 -2.68 | 54.21 2.14 -0.86 | 51.41 1.79 4.96 | 12.01 1.62 39.83 | 12.01 2.25 55.76 | 29.34 2.69 46.05 | 12.01 2.03 49.57 | 21.03 2.01 40.36 | 43.68 1.26 0.05 | 41.83 1.24 0.00 | 46.33 0.98 0.00 | 42.78 0.86 0.00 |
| NORTHPORT___3 23553 | 35.61 1.14 0.00 | 35.04 1.00 0.00 | 34.88 0.91 0.00 | 37.15 0.92 0.00 | 34.33 0.90 0.00 | 33.64 0.90 0.00 | 34.07 0.81 0.00 | 44.54 0.76 0.00 | 32.07 0.62 0.00 | 31.63 0.65 0.93 | 33.69 1.35 0.00 | 48.40 1.59 -12.14 | 53.50 2.37 -2.69 | 54.20 2.13 -0.87 | 53.44 1.77 2.91 | 28.40 1.57 23.40 | 36.11 2.19 31.59 | 54.78 2.62 20.53 | 33.03 1.97 28.49 | 37.62 1.95 23.71 | 43.66 1.22 0.03 | 41.80 1.21 0.00 | 46.32 0.96 0.00 | 42.75 0.82 0.00 |
| NORTHPORT___4 23650 | 35.61 1.14 0.00 | 35.04 1.00 0.00 | 34.88 0.91 0.00 | 37.15 0.92 0.00 | 34.33 0.90 0.00 | 33.64 0.90 0.00 | 34.07 0.81 0.00 | 44.54 0.76 0.00 | 32.07 0.62 0.00 | 31.63 0.65 0.93 | 33.69 1.35 0.00 | 48.40 1.59 -12.14 | 53.50 2.37 -2.69 | 54.20 2.13 -0.87 | 53.44 1.77 2.91 | 28.40 1.57 23.40 | 36.11 2.19 31.59 | 54.78 2.62 20.53 | 33.03 1.97 28.49 | 37.62 1.95 23.71 | 43.66 1.22 0.03 | 41.80 1.21 0.00 | 46.32 0.96 0.00 | 42.75 0.82 0.00 |
| NORTHPORT___IC 23718 | 35.63 1.16 0.00 | 35.04 1.00 0.00 | 34.89 0.92 0.00 | 37.17 0.94 0.00 | 34.35 0.91 0.00 | 33.65 0.91 0.00 | 34.10 0.83 0.00 | 44.57 0.79 0.00 | 32.10 0.65 0.00 | 31.00 0.67 1.59 | 33.71 1.36 0.00 | 48.33 1.58 -12.08 | 53.49 2.37 -2.68 | 54.19 2.12 -0.86 | 51.42 1.80 4.96 | 12.01 1.62 39.83 | 12.01 2.25 55.76 | 29.32 2.67 46.05 | 12.02 2.04 49.57 | 21.03 2.00 40.36 | 43.68 1.26 0.05 | 41.84 1.25 0.00 | 46.33 0.98 0.00 | 42.78 0.86 0.00 |
| NORTH___COUNTRY_ESR 323785 | 35.27 0.80 0.00 | 34.82 0.78 0.00 | 34.75 0.78 0.00 | 37.03 0.80 0.00 | 34.10 0.67 0.00 | 33.34 0.61 0.00 | 33.85 0.59 0.00 | 44.72 0.94 0.00 | 32.04 0.60 0.00 | 32.35 0.43 0.00 | 32.73 0.39 0.00 | 35.02 0.35 0.00 | 48.75 0.31 0.00 | 51.44 0.23 0.00 | 54.83 0.25 0.00 | 50.69 0.47 0.00 | 66.26 0.75 0.00 | 73.75 1.05 0.00 | 60.60 1.05 0.00 | 60.43 1.05 0.00 | 43.16 0.70 0.00 | 41.47 0.87 0.00 | 46.65 1.29 0.00 | 43.23 1.31 0.00 |
| NPX_GEN_1385_PROXY 323591 | 35.53 1.07 0.00 | 34.94 0.90 0.00 | 34.89 0.92 0.00 | 37.21 0.99 0.00 | 34.35 0.91 0.00 | 33.60 0.86 0.00 | 34.12 0.86 0.00 | 44.70 0.93 0.00 | 32.30 0.85 0.00 | 31.05 0.72 1.59 | 33.58 1.23 0.00 | 43.27 1.29 -7.31 | 53.24 2.12 -2.68 | 50.12 1.70 2.79 | 50.98 1.35 4.96 | 11.93 1.54 39.83 | 12.25 2.50 55.76 | 29.70 3.05 46.05 | 12.27 2.29 49.57 | 21.29 2.26 40.36 | 43.80 1.39 0.05 | 42.04 1.44 0.00 | 46.32 0.97 0.00 | 42.64 0.72 0.00 |
| NPX_GEN_CSC 323557 | 36.22 1.75 0.00 | 35.59 1.55 0.00 | 35.38 1.41 0.00 | 37.60 1.38 0.00 | 34.81 1.37 0.00 | 34.17 1.43 0.00 | 34.61 1.35 0.00 | 45.15 1.38 0.00 | 32.59 1.15 0.00 | 33.37 1.15 -0.31 | 34.14 1.79 0.00 | 48.86 1.98 -12.21 | 54.22 3.08 -2.71 | 54.89 2.81 -0.87 | 58.15 2.61 -0.96 | 60.33 2.36 -7.74 | 83.03 3.30 -14.21 | 104.44 3.98 -27.77 | 73.98 2.98 -11.45 | 70.17 2.94 -7.85 | 44.29 1.82 -0.01 | 42.37 1.78 0.00 | 47.02 1.66 0.00 | 43.27 1.35 0.00 |
| NSINS_S_GLNS_FALLS 23858 | 36.26 1.79 0.00 | 35.89 1.85 0.00 | 35.89 1.92 0.00 | 38.26 2.04 0.00 | 35.42 1.98 0.00 | 34.80 2.07 0.00 | 35.41 2.15 0.00 | 46.59 2.81 0.00 | 33.33 1.89 0.00 | 33.90 1.99 0.00 | 34.34 2.00 0.00 | 36.80 2.13 0.00 | 51.47 3.03 0.00 | 54.76 3.56 0.00 | 58.58 3.99 0.00 | 53.36 3.14 0.00 | 70.02 4.50 0.00 | 77.22 4.52 0.00 | 62.84 3.29 0.00 | 62.62 3.23 0.00 | 44.93 2.48 0.00 | 42.88 2.29 0.00 | 47.95 2.59 0.00 | 44.09 2.16 0.00 |
| NUCOR_STEEL___DRP 24197 | 34.24 -0.22 0.00 | 33.82 -0.22 0.00 | 33.72 -0.24 0.00 | 35.86 -0.37 0.00 | 33.02 -0.42 0.00 | 32.47 -0.26 0.00 | 33.03 -0.23 0.00 | 43.42 -0.36 0.00 | 31.21 -0.23 0.00 | 31.71 -0.20 0.00 | 32.02 -0.32 0.00 | 34.25 -0.42 0.00 | 48.00 -0.44 0.00 | 50.80 -0.41 0.00 | 54.27 -0.31 0.00 | 49.95 -0.28 0.00 | 65.12 -0.40 0.00 | 72.33 -0.37 0.00 | 59.01 -0.54 0.00 | 58.93 -0.45 0.00 | 42.06 -0.40 0.00 | 40.25 -0.34 0.00 | 44.94 -0.42 0.00 | 41.58 -0.34 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 35.34 0.88 0.00 | 34.87 0.83 0.00 | 34.77 0.81 0.00 | 37.05 0.83 0.00 | 34.26 0.82 0.00 | 33.51 0.78 0.00 | 34.13 0.86 0.00 | 44.96 1.19 0.00 | 32.41 0.96 0.00 | 32.91 1.00 0.00 | 33.41 1.06 0.00 | 35.89 1.22 0.00 | 50.17 1.73 0.00 | 52.95 1.74 0.00 | 56.49 1.91 0.00 | 52.25 2.03 0.00 | 68.38 2.87 0.00 | 75.99 3.30 0.00 | 62.09 2.54 0.00 | 61.75 2.37 0.00 | 44.08 1.62 0.00 | 42.06 1.46 0.00 | 46.89 1.53 0.00 | 43.21 1.28 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 34.47 0.00 0.00 | 34.04 0.00 0.00 | 33.97 0.00 0.00 | 36.23 0.00 0.00 | 33.44 0.00 0.00 | 32.74 0.00 0.00 | 33.26 0.00 0.00 | 43.77 0.00 0.00 | 31.45 0.00 0.00 | 31.91 0.00 0.00 | 32.35 0.00 0.00 | 34.67 0.00 0.00 | 48.44 0.00 0.00 | 51.21 0.00 0.00 | 54.58 0.00 0.00 | 50.23 0.00 0.00 | 65.52 0.00 0.00 | 72.70 0.00 0.00 | 59.55 0.00 0.00 | 59.38 0.00 0.00 | 42.46 0.00 0.00 | 40.59 0.00 0.00 | 45.36 0.00 0.00 | 41.92 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 36.15 1.68 0.00 | 35.55 1.51 0.00 | 35.37 1.40 0.00 | 37.67 1.44 0.00 | 34.82 1.38 0.00 | 34.13 1.39 0.00 | 34.60 1.34 0.00 | 45.25 1.47 0.00 | 32.58 1.14 0.00 | 33.36 1.18 -0.27 | 34.17 1.82 0.00 | 49.41 2.13 -12.61 | 54.45 3.21 -2.80 | 55.10 3.00 -0.90 | 58.30 2.88 -0.83 | 59.65 2.74 -6.69 | 81.86 3.59 -12.75 | 103.48 4.13 -26.65 | 73.03 3.33 -10.15 | 69.48 3.32 -6.78 | 44.61 2.15 -0.01 | 42.57 1.97 0.00 | 47.12 1.77 0.00 | 43.45 1.53 0.00 |

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| NYPA_GOWANUS____GT5 24156 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NYPA_GOWANUS____GT6 24157 | 35.82 1.35 0.00 | 35.33 1.29 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.20 0.00 | 34.55 1.29 0.00 | 45.49 1.72 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.38 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.62 3.10 -0.01 | 76.16 3.46 0.00 | 62.22 2.67 0.00 | 62.11 2.72 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |
| NYPA_HARLEM__RVR__GT1 24160 | 35.56 1.11 0.01 | 35.05 1.02 0.01 | 34.88 0.92 0.01 | 37.23 1.01 0.00 | 34.38 0.94 0.00 | 33.69 0.96 0.00 | 34.29 1.03 0.00 | 45.16 1.39 0.00 | 32.52 1.07 0.00 | 33.10 1.19 0.00 | 33.67 1.32 0.00 | 36.18 1.51 0.00 | 50.63 2.19 0.00 | 53.33 2.12 0.00 | 56.61 2.02 0.00 | 52.20 1.97 0.00 | 68.15 2.64 0.00 | 75.72 3.03 0.00 | 61.83 2.28 0.00 | 61.68 2.29 0.00 | 44.05 1.59 0.00 | 42.01 1.42 0.00 | 46.68 1.33 0.00 | 43.11 1.18 0.00 |
| NYPA_HARLEM__RVR__GT2 24161 | 35.56 1.11 0.01 | 35.05 1.02 0.01 | 34.88 0.92 0.01 | 37.23 1.01 0.00 | 34.38 0.94 0.00 | 33.69 0.96 0.00 | 34.29 1.03 0.00 | 45.16 1.39 0.00 | 32.52 1.07 0.00 | 33.10 1.19 0.00 | 33.67 1.32 0.00 | 36.18 1.51 0.00 | 50.63 2.19 0.00 | 53.33 2.12 0.00 | 56.61 2.02 0.00 | 52.20 1.97 0.00 | 68.15 2.64 0.00 | 75.72 3.03 0.00 | 61.83 2.28 0.00 | 61.68 2.29 0.00 | 44.05 1.59 0.00 | 42.01 1.42 0.00 | 46.68 1.33 0.00 | 43.11 1.18 0.00 |
| NYPA_KENT____GT 24152 | 35.78 1.31 0.00 | 35.29 1.25 0.00 | 35.13 1.16 0.00 | 37.46 1.24 0.00 | 34.58 1.14 0.00 | 33.90 1.16 0.00 | 34.50 1.24 0.00 | 45.41 1.64 0.00 | 32.68 1.23 0.00 | 33.25 1.34 0.00 | 33.78 1.43 0.00 | 36.33 1.66 0.00 | 50.83 2.39 0.00 | 53.50 2.30 0.00 | 56.86 2.27 0.00 | 52.40 2.17 0.00 | 68.40 2.88 0.00 | 75.96 3.26 0.00 | 62.08 2.53 0.00 | 61.99 2.60 0.00 | 44.23 1.77 0.00 | 42.20 1.61 0.00 | 46.93 1.57 0.00 | 43.30 1.37 0.00 |
| NYPA_POUCH1____GT 24155 | 35.75 1.28 0.00 | 35.29 1.26 0.00 | 35.28 1.31 0.00 | 37.65 1.42 0.00 | 34.74 1.30 0.00 | 34.05 1.32 0.00 | 34.66 1.40 0.00 | 45.63 1.86 0.00 | 32.82 1.37 0.00 | 33.39 1.47 0.00 | 33.91 1.56 0.00 | 36.46 1.79 0.00 | 51.04 2.60 0.00 | 53.75 2.54 0.00 | 57.15 2.56 0.00 | 52.70 2.47 0.00 | 68.82 3.29 -0.01 | 76.28 3.58 0.00 | 62.20 2.65 0.00 | 62.08 2.69 0.00 | 44.30 1.84 0.00 | 42.22 1.62 0.00 | 46.96 1.61 0.00 | 43.30 1.38 0.00 |
| NYPA_VERNON____GT2 24162 | 35.74 1.27 0.00 | 35.25 1.21 0.00 | 35.07 1.11 0.00 | 37.41 1.18 0.00 | 34.53 1.10 0.00 | 33.85 1.11 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.63 1.18 0.00 | 33.20 1.28 0.00 | 33.72 1.37 0.00 | 36.26 1.60 0.00 | 50.72 2.29 0.00 | 53.40 2.19 0.00 | 56.71 2.12 0.00 | 52.25 2.03 0.00 | 68.19 2.67 0.00 | 75.75 3.06 0.00 | 61.94 2.38 0.00 | 61.83 2.44 0.00 | 44.14 1.68 0.00 | 42.13 1.54 0.00 | 46.84 1.49 0.00 | 43.24 1.32 0.00 |
| NYPA_VERNON____GT3 24163 | 35.74 1.27 0.00 | 35.25 1.21 0.00 | 35.07 1.11 0.00 | 37.41 1.18 0.00 | 34.53 1.10 0.00 | 33.85 1.11 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.63 1.18 0.00 | 33.20 1.28 0.00 | 33.72 1.37 0.00 | 36.26 1.60 0.00 | 50.72 2.29 0.00 | 53.40 2.19 0.00 | 56.71 2.12 0.00 | 52.25 2.03 0.00 | 68.19 2.67 0.00 | 75.75 3.06 0.00 | 61.94 2.38 0.00 | 61.83 2.44 0.00 | 44.14 1.68 0.00 | 42.13 1.54 0.00 | 46.84 1.49 0.00 | 43.24 1.32 0.00 |
| NYPA__ASTORIA_CC1 323568 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.55 0.00 | 50.66 2.22 0.00 | 53.34 2.13 0.00 | 56.64 2.06 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.30 0.00 | 61.74 2.36 0.00 | 44.09 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| NYPA__ASTORIA_CC2 323569 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.03 1.07 0.00 | 37.37 1.15 0.00 | 34.51 1.07 0.00 | 33.82 1.09 0.00 | 34.42 1.16 0.00 | 45.29 1.51 0.00 | 32.60 1.15 0.00 | 33.16 1.25 0.00 | 33.69 1.34 0.00 | 36.22 1.55 0.00 | 50.66 2.22 0.00 | 53.34 2.13 0.00 | 56.64 2.06 0.00 | 52.20 1.97 0.00 | 68.12 2.60 0.00 | 75.68 2.98 0.00 | 61.85 2.30 0.00 | 61.74 2.36 0.00 | 44.09 1.63 0.00 | 42.07 1.48 0.00 | 46.77 1.42 0.00 | 43.18 1.26 0.00 |
| NYPA__HOLTSVILL 23794 | 35.91 1.44 0.00 | 35.31 1.27 0.00 | 35.13 1.16 0.00 | 37.37 1.14 0.00 | 34.57 1.14 0.00 | 33.90 1.17 0.00 | 34.37 1.11 0.00 | 44.89 1.12 0.00 | 32.37 0.92 0.00 | 33.19 0.95 -0.32 | 33.94 1.60 0.00 | 48.64 1.79 -12.18 | 53.88 2.74 -2.70 | 54.58 2.51 -0.87 | 57.89 2.30 -1.01 | 60.44 2.08 -8.13 | 83.20 2.91 -14.78 | 104.50 3.48 -28.33 | 74.13 2.63 -11.95 | 70.20 2.57 -8.24 | 44.11 1.64 -0.01 | 42.17 1.58 0.00 | 46.75 1.39 0.00 | 43.07 1.15 0.00 |
| NYPA____HELLGATE_GT1 24158 | 35.57 1.11 0.00 | 35.06 1.02 0.00 | 34.89 0.92 0.00 | 37.23 1.01 0.00 | 34.37 0.93 0.00 | 33.69 0.96 0.00 | 34.29 1.03 0.00 | 45.16 1.39 0.00 | 32.52 1.07 0.00 | 33.10 1.19 0.00 | 33.67 1.32 0.00 | 36.18 1.51 0.00 | 50.63 2.19 0.00 | 53.28 2.07 0.00 | 56.53 1.95 0.00 | 52.12 1.89 0.00 | 68.06 2.54 0.00 | 75.60 2.91 0.00 | 61.78 2.23 0.00 | 61.68 2.29 0.00 | 44.05 1.59 0.00 | 42.01 1.42 0.00 | 46.68 1.33 0.00 | 43.10 1.18 0.00 |
| NYPA____HELLGATE_GT2 24159 | 35.57 1.11 0.00 | 35.06 1.02 0.00 | 34.89 0.92 0.00 | 37.23 1.01 0.00 | 34.37 0.93 0.00 | 33.69 0.96 0.00 | 34.29 1.03 0.00 | 45.16 1.39 0.00 | 32.52 1.07 0.00 | 33.10 1.19 0.00 | 33.67 1.32 0.00 | 36.18 1.51 0.00 | 50.63 2.19 0.00 | 53.28 2.07 0.00 | 56.53 1.95 0.00 | 52.12 1.89 0.00 | 68.06 2.54 0.00 | 75.60 2.91 0.00 | 61.78 2.23 0.00 | 61.68 2.29 0.00 | 44.05 1.59 0.00 | 42.01 1.42 0.00 | 46.68 1.33 0.00 | 43.10 1.18 0.00 |
| NYS_BARGE__HYD 23848 | 33.30 -1.17 0.00 | 32.95 -1.09 0.00 | 32.83 -1.13 0.00 | 35.25 -0.98 0.00 | 32.26 -1.18 0.00 | 31.53 -1.20 0.00 | 31.88 -1.38 0.00 | 41.69 -2.08 0.00 | 29.37 -2.07 0.00 | 29.89 -2.02 0.00 | 30.42 -1.93 0.00 | 32.62 -2.05 0.00 | 45.35 -3.09 0.00 | 47.85 -3.36 0.00 | 51.34 -3.24 0.00 | 47.41 -2.81 0.00 | 60.68 -4.84 0.00 | 67.47 -5.23 0.00 | 55.56 -3.99 0.00 | 54.98 -4.40 0.00 | 39.82 -2.63 0.00 | 38.10 -2.49 0.00 | 43.20 -2.16 0.00 | 40.62 -1.30 0.00 |
| OAK ORCHARD__HYD 24046 | 33.81 -0.66 0.00 | 33.41 -0.62 0.00 | 33.31 -0.65 0.00 | 35.65 -0.58 0.00 | 32.74 -0.70 0.00 | 32.04 -0.70 0.00 | 32.50 -0.76 0.00 | 42.68 -1.10 0.00 | 30.39 -1.06 0.00 | 30.92 -0.99 0.00 | 31.42 -0.93 0.00 | 33.71 -0.96 0.00 | 47.02 -1.42 0.00 | 49.66 -1.55 0.00 | 53.14 -1.44 0.00 | 49.02 -1.21 0.00 | 63.30 -2.22 0.00 | 70.43 -2.27 0.00 | 57.73 -1.82 0.00 | 57.32 -2.06 0.00 | 41.23 -1.22 0.00 | 39.34 -1.25 0.00 | 44.26 -1.09 0.00 | 41.14 -0.79 0.00 |

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| OAKDALE___35_KV_LOAD 356122 | 34.20 -0.27 0.00 | 33.74 -0.30 0.00 | 33.67 -0.30 0.00 | 35.96 -0.26 0.00 | 33.13 -0.31 0.00 | 32.43 -0.31 0.00 | 32.93 -0.33 0.00 | 43.28 -0.49 0.00 | 31.09 -0.36 0.00 | 31.60 -0.32 0.00 | 32.04 -0.31 0.00 | 34.39 -0.28 0.00 | 48.04 -0.40 0.00 | 50.68 -0.52 0.00 | 54.16 -0.42 0.00 | 49.78 -0.45 0.00 | 64.77 -0.75 0.00 | 71.97 -0.73 0.00 | 59.08 -0.46 0.00 | 58.92 -0.47 0.00 | 42.18 -0.28 0.00 | 40.21 -0.38 0.00 | 44.99 -0.37 0.00 | 41.56 -0.37 0.00 |
| OCC_CHEM___DRP 24175 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.10 0.00 |
| OH_GEN_PROXY 24063 | 33.06 -1.41 0.00 | 32.72 -1.32 0.00 | 32.62 -1.35 0.00 | 35.03 -1.20 0.00 | 32.05 -1.39 0.00 | 31.31 -1.42 0.00 | 31.68 -1.58 0.00 | 41.46 -2.31 0.00 | 29.24 -2.21 0.00 | 29.72 -2.19 0.00 | 30.23 -2.11 0.00 | 32.43 -2.24 0.00 | 45.11 -3.33 0.00 | 47.53 -3.68 0.00 | 50.96 -3.62 0.00 | 47.04 -3.19 0.00 | 60.28 -5.24 0.00 | 67.02 -5.67 0.00 | 55.09 -4.46 0.00 | 54.58 -4.80 0.00 | 39.50 -2.96 0.00 | 37.76 -2.83 0.00 | 42.83 -2.53 0.00 | 40.08 -1.85 0.00 |
| OLIN_CORP_DRP 24177 | 32.91 -1.56 0.00 | 32.58 -1.46 0.00 | 32.47 -1.50 0.00 | 34.87 -1.35 0.00 | 31.92 -1.52 0.00 | 31.20 -1.54 0.00 | 31.51 -1.75 0.00 | 41.16 -2.62 0.00 | 28.98 -2.47 0.00 | 29.46 -2.45 0.00 | 30.01 -2.35 0.00 | 32.16 -2.51 0.00 | 44.69 -3.75 0.00 | 47.17 -4.04 0.00 | 50.56 -4.02 0.00 | 46.70 -3.52 0.00 | 59.72 -5.80 0.00 | 66.34 -6.36 0.00 | 54.67 -4.88 0.00 | 54.09 -5.30 0.00 | 39.22 -3.24 0.00 | 37.55 -3.04 0.00 | 42.60 -2.76 0.00 | 40.18 -1.74 0.00 |
| OLIN_CORP_DSASP 323712 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.10 0.00 |
| ONEIDA_HERK_LFGE 323681 | 35.15 0.68 0.00 | 34.71 0.67 0.00 | 34.63 0.66 0.00 | 36.92 0.69 0.00 | 34.11 0.67 0.00 | 33.41 0.67 0.00 | 33.99 0.73 0.00 | 44.75 0.97 0.00 | 32.23 0.78 0.00 | 32.72 0.81 0.00 | 33.21 0.86 0.00 | 35.64 0.97 0.00 | 49.80 1.36 0.00 | 52.65 1.44 0.00 | 56.20 1.62 0.00 | 51.83 1.60 0.00 | 67.70 2.19 0.00 | 75.13 2.43 0.00 | 61.43 1.88 0.00 | 61.14 1.76 0.00 | 43.68 1.22 0.00 | 41.66 1.07 0.00 | 46.44 1.09 0.00 | 42.86 0.93 0.00 |
| ONEIDA___115KV_TB4 55905 | 35.05 0.58 0.00 | 34.66 0.62 0.00 | 34.59 0.62 0.00 | 36.91 0.68 0.00 | 34.08 0.64 0.00 | 33.39 0.65 0.00 | 33.98 0.72 0.00 | 44.69 0.92 0.00 | 32.17 0.72 0.00 | 32.66 0.75 0.00 | 33.17 0.82 0.00 | 35.58 0.91 0.00 | 49.67 1.23 0.00 | 52.60 1.39 0.00 | 56.21 1.63 0.00 | 51.74 1.51 0.00 | 67.52 2.00 0.00 | 74.70 2.00 0.00 | 61.11 1.56 0.00 | 60.83 1.45 0.00 | 43.46 1.01 0.00 | 41.45 0.85 0.00 | 46.21 0.85 0.00 | 42.64 0.71 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 34.03 -0.44 0.00 | 33.57 -0.47 0.00 | 33.46 -0.51 0.00 | 35.72 -0.51 0.00 | 32.95 -0.49 0.00 | 32.26 -0.48 0.00 | 32.79 -0.47 0.00 | 43.08 -0.70 0.00 | 31.00 -0.45 0.00 | 31.49 -0.42 0.00 | 31.94 -0.40 0.00 | 34.23 -0.44 0.00 | 47.81 -0.63 0.00 | 50.59 -0.61 0.00 | 54.03 -0.55 0.00 | 49.74 -0.49 0.00 | 64.79 -0.73 0.00 | 71.93 -0.77 0.00 | 58.91 -0.64 0.00 | 58.69 -0.70 0.00 | 41.98 -0.48 0.00 | 40.04 -0.55 0.00 | 44.73 -0.63 0.00 | 41.29 -0.63 0.00 |
| ONONDAGA___COGEN 23986 | 33.97 -0.50 0.00 | 33.51 -0.53 0.00 | 33.42 -0.55 0.00 | 35.65 -0.58 0.00 | 32.87 -0.57 0.00 | 32.19 -0.55 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.95 -0.50 0.00 | 31.44 -0.48 0.00 | 31.87 -0.48 0.00 | 34.15 -0.52 0.00 | 47.73 -0.71 0.00 | 50.47 -0.74 0.00 | 53.92 -0.66 0.00 | 49.60 -0.63 0.00 | 64.62 -0.89 0.00 | 71.73 -0.97 0.00 | 58.73 -0.81 0.00 | 58.54 -0.85 0.00 | 41.86 -0.60 0.00 | 39.94 -0.65 0.00 | 44.61 -0.74 0.00 | 41.19 -0.73 0.00 |
| ONTARIO___LFGE 23819 | 33.99 -0.48 0.00 | 33.55 -0.49 0.00 | 33.44 -0.53 0.00 | 35.71 -0.52 0.00 | 32.88 -0.56 0.00 | 32.22 -0.52 0.00 | 32.74 -0.52 0.00 | 43.03 -0.74 0.00 | 30.84 -0.61 0.00 | 31.36 -0.55 0.00 | 31.82 -0.53 0.00 | 34.08 -0.58 0.00 | 47.68 -0.76 0.00 | 50.40 -0.81 0.00 | 53.87 -0.71 0.00 | 49.64 -0.58 0.00 | 64.44 -1.08 0.00 | 71.64 -1.05 0.00 | 58.66 -0.89 0.00 | 58.34 -1.04 0.00 | 41.79 -0.66 0.00 | 39.87 -0.73 0.00 | 44.64 -0.72 0.00 | 41.33 -0.59 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 33.43 -1.04 0.00 | 33.00 -1.04 0.00 | 32.84 -1.13 0.00 | 35.23 -1.00 0.00 | 32.17 -1.27 0.00 | 31.43 -1.30 0.00 | 31.75 -1.52 0.00 | 41.52 -2.25 0.00 | 29.49 -1.96 0.00 | 30.00 -1.92 0.00 | 30.53 -1.82 0.00 | 32.74 -1.92 0.00 | 45.29 -3.14 0.00 | 47.75 -3.45 0.00 | 51.82 -2.77 0.00 | 47.80 -2.42 0.00 | 61.30 -4.22 0.00 | 68.17 -4.52 0.00 | 56.21 -3.34 0.00 | 55.78 -3.60 0.00 | 40.37 -2.08 0.00 | 38.49 -2.10 0.00 | 43.65 -1.70 0.00 | 40.67 -1.26 0.00 |
| ORANGEVILLE___ESR 323794 | 33.43 -1.04 0.00 | 33.00 -1.04 0.00 | 32.84 -1.13 0.00 | 35.23 -1.00 0.00 | 32.17 -1.27 0.00 | 31.43 -1.30 0.00 | 31.75 -1.52 0.00 | 41.52 -2.25 0.00 | 29.49 -1.96 0.00 | 30.00 -1.92 0.00 | 30.53 -1.82 0.00 | 32.74 -1.92 0.00 | 45.29 -3.14 0.00 | 47.75 -3.45 0.00 | 51.82 -2.77 0.00 | 47.80 -2.42 0.00 | 61.30 -4.22 0.00 | 68.17 -4.52 0.00 | 56.21 -3.34 0.00 | 55.78 -3.60 0.00 | 40.37 -2.08 0.00 | 38.49 -2.10 0.00 | 43.65 -1.70 0.00 | 40.67 -1.26 0.00 |
| OSWEGATCHIE___HYD 24044 | 35.33 0.86 0.00 | 34.85 0.81 0.00 | 34.76 0.79 0.00 | 37.04 0.81 0.00 | 34.20 0.76 0.00 | 33.45 0.71 0.00 | 34.07 0.81 0.00 | 44.98 1.20 0.00 | 32.36 0.91 0.00 | 32.83 0.91 0.00 | 33.31 0.96 0.00 | 35.75 1.08 0.00 | 49.96 1.52 0.00 | 52.71 1.51 0.00 | 56.18 1.60 0.00 | 51.97 1.74 0.00 | 67.99 2.47 0.00 | 75.64 2.95 0.00 | 61.96 2.41 0.00 | 61.65 2.26 0.00 | 43.96 1.51 0.00 | 42.04 1.45 0.00 | 46.98 1.62 0.00 | 43.37 1.45 0.00 |
| OSWEGO___5 23606 | 33.46 -1.01 0.00 | 33.02 -1.02 0.00 | 32.93 -1.04 0.00 | 35.12 -1.11 0.00 | 32.40 -1.04 0.00 | 31.73 -1.00 0.00 | 32.23 -1.04 0.00 | 42.36 -1.41 0.00 | 30.47 -0.98 0.00 | 30.94 -0.97 0.00 | 31.36 -0.98 0.00 | 33.59 -1.07 0.00 | 46.94 -1.50 0.00 | 49.62 -1.58 0.00 | 52.95 -1.63 0.00 | 48.74 -1.49 0.00 | 63.46 -2.05 0.00 | 70.44 -2.26 0.00 | 57.69 -1.86 0.00 | 57.51 -1.87 0.00 | 41.15 -1.31 0.00 | 39.30 -1.30 0.00 | 43.91 -1.45 0.00 | 40.57 -1.36 0.00 |
| OSWEGO___6 23613 | 33.46 -1.01 0.00 | 33.02 -1.02 0.00 | 32.93 -1.04 0.00 | 35.12 -1.11 0.00 | 32.40 -1.04 0.00 | 31.73 -1.00 0.00 | 32.23 -1.04 0.00 | 42.36 -1.41 0.00 | 30.47 -0.98 0.00 | 30.94 -0.97 0.00 | 31.36 -0.98 0.00 | 33.59 -1.07 0.00 | 46.94 -1.50 0.00 | 49.62 -1.58 0.00 | 52.95 -1.63 0.00 | 48.74 -1.49 0.00 | 63.46 -2.05 0.00 | 70.44 -2.26 0.00 | 57.69 -1.86 0.00 | 57.51 -1.87 0.00 | 41.15 -1.31 0.00 | 39.30 -1.30 0.00 | 43.91 -1.45 0.00 | 40.57 -1.36 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| OUTOKUMPU-AB___DRP 24206 | 33.52 -0.95 0.00 | 33.16 -0.88 0.00 | 33.04 -0.92 0.00 | 35.49 -0.74 0.00 | 32.45 -0.99 0.00 | 31.72 -1.01 0.00 | 32.09 -1.17 0.00 | 41.98 -1.80 0.00 | 29.59 -1.85 0.00 | 30.11 -1.80 0.00 | 30.64 -1.71 0.00 | 32.89 -1.78 0.00 | 45.69 -2.75 0.00 | 48.18 -3.03 0.00 | 51.72 -2.86 0.00 | 47.74 -2.49 0.00 | 61.12 -4.39 0.00 | 67.86 -4.83 0.00 | 55.82 -3.73 0.00 | 55.27 -4.12 0.00 | 40.03 -2.43 0.00 | 38.26 -2.34 0.00 | 43.39 -1.97 0.00 | 40.66 -1.27 0.00 |
| OXBOW___BTM 323836 | 33.24 -1.23 0.00 | 32.91 -1.13 0.00 | 32.80 -1.17 0.00 | 35.21 -1.01 0.00 | 32.20 -1.24 0.00 | 31.48 -1.26 0.00 | 31.85 -1.41 0.00 | 41.65 -2.12 0.00 | 29.35 -2.10 0.00 | 29.85 -2.07 0.00 | 30.37 -1.98 0.00 | 32.58 -2.08 0.00 | 45.29 -3.15 0.00 | 47.73 -3.48 0.00 | 51.19 -3.39 0.00 | 47.27 -2.96 0.00 | 60.48 -5.04 0.00 | 67.01 -5.69 0.00 | 55.11 -4.43 0.00 | 54.57 -4.81 0.00 | 39.52 -2.93 0.00 | 37.79 -2.80 0.00 | 42.90 -2.46 0.00 | 40.19 -1.74 0.00 |
| OXBOW___ 24026 | 33.24 -1.23 0.00 | 32.91 -1.13 0.00 | 32.80 -1.16 0.00 | 35.21 -1.01 0.00 | 32.20 -1.24 0.00 | 31.48 -1.26 0.00 | 31.84 -1.42 0.00 | 41.65 -2.12 0.00 | 29.35 -2.10 0.00 | 29.85 -2.07 0.00 | 30.37 -1.98 0.00 | 32.58 -2.09 0.00 | 45.29 -3.15 0.00 | 47.72 -3.49 0.00 | 51.18 -3.40 0.00 | 47.27 -2.96 0.00 | 60.48 -5.03 0.00 | 67.01 -5.68 0.00 | 55.11 -4.43 0.00 | 54.57 -4.82 0.00 | 39.53 -2.93 0.00 | 37.79 -2.80 0.00 | 42.90 -2.46 0.00 | 40.19 -1.74 0.00 |
| OXY_CHEM_DSASP 323612 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.10 0.00 |
| OZONE_PARK_ESR 323760 | 35.95 1.48 0.00 | 35.45 1.41 0.00 | 35.27 1.30 0.00 | 37.59 1.36 0.00 | 34.69 1.25 0.00 | 34.01 1.27 0.00 | 34.63 1.37 0.00 | 45.57 1.79 0.00 | 32.80 1.36 0.00 | 33.38 1.46 0.00 | 33.90 1.55 0.00 | 36.49 1.83 0.00 | 51.07 2.63 0.00 | 53.79 2.58 0.00 | 57.19 2.61 0.00 | 52.68 2.45 0.00 | 68.82 3.30 0.00 | 76.50 3.81 0.00 | 62.56 3.02 0.00 | 62.42 3.03 0.00 | 44.52 2.06 0.00 | 42.45 1.86 0.00 | 47.19 1.84 0.00 | 43.51 1.59 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.06 -1.17 0.00 | 32.05 -1.39 0.00 | 31.32 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.36 -2.31 0.00 | 44.96 -3.48 0.00 | 47.37 -3.84 0.00 | 50.76 -3.82 0.00 | 46.89 -3.33 0.00 | 59.97 -5.55 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.40 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.10 0.00 |
| PACKARD___115KV_DUPONT_184 80571 | 33.06 -1.40 0.00 | 32.74 -1.30 0.00 | 32.65 -1.32 0.00 | 35.05 -1.17 0.00 | 32.05 -1.39 0.00 | 31.33 -1.41 0.00 | 31.68 -1.58 0.00 | 41.45 -2.33 0.00 | 29.16 -2.28 0.00 | 29.65 -2.26 0.00 | 30.17 -2.18 0.00 | 32.35 -2.31 0.00 | 44.97 -3.47 0.00 | 47.37 -3.84 0.00 | 50.77 -3.81 0.00 | 46.89 -3.33 0.00 | 59.98 -5.54 0.00 | 66.30 -6.40 0.00 | 54.53 -5.02 0.00 | 53.98 -5.41 0.00 | 39.12 -3.34 0.00 | 37.43 -3.17 0.00 | 42.52 -2.84 0.00 | 39.82 -2.11 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 35.69 1.23 0.00 | 35.17 1.13 0.00 | 35.00 1.03 0.00 | 37.34 1.11 0.00 | 34.47 1.03 0.00 | 33.79 1.05 0.00 | 34.38 1.12 0.00 | 45.25 1.48 0.00 | 32.53 1.08 0.00 | 33.09 1.18 0.00 | 33.63 1.28 0.00 | 36.14 1.48 0.00 | 50.59 2.15 0.00 | 53.29 2.09 0.00 | 56.59 2.01 0.00 | 52.18 1.95 0.00 | 68.12 2.60 0.00 | 75.69 2.99 0.00 | 61.92 2.37 0.00 | 61.81 2.42 0.00 | 44.14 1.68 0.00 | 42.11 1.52 0.00 | 46.81 1.45 0.00 | 43.22 1.29 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 36.34 1.87 0.00 | 35.76 1.72 0.00 | 35.57 1.60 0.00 | 38.02 1.80 0.00 | 35.11 1.68 0.00 | 34.43 1.69 0.00 | 35.05 1.79 0.00 | 46.12 2.35 0.00 | 33.20 1.75 0.00 | 33.77 1.86 0.00 | 34.30 1.96 0.00 | 36.87 2.20 0.00 | 51.62 3.18 0.00 | 54.35 3.14 0.00 | 57.72 3.14 0.00 | 53.20 2.97 0.00 | 69.46 3.95 0.00 | 77.21 4.51 0.00 | 63.00 3.45 0.00 | 62.96 3.58 0.00 | 44.93 2.47 0.00 | 42.78 2.19 0.00 | 47.65 2.30 0.00 | 44.04 2.12 0.00 |
| PATROON___115KV_TB1 80586 | 34.68 0.21 0.00 | 34.36 0.32 0.00 | 34.35 0.39 0.00 | 36.64 0.42 0.00 | 33.95 0.51 0.00 | 33.23 0.50 0.00 | 33.73 0.46 0.00 | 44.31 0.53 0.00 | 31.86 0.41 0.00 | 32.32 0.41 0.00 | 32.69 0.35 0.00 | 35.04 0.37 0.00 | 48.95 0.51 0.00 | 51.96 0.75 0.00 | 55.49 0.91 0.00 | 50.83 0.61 0.00 | 66.46 0.94 0.00 | 73.47 0.77 0.00 | 60.00 0.45 0.00 | 59.81 0.43 0.00 | 42.81 0.36 0.00 | 40.87 0.28 0.00 | 45.57 0.21 0.00 | 42.09 0.16 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 35.09 0.62 0.00 | 34.66 0.62 0.00 | 34.59 0.62 0.00 | 36.84 0.62 0.00 | 34.04 0.60 0.00 | 33.34 0.61 0.00 | 33.90 0.63 0.00 | 44.62 0.84 0.00 | 32.01 0.56 0.00 | 32.49 0.58 0.00 | 32.93 0.59 0.00 | 35.27 0.60 0.00 | 49.32 0.88 0.00 | 52.31 1.11 0.00 | 55.80 1.21 0.00 | 51.30 1.08 0.00 | 67.04 1.52 0.00 | 74.32 1.62 0.00 | 60.76 1.21 0.00 | 60.62 1.24 0.00 | 43.42 0.96 0.00 | 41.43 0.84 0.00 | 46.21 0.85 0.00 | 42.65 0.72 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 33.48 -0.99 0.00 | 33.08 -0.96 0.00 | 32.96 -1.01 0.00 | 35.40 -0.83 0.00 | 32.36 -1.08 0.00 | 31.66 -1.07 0.00 | 32.04 -1.22 0.00 | 41.95 -1.83 0.00 | 29.68 -1.76 0.00 | 30.20 -1.71 0.00 | 30.72 -1.63 0.00 | 33.00 -1.67 0.00 | 45.85 -2.58 0.00 | 48.33 -2.88 0.00 | 51.97 -2.62 0.00 | 47.89 -2.34 0.00 | 61.48 -4.04 0.00 | 68.48 -4.21 0.00 | 56.38 -3.17 0.00 | 55.88 -3.50 0.00 | 40.42 -2.04 0.00 | 38.56 -2.03 0.00 | 43.68 -1.67 0.00 | 40.74 -1.18 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 35.63 1.16 0.00 | 35.15 1.11 0.00 | 35.01 1.04 0.00 | 37.33 1.10 0.00 | 34.47 1.03 0.00 | 33.78 1.04 0.00 | 34.38 1.12 0.00 | 45.25 1.47 0.00 | 32.58 1.13 0.00 | 33.12 1.20 0.00 | 33.62 1.27 0.00 | 36.16 1.50 0.00 | 50.65 2.21 0.00 | 53.43 2.22 0.00 | 56.85 2.27 0.00 | 52.31 2.08 0.00 | 68.42 2.91 0.00 | 76.02 3.33 0.00 | 62.13 2.58 0.00 | 61.94 2.56 0.00 | 44.19 1.74 0.00 | 42.11 1.52 0.00 | 46.83 1.47 0.00 | 43.18 1.26 0.00 |
| PEEKSKILL___ 23653 | 35.29 0.82 0.00 | 34.82 0.78 0.00 | 34.68 0.71 0.00 | 36.98 0.75 0.00 | 34.14 0.70 0.00 | 33.45 0.72 0.00 | 34.05 0.79 0.00 | 44.82 1.04 0.00 | 32.24 0.80 0.00 | 32.77 0.86 0.00 | 33.29 0.94 0.00 | 35.79 1.13 0.00 | 50.10 1.67 0.00 | 52.81 1.60 0.00 | 56.15 1.57 0.00 | 51.70 1.48 0.00 | 67.63 2.11 0.00 | 75.08 2.38 0.00 | 61.38 1.83 0.00 | 61.21 1.82 0.00 | 43.68 1.22 0.00 | 41.65 1.06 0.00 | 46.36 1.01 0.00 | 42.78 0.85 0.00 |
| PGE MADISON___WINDPWR 24146 | 36.68 2.21 0.00 | 36.13 2.09 0.00 | 35.89 1.93 0.00 | 38.24 2.02 0.00 | 35.08 1.64 0.00 | 34.51 1.77 0.00 | 34.91 1.65 0.00 | 45.93 2.15 0.00 | 33.09 1.64 0.00 | 33.62 1.71 0.00 | 34.19 1.84 0.00 | 36.34 1.67 0.00 | 50.91 2.47 0.00 | 53.29 2.08 0.00 | 56.35 1.76 0.00 | 51.26 1.03 0.00 | 67.06 1.55 0.00 | 75.52 2.83 0.00 | 62.91 3.36 0.00 | 62.89 3.51 0.00 | 45.18 2.72 0.00 | 43.04 2.45 0.00 | 48.01 2.66 0.00 | 44.30 2.38 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| PIERCEFIELD___HYD 23852 | 35.78 1.31 0.00 | 35.32 1.28 0.00 | 35.23 1.27 0.00 | 37.56 1.34 0.00 | 34.64 1.20 0.00 | 33.88 1.14 0.00 | 34.52 1.26 0.00 | 45.63 1.86 0.00 | 32.74 1.30 0.00 | 33.17 1.26 0.00 | 33.63 1.28 0.00 | 36.05 1.39 0.00 | 50.33 1.89 0.00 | 53.09 1.89 0.00 | 56.56 1.98 0.00 | 52.30 2.07 0.00 | 68.36 2.85 0.00 | 76.13 3.44 0.00 | 62.53 2.98 0.00 | 62.25 2.87 0.00 | 44.40 1.94 0.00 | 42.52 1.93 0.00 | 47.64 2.28 0.00 | 44.09 2.16 0.00 |
| PINELAWN_CC_1 323563 | 35.91 1.44 0.00 | 35.32 1.27 0.00 | 35.15 1.18 0.00 | 37.43 1.21 0.00 | 34.59 1.15 0.00 | 33.91 1.17 0.00 | 34.39 1.13 0.00 | 45.01 1.24 0.00 | 32.40 0.96 0.00 | 32.96 0.99 -0.05 | 33.93 1.58 0.00 | 50.38 1.89 -13.82 | 54.34 2.84 -3.07 | 54.85 2.66 -0.99 | 57.27 2.52 -0.16 | 53.90 2.36 -1.32 | 73.88 3.22 -5.15 | 96.35 3.74 -19.91 | 65.90 2.93 -3.42 | 63.59 2.87 -1.34 | 44.32 1.86 0.00 | 42.33 1.74 0.00 | 46.92 1.56 0.00 | 43.24 1.32 0.00 |
| PJM_GEN_HTTP_PROXY 323702 | 35.64 1.17 0.00 | 35.15 1.11 0.00 | 34.98 1.01 0.00 | 37.30 1.07 0.00 | 34.44 1.00 0.00 | 33.76 1.02 0.00 | 34.36 1.10 0.00 | 45.21 1.44 0.00 | 32.55 1.10 0.00 | 33.11 1.19 0.00 | 33.60 1.26 0.00 | 36.15 1.49 0.00 | 50.58 2.14 0.00 | 53.29 2.08 0.00 | 56.76 2.07 -0.10 | 52.15 1.93 0.00 | 68.15 2.64 0.00 | 75.72 3.02 0.00 | 61.92 2.37 0.00 | 61.75 2.37 0.00 | 44.06 1.60 0.00 | 42.03 1.44 0.00 | 46.74 1.38 0.00 | 45.47 1.19 -2.36 |
| PJM_GEN_KEystone 24065 | 28.05 -0.62 5.79 | 33.41 -0.63 0.00 | 33.29 -0.68 0.00 | 35.63 -0.60 0.00 | 32.74 -0.70 0.00 | 26.30 -0.69 5.75 | 23.91 -0.70 8.65 | 42.77 -1.01 0.00 | 30.60 -0.84 0.00 | 31.21 -0.80 -0.10 | 30.60 -0.76 0.99 | 33.60 -0.70 0.37 | 47.44 -1.00 0.00 | 48.17 -1.31 1.74 | 49.44 -1.20 3.95 | 49.05 -1.10 0.08 | 63.88 -1.71 -0.07 | 70.88 -1.81 0.00 | 58.20 -1.35 0.00 | 57.99 -1.40 0.00 | 41.58 -0.88 0.00 | 39.60 -0.99 0.00 | 44.45 -0.91 0.00 | 43.52 -0.75 -2.35 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 35.57 1.11 0.00 | 35.02 0.98 0.00 | 34.86 0.89 0.00 | 37.15 0.92 0.00 | 34.32 0.88 0.00 | 33.65 0.91 0.00 | 34.13 0.87 0.00 | 44.72 0.94 0.00 | 32.21 0.76 0.00 | 32.75 0.84 0.00 | 33.66 1.31 0.00 | 47.57 1.52 -11.39 | 53.22 2.26 -2.53 | 54.11 2.09 -0.81 | 56.60 1.91 -0.11 | 52.01 1.78 0.00 | 70.63 2.47 -2.64 | 90.31 2.90 -14.71 | 63.18 2.22 -1.42 | 61.56 2.17 0.00 | 43.87 1.41 0.00 | 41.93 1.33 0.00 | 46.50 1.15 0.00 | 45.26 0.98 -2.36 |
| PJM_GEN_VFT_PROXY 323633 | 35.56 1.10 0.00 | 35.06 1.02 0.00 | 34.85 0.88 0.00 | 37.15 0.93 0.00 | 34.30 0.86 0.00 | 33.62 0.88 0.00 | 34.23 0.96 0.00 | 45.05 1.28 0.00 | 32.42 0.98 0.00 | 32.98 1.07 0.00 | 33.49 1.14 0.00 | 36.02 1.35 0.00 | 50.41 1.97 0.00 | 53.08 1.87 0.00 | 56.53 1.85 -0.10 | 51.99 1.76 0.00 | 67.94 2.43 0.00 | 75.53 2.83 0.00 | 61.78 2.23 0.00 | 61.64 2.26 0.00 | 43.97 1.51 0.00 | 41.94 1.34 0.00 | 46.63 1.28 0.00 | 45.39 1.10 -2.36 |
| PLATSBURG_115KV_PMLD1 355749 | 35.48 1.01 0.00 | 35.02 0.98 0.00 | 34.94 0.98 0.00 | 37.24 1.01 0.00 | 34.30 0.86 0.00 | 33.53 0.79 0.00 | 34.02 0.76 0.00 | 44.89 1.12 0.00 | 32.13 0.68 0.00 | 32.28 0.37 0.00 | 32.54 0.20 0.00 | 34.75 0.08 0.00 | 48.18 -0.25 0.00 | 50.85 -0.36 0.00 | 54.22 -0.36 0.00 | 50.10 -0.12 0.00 | 65.52 0.00 0.00 | 72.93 0.24 0.00 | 59.94 0.39 0.00 | 59.76 0.37 0.00 | 42.67 0.22 0.00 | 41.18 0.58 0.00 | 46.64 1.28 0.00 | 43.27 1.34 0.00 |
| PLEASANTVLY___LBMP 24000 | 35.17 0.70 0.00 | 34.71 0.67 0.00 | 34.59 0.62 0.00 | 36.89 0.67 0.00 | 34.07 0.63 0.00 | 33.38 0.64 0.00 | 33.95 0.69 0.00 | 44.68 0.90 0.00 | 32.14 0.69 0.00 | 32.66 0.75 0.00 | 33.17 0.82 0.00 | 35.64 0.98 0.00 | 49.90 1.46 0.00 | 52.63 1.42 0.00 | 56.00 1.42 0.00 | 51.50 1.27 0.00 | 67.31 1.80 0.00 | 74.70 2.01 0.00 | 61.08 1.53 0.00 | 60.93 1.54 0.00 | 43.49 1.03 0.00 | 41.50 0.90 0.00 | 46.20 0.84 0.00 | 42.62 0.69 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 35.46 0.99 0.00 | 34.99 0.95 0.00 | 34.84 0.87 0.00 | 37.15 0.92 0.00 | 34.30 0.86 0.00 | 33.61 0.87 0.00 | 34.19 0.93 0.00 | 45.00 1.22 0.00 | 32.37 0.92 0.00 | 32.91 1.00 0.00 | 33.44 1.09 0.00 | 35.97 1.30 0.00 | 50.34 1.90 0.00 | 53.05 1.85 0.00 | 56.42 1.83 0.00 | 51.93 1.70 0.00 | 67.89 2.38 0.00 | 75.40 2.70 0.00 | 61.67 2.12 0.00 | 61.50 2.12 0.00 | 43.90 1.44 0.00 | 41.88 1.28 0.00 | 46.57 1.22 0.00 | 42.96 1.04 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 35.46 0.99 0.00 | 34.99 0.95 0.00 | 34.84 0.87 0.00 | 37.15 0.92 0.00 | 34.30 0.86 0.00 | 33.61 0.87 0.00 | 34.19 0.93 0.00 | 45.00 1.22 0.00 | 32.37 0.92 0.00 | 32.91 1.00 0.00 | 33.44 1.09 0.00 | 35.97 1.30 0.00 | 50.34 1.90 0.00 | 53.05 1.85 0.00 | 56.42 1.83 0.00 | 51.93 1.70 0.00 | 67.89 2.38 0.00 | 75.40 2.70 0.00 | 61.67 2.12 0.00 | 61.50 2.12 0.00 | 43.90 1.44 0.00 | 41.88 1.28 0.00 | 46.57 1.22 0.00 | 42.96 1.04 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 35.45 0.98 0.00 | 34.98 0.94 0.00 | 34.86 0.89 0.00 | 37.17 0.95 0.00 | 34.34 0.90 0.00 | 33.66 0.92 0.00 | 34.24 0.97 0.00 | 45.06 1.29 0.00 | 32.42 0.98 0.00 | 32.95 1.04 0.00 | 33.43 1.08 0.00 | 35.92 1.25 0.00 | 50.31 1.88 0.00 | 53.14 1.93 0.00 | 56.55 1.97 0.00 | 51.98 1.76 0.00 | 68.01 2.49 0.00 | 75.52 2.82 0.00 | 61.73 2.18 0.00 | 61.54 2.16 0.00 | 43.92 1.46 0.00 | 41.89 1.30 0.00 | 46.60 1.25 0.00 | 42.98 1.06 0.00 |
| POLETTI_____ 23519 | 35.53 1.06 0.01 | 35.00 0.97 0.01 | 34.83 0.87 0.00 | 37.18 0.96 0.00 | 34.34 0.90 0.00 | 33.65 0.91 0.00 | 34.25 0.99 0.00 | 45.11 1.33 0.00 | 32.52 1.07 0.00 | 33.10 1.18 0.00 | 33.68 1.33 0.00 | 36.19 1.53 0.00 | 50.62 2.18 0.00 | 53.31 2.10 0.00 | 56.58 2.00 0.00 | 52.18 1.95 0.00 | 68.12 2.61 0.00 | 75.67 2.98 0.00 | 61.75 2.20 0.00 | 61.61 2.23 0.00 | 44.00 1.54 0.00 | 41.97 1.38 0.00 | 46.61 1.25 0.00 | 43.02 1.10 0.00 |
| POMONA___ESR 323819 | 35.32 0.85 0.00 | 34.85 0.81 0.00 | 34.70 0.73 0.00 | 37.01 0.79 0.00 | 34.16 0.72 0.00 | 33.48 0.74 0.00 | 34.07 0.81 0.00 | 44.86 1.09 0.00 | 32.27 0.83 0.00 | 32.80 0.88 0.00 | 33.31 0.96 0.00 | 35.82 1.15 0.00 | 50.15 1.71 0.00 | 52.84 1.63 0.00 | 56.20 1.62 0.00 | 51.76 1.53 0.00 | 67.73 2.21 0.00 | 75.18 2.48 0.00 | 61.46 1.91 0.00 | 61.28 1.90 0.00 | 43.73 1.27 0.00 | 41.71 1.12 0.00 | 46.43 1.08 0.00 | 42.86 0.94 0.00 |
| PORT_JEFF_3 23555 | 35.97 1.50 0.00 | 35.37 1.33 0.00 | 35.18 1.21 0.00 | 37.43 1.21 0.00 | 34.63 1.19 0.00 | 33.96 1.22 0.00 | 34.43 1.17 0.00 | 44.97 1.19 0.00 | 32.43 0.98 0.00 | 33.22 1.01 -0.30 | 34.01 1.66 0.00 | 48.73 1.86 -12.20 | 54.00 2.86 -2.71 | 54.71 2.63 -0.87 | 57.95 2.42 -0.95 | 60.09 2.22 -7.65 | 82.67 3.09 -14.07 | 103.98 3.67 -27.61 | 73.67 2.79 -11.33 | 69.86 2.73 -7.75 | 44.20 1.73 -0.01 | 42.27 1.67 0.00 | 46.84 1.48 0.00 | 43.15 1.23 0.00 |
| PORT_JEFF_4 23616 | 35.97 1.50 0.00 | 35.37 1.33 0.00 | 35.18 1.21 0.00 | 37.43 1.21 0.00 | 34.63 1.19 0.00 | 33.96 1.22 0.00 | 34.43 1.17 0.00 | 44.97 1.19 0.00 | 32.43 0.98 0.00 | 33.22 1.01 -0.30 | 34.01 1.66 0.00 | 48.73 1.86 -12.20 | 54.00 2.86 -2.71 | 54.71 2.63 -0.87 | 57.95 2.42 -0.95 | 60.09 2.22 -7.65 | 82.67 3.09 -14.07 | 103.98 3.67 -27.61 | 73.67 2.79 -11.33 | 69.86 2.73 -7.75 | 44.20 1.73 -0.01 | 42.27 1.67 0.00 | 46.84 1.48 0.00 | 43.15 1.23 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| PORT_JEFF_IC 23713 | 36.01 1.55 0.00 | 35.38 1.35 0.00 | 35.21 1.24 0.00 | 37.46 1.23 0.00 | 34.65 1.21 0.00 | 33.98 1.25 0.00 | 34.45 1.19 0.00 | 45.00 1.23 0.00 | 32.45 1.01 0.00 | 33.20 1.04 -0.25 | 34.05 1.70 0.00 | 48.83 1.89 -12.28 | 54.08 2.92 -2.72 | 54.77 2.69 -0.88 | 57.87 2.51 -0.78 | 58.79 2.28 -6.28 | 80.77 3.17 -12.08 | 102.08 3.79 -25.59 | 72.03 2.90 -9.59 | 68.58 2.83 -6.37 | 44.26 1.79 -0.01 | 42.32 1.73 0.00 | 46.89 1.53 0.00 | 43.19 1.26 0.00 |
| PPL PILGRIM_ST_GT1 24216 | 36.15 1.68 0.00 | 35.55 1.51 0.00 | 35.37 1.40 0.00 | 37.67 1.44 0.00 | 34.82 1.38 0.00 | 34.13 1.39 0.00 | 34.60 1.34 0.00 | 45.25 1.47 0.00 | 32.58 1.14 0.00 | 33.36 1.18 -0.27 | 34.17 1.82 0.00 | 49.41 2.13 -12.61 | 54.45 3.21 -2.80 | 55.10 3.00 -0.90 | 58.30 2.88 -0.83 | 59.65 2.74 -6.69 | 81.86 3.59 -12.75 | 103.48 4.13 -26.65 | 73.03 3.33 -10.15 | 69.48 3.32 -6.78 | 44.61 2.15 -0.01 | 42.57 1.97 0.00 | 47.12 1.77 0.00 | 43.45 1.53 0.00 |
| PPL PILGRIM_ST_GT2 24217 | 36.15 1.68 0.00 | 35.55 1.51 0.00 | 35.37 1.40 0.00 | 37.67 1.44 0.00 | 34.82 1.38 0.00 | 34.13 1.39 0.00 | 34.60 1.34 0.00 | 45.25 1.47 0.00 | 32.58 1.14 0.00 | 33.36 1.18 -0.27 | 34.17 1.82 0.00 | 49.41 2.13 -12.61 | 54.45 3.21 -2.80 | 55.10 3.00 -0.90 | 58.30 2.88 -0.83 | 59.65 2.74 -6.69 | 81.86 3.59 -12.75 | 103.48 4.13 -26.65 | 73.03 3.33 -10.15 | 69.48 3.32 -6.78 | 44.61 2.15 -0.01 | 42.57 1.97 0.00 | 47.12 1.77 0.00 | 43.45 1.53 0.00 |
| PPL_SHRM_GT3 24213 | 36.21 1.74 0.00 | 35.58 1.54 0.00 | 35.38 1.41 0.00 | 37.60 1.37 0.00 | 34.80 1.36 0.00 | 34.16 1.42 0.00 | 34.60 1.35 0.00 | 45.14 1.37 0.00 | 32.59 1.14 0.00 | 33.34 1.14 -0.29 | 34.14 1.79 0.00 | 48.88 1.97 -12.24 | 54.23 3.07 -2.72 | 54.89 2.81 -0.87 | 58.09 2.60 -0.91 | 59.86 2.36 -7.28 | 82.37 3.32 -13.53 | 103.76 3.98 -27.08 | 73.40 2.99 -10.86 | 69.69 2.94 -7.37 | 44.29 1.83 -0.01 | 42.38 1.79 0.00 | 47.01 1.65 0.00 | 43.28 1.35 0.00 |
| PPL_SHRM_GT4 24214 | 36.21 1.74 0.00 | 35.58 1.54 0.00 | 35.38 1.41 0.00 | 37.60 1.37 0.00 | 34.80 1.36 0.00 | 34.16 1.42 0.00 | 34.60 1.35 0.00 | 45.14 1.37 0.00 | 32.59 1.14 0.00 | 33.34 1.14 -0.29 | 34.14 1.79 0.00 | 48.88 1.97 -12.24 | 54.23 3.07 -2.72 | 54.89 2.81 -0.87 | 58.09 2.60 -0.91 | 59.86 2.36 -7.28 | 82.37 3.32 -13.53 | 103.76 3.98 -27.08 | 73.40 2.99 -10.86 | 69.69 2.94 -7.37 | 44.29 1.83 -0.01 | 42.38 1.79 0.00 | 47.01 1.65 0.00 | 43.28 1.35 0.00 |
| PROJECT___ORANGE 1 24174 | 33.79 -0.68 0.00 | 33.33 -0.70 0.00 | 33.24 -0.73 0.00 | 35.47 -0.76 0.00 | 32.72 -0.72 0.00 | 32.04 -0.69 0.00 | 32.56 -0.70 0.00 | 42.77 -1.00 0.00 | 30.78 -0.67 0.00 | 31.26 -0.66 0.00 | 31.71 -0.64 0.00 | 33.98 -0.69 0.00 | 47.48 -0.96 0.00 | 50.21 -1.00 0.00 | 53.62 -0.97 0.00 | 49.34 -0.89 0.00 | 64.26 -1.25 0.00 | 71.31 -1.39 0.00 | 58.41 -1.14 0.00 | 58.18 -1.21 0.00 | 41.63 -0.83 0.00 | 39.71 -0.87 0.00 | 44.37 -0.99 0.00 | 40.98 -0.94 0.00 |
| PROJECT___ORANGE 2 24166 | 33.79 -0.68 0.00 | 33.33 -0.70 0.00 | 33.24 -0.73 0.00 | 35.47 -0.76 0.00 | 32.72 -0.72 0.00 | 32.04 -0.69 0.00 | 32.56 -0.70 0.00 | 42.77 -1.00 0.00 | 30.78 -0.67 0.00 | 31.26 -0.66 0.00 | 31.71 -0.64 0.00 | 33.98 -0.69 0.00 | 47.48 -0.96 0.00 | 50.21 -1.00 0.00 | 53.62 -0.97 0.00 | 49.34 -0.89 0.00 | 64.26 -1.25 0.00 | 71.31 -1.39 0.00 | 58.41 -1.14 0.00 | 58.18 -1.21 0.00 | 41.63 -0.83 0.00 | 39.71 -0.87 0.00 | 44.37 -0.99 0.00 | 40.98 -0.94 0.00 |
| PUCKETT___SOLAR 323809 | 34.18 -0.29 0.00 | 33.72 -0.32 0.00 | 33.64 -0.33 0.00 | 35.93 -0.29 0.00 | 33.10 -0.33 0.00 | 32.41 -0.32 0.00 | 32.90 -0.36 0.00 | 43.24 -0.53 0.00 | 31.08 -0.37 0.00 | 31.57 -0.34 0.00 | 32.02 -0.33 0.00 | 34.36 -0.31 0.00 | 47.99 -0.45 0.00 | 50.65 -0.56 0.00 | 54.14 -0.44 0.00 | 50.05 -0.18 0.00 | 65.34 -0.18 0.00 | 72.92 0.22 0.00 | 60.06 0.51 0.00 | 59.84 0.46 0.00 | 42.89 0.44 0.00 | 40.91 0.31 0.00 | 45.71 0.36 0.00 | 42.22 0.29 0.00 |
| PYRITES___HYD 24023 | 36.31 1.84 0.00 | 35.83 1.80 0.00 | 35.76 1.79 0.00 | 38.12 1.89 0.00 | 35.15 1.72 0.00 | 34.39 1.66 0.00 | 35.06 1.80 0.00 | 46.38 2.61 0.00 | 33.26 1.82 0.00 | 33.70 1.79 0.00 | 34.18 1.84 0.00 | 36.64 1.98 0.00 | 51.20 2.76 0.00 | 54.04 2.83 0.00 | 57.55 2.97 0.00 | 53.26 3.04 0.00 | 69.68 4.17 0.00 | 77.67 4.97 0.00 | 63.77 4.22 0.00 | 63.43 4.04 0.00 | 45.18 2.73 0.00 | 43.27 2.68 0.00 | 48.44 3.09 0.00 | 44.82 2.90 0.00 |
| QUAKERRD_115KV_BK1 80622 | 33.00 -1.46 0.00 | 32.61 -1.43 0.00 | 32.50 -1.47 0.00 | 34.76 -1.47 0.00 | 31.97 -1.47 0.00 | 31.31 -1.42 0.00 | 31.78 -1.49 0.00 | 41.74 -2.03 0.00 | 29.80 -1.65 0.00 | 30.30 -1.61 0.00 | 30.78 -1.57 0.00 | 33.00 -1.66 0.00 | 46.09 -2.35 0.00 | 48.68 -2.53 0.00 | 52.04 -2.54 0.00 | 47.97 -2.26 0.00 | 62.11 -3.40 0.00 | 69.06 -3.64 0.00 | 56.57 -2.98 0.00 | 56.21 -3.17 0.00 | 40.38 -2.08 0.00 | 38.52 -2.07 0.00 | 43.24 -2.12 0.00 | 40.13 -1.79 0.00 |
| QUENSBRY_115KV_TB8 356137 | 36.36 1.89 0.00 | 35.99 1.95 0.00 | 35.97 2.01 0.00 | 38.37 2.15 0.00 | 35.52 2.08 0.00 | 34.90 2.17 0.00 | 35.53 2.27 0.00 | 46.74 2.97 0.00 | 33.42 1.97 0.00 | 34.00 2.09 0.00 | 34.45 2.10 0.00 | 36.92 2.25 0.00 | 51.66 3.22 0.00 | 54.97 3.76 0.00 | 58.84 4.26 0.00 | 53.53 3.30 0.00 | 70.28 4.77 0.00 | 77.49 4.79 0.00 | 63.01 3.47 0.00 | 62.79 3.40 0.00 | 45.06 2.60 0.00 | 43.02 2.43 0.00 | 48.10 2.75 0.00 | 44.21 2.29 0.00 |
| RAMAPO___LBMP 323565 | 35.19 0.72 0.00 | 34.72 0.68 0.00 | 34.58 0.61 0.00 | 36.88 0.65 0.00 | 34.04 0.60 0.00 | 33.36 0.62 0.00 | 33.96 0.69 0.00 | 44.71 0.93 0.00 | 32.16 0.71 0.00 | 32.67 0.76 0.00 | 33.18 0.83 0.00 | 35.67 1.00 0.00 | 49.95 1.51 0.00 | 52.61 1.40 0.00 | 55.96 1.38 0.00 | 51.55 1.33 0.00 | 67.44 1.92 0.00 | 74.85 2.15 0.00 | 61.20 1.66 0.00 | 61.04 1.65 0.00 | 43.55 1.09 0.00 | 41.53 0.94 0.00 | 46.25 0.90 0.00 | 42.70 0.78 0.00 |
| RANKINE____ 23646 | 33.60 -0.87 0.00 | 33.22 -0.82 0.00 | 33.08 -0.89 0.00 | 35.53 -0.70 0.00 | 32.47 -0.97 0.00 | 31.75 -0.98 0.00 | 32.12 -1.14 0.00 | 42.04 -1.73 0.00 | 29.71 -1.74 0.00 | 30.22 -1.70 0.00 | 30.74 -1.61 0.00 | 33.00 -1.67 0.00 | 45.84 -2.59 0.00 | 48.33 -2.88 0.00 | 51.98 -2.60 0.00 | 47.92 -2.30 0.00 | 61.45 -4.07 0.00 | 68.43 -4.26 0.00 | 56.32 -3.22 0.00 | 55.81 -3.58 0.00 | 40.40 -2.06 0.00 | 38.57 -2.02 0.00 | 43.71 -1.64 0.00 | 40.83 -1.09 0.00 |
| RAVENSWOOD_GT2_1 24244 | 35.71 1.24 0.00 | 35.21 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.23 0.00 | 53.37 2.16 0.00 | 56.73 2.14 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.82 3.13 0.00 | 62.02 2.47 0.00 | 61.89 2.51 0.00 | 44.15 1.70 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD_GT2_2 24245 | 35.71 1.24 0.00 | 35.21 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.23 0.00 | 53.37 2.16 0.00 | 56.73 2.14 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.82 3.13 0.00 | 62.02 2.47 0.00 | 61.89 2.51 0.00 | 44.15 1.70 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |

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|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| RAVENSWOOD_GT2_3 24246 | 35.72 1.25 0.00 | 35.22 1.18 0.00 | 35.05 1.08 0.00 | 37.37 1.14 0.00 | 34.50 1.06 0.00 | 33.81 1.08 0.00 | 34.42 1.16 0.00 | 45.29 1.52 0.00 | 32.59 1.14 0.00 | 33.15 1.24 0.00 | 33.68 1.33 0.00 | 36.23 1.56 0.00 | 50.70 2.26 0.00 | 53.39 2.18 0.00 | 56.76 2.17 0.00 | 52.26 2.04 0.00 | 68.28 2.77 0.00 | 75.86 3.17 0.00 | 62.06 2.51 0.00 | 61.91 2.53 0.00 | 44.18 1.72 0.00 | 42.14 1.55 0.00 | 46.86 1.50 0.00 | 43.22 1.30 0.00 |
| RAVENSWOOD_GT2_4 24247 | 35.72 1.25 0.00 | 35.22 1.18 0.00 | 35.05 1.08 0.00 | 37.37 1.14 0.00 | 34.50 1.06 0.00 | 33.81 1.08 0.00 | 34.42 1.16 0.00 | 45.29 1.52 0.00 | 32.59 1.14 0.00 | 33.15 1.24 0.00 | 33.68 1.33 0.00 | 36.23 1.56 0.00 | 50.70 2.26 0.00 | 53.39 2.18 0.00 | 56.76 2.17 0.00 | 52.26 2.04 0.00 | 68.28 2.77 0.00 | 75.86 3.17 0.00 | 62.06 2.51 0.00 | 61.91 2.53 0.00 | 44.18 1.72 0.00 | 42.14 1.55 0.00 | 46.86 1.50 0.00 | 43.22 1.30 0.00 |
| RAVENSWOOD_GT3_1 24248 | 35.71 1.24 0.00 | 35.21 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.16 0.00 | 56.73 2.14 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.82 3.13 0.00 | 62.02 2.48 0.00 | 61.89 2.51 0.00 | 44.15 1.70 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD_GT3_2 24249 | 35.71 1.24 0.00 | 35.21 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.16 0.00 | 56.73 2.14 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.82 3.13 0.00 | 62.02 2.48 0.00 | 61.89 2.51 0.00 | 44.15 1.70 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD_GT3_3 24250 | 35.76 1.29 0.00 | 35.25 1.21 0.00 | 35.08 1.12 0.00 | 37.40 1.17 0.00 | 34.52 1.09 0.00 | 33.84 1.11 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.62 1.17 0.00 | 33.18 1.27 0.00 | 33.71 1.36 0.00 | 36.27 1.60 0.00 | 50.75 2.31 0.00 | 53.44 2.24 0.00 | 56.82 2.24 0.00 | 52.32 2.09 0.00 | 68.35 2.83 0.00 | 75.94 3.25 0.00 | 62.12 2.57 0.00 | 61.98 2.60 0.00 | 44.23 1.77 0.00 | 42.19 1.60 0.00 | 46.91 1.55 0.00 | 43.26 1.34 0.00 |
| RAVENSWOOD_GT3_4 24251 | 35.76 1.29 0.00 | 35.25 1.21 0.00 | 35.08 1.12 0.00 | 37.40 1.17 0.00 | 34.52 1.09 0.00 | 33.84 1.11 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.62 1.17 0.00 | 33.18 1.27 0.00 | 33.71 1.36 0.00 | 36.27 1.60 0.00 | 50.75 2.31 0.00 | 53.44 2.24 0.00 | 56.82 2.24 0.00 | 52.32 2.09 0.00 | 68.35 2.83 0.00 | 75.94 3.25 0.00 | 62.12 2.57 0.00 | 61.98 2.60 0.00 | 44.23 1.77 0.00 | 42.19 1.60 0.00 | 46.91 1.55 0.00 | 43.26 1.34 0.00 |
| RAVENSWOOD_GT_1 23729 | 35.74 1.27 0.00 | 35.24 1.21 0.00 | 35.07 1.11 0.00 | 37.41 1.18 0.00 | 34.53 1.10 0.00 | 33.85 1.12 0.00 | 34.45 1.19 0.00 | 45.33 1.56 0.00 | 32.63 1.18 0.00 | 33.20 1.28 0.00 | 33.72 1.38 0.00 | 36.27 1.60 0.00 | 50.72 2.29 0.00 | 53.40 2.19 0.00 | 56.71 2.13 0.00 | 52.25 2.03 0.00 | 68.19 2.67 0.00 | 75.75 3.06 0.00 | 61.94 2.39 0.00 | 61.83 2.44 0.00 | 44.14 1.68 0.00 | 42.13 1.54 0.00 | 46.84 1.49 0.00 | 43.24 1.32 0.00 |
| RAVENSWOOD_GT_10 24258 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.16 0.00 | 56.73 2.15 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.84 3.14 0.00 | 62.03 2.48 0.00 | 61.90 2.52 0.00 | 44.17 1.71 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD_GT_11 24259 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.16 0.00 | 56.73 2.15 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.84 3.14 0.00 | 62.03 2.48 0.00 | 61.90 2.52 0.00 | 44.17 1.71 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD_GT_4 24252 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.08 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.24 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.23 0.00 | 53.37 2.16 0.00 | 56.72 2.13 0.00 | 52.24 2.01 0.00 | 68.22 2.70 0.00 | 75.79 3.09 0.00 | 61.99 2.44 0.00 | 61.85 2.47 0.00 | 44.14 1.68 0.00 | 42.11 1.52 0.00 | 46.83 1.47 0.00 | 43.20 1.28 0.00 |
| RAVENSWOOD_GT_5 24254 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.08 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.24 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.23 0.00 | 53.37 2.16 0.00 | 56.72 2.13 0.00 | 52.24 2.01 0.00 | 68.22 2.70 0.00 | 75.79 3.09 0.00 | 61.99 2.44 0.00 | 61.85 2.47 0.00 | 44.14 1.68 0.00 | 42.11 1.52 0.00 | 46.83 1.47 0.00 | 43.20 1.28 0.00 |
| RAVENSWOOD_GT_6 24253 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.08 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.24 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.23 0.00 | 53.37 2.16 0.00 | 56.72 2.13 0.00 | 52.24 2.01 0.00 | 68.22 2.70 0.00 | 75.79 3.09 0.00 | 61.99 2.44 0.00 | 61.85 2.47 0.00 | 44.14 1.68 0.00 | 42.11 1.52 0.00 | 46.83 1.47 0.00 | 43.20 1.28 0.00 |
| RAVENSWOOD_GT_7 24255 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.08 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.24 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.23 0.00 | 53.37 2.16 0.00 | 56.72 2.13 0.00 | 52.24 2.01 0.00 | 68.22 2.70 0.00 | 75.79 3.09 0.00 | 61.99 2.44 0.00 | 61.85 2.47 0.00 | 44.14 1.68 0.00 | 42.11 1.52 0.00 | 46.83 1.47 0.00 | 43.20 1.28 0.00 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.16 0.00 | 56.73 2.15 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.84 3.14 0.00 | 62.03 2.48 0.00 | 61.90 2.52 0.00 | 44.17 1.71 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD_GT_9 24257 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.04 1.07 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.28 1.50 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.16 0.00 | 56.73 2.15 0.00 | 52.24 2.01 0.00 | 68.23 2.72 0.00 | 75.84 3.14 0.00 | 62.03 2.48 0.00 | 61.90 2.52 0.00 | 44.17 1.71 0.00 | 42.12 1.53 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |

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| RAVENSWOOD___1 23533 | 35.73 1.26 0.00 | 35.22 1.19 0.00 | 35.06 1.09 0.00 | 37.39 1.16 0.00 | 34.51 1.07 0.00 | 33.83 1.09 0.00 | 34.44 1.18 0.00 | 45.31 1.54 0.00 | 32.61 1.16 0.00 | 33.18 1.26 0.00 | 33.70 1.36 0.00 | 36.24 1.57 0.00 | 50.70 2.26 0.00 | 53.38 2.17 0.00 | 56.69 2.10 0.00 | 52.24 2.01 0.00 | 68.17 2.65 0.00 | 75.74 3.04 0.00 | 61.92 2.36 0.00 | 61.82 2.43 0.00 | 44.13 1.67 0.00 | 42.12 1.52 0.00 | 46.83 1.47 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD___2 23534 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.06 0.00 | 37.36 1.14 0.00 | 34.50 1.06 0.00 | 33.81 1.08 0.00 | 34.42 1.15 0.00 | 45.28 1.51 0.00 | 32.59 1.15 0.00 | 33.16 1.25 0.00 | 33.68 1.33 0.00 | 36.22 1.56 0.00 | 50.67 2.23 0.00 | 53.35 2.15 0.00 | 56.68 2.10 0.00 | 52.21 1.98 0.00 | 68.15 2.64 0.00 | 75.71 3.01 0.00 | 61.92 2.36 0.00 | 61.79 2.40 0.00 | 44.11 1.65 0.00 | 42.09 1.50 0.00 | 46.80 1.45 0.00 | 43.20 1.28 0.00 |
| RAVENSWOOD___3 23535 | 35.71 1.24 0.00 | 35.22 1.18 0.00 | 35.04 1.08 0.00 | 37.35 1.13 0.00 | 34.49 1.05 0.00 | 33.80 1.07 0.00 | 34.41 1.15 0.00 | 45.28 1.51 0.00 | 32.58 1.13 0.00 | 33.15 1.23 0.00 | 33.67 1.32 0.00 | 36.22 1.55 0.00 | 50.67 2.24 0.00 | 53.37 2.17 0.00 | 56.73 2.15 0.00 | 52.24 2.01 0.00 | 68.24 2.72 0.00 | 75.83 3.13 0.00 | 62.03 2.48 0.00 | 61.90 2.51 0.00 | 44.17 1.71 0.00 | 42.13 1.54 0.00 | 46.84 1.48 0.00 | 43.21 1.29 0.00 |
| RAVENSWOOD___4 23820 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.06 0.00 | 37.36 1.14 0.00 | 34.50 1.06 0.00 | 33.81 1.08 0.00 | 34.42 1.15 0.00 | 45.28 1.51 0.00 | 32.59 1.15 0.00 | 33.16 1.25 0.00 | 33.68 1.33 0.00 | 36.22 1.56 0.00 | 50.67 2.23 0.00 | 53.35 2.15 0.00 | 56.68 2.10 0.00 | 52.21 1.98 0.00 | 68.15 2.64 0.00 | 75.71 3.01 0.00 | 61.92 2.36 0.00 | 61.79 2.40 0.00 | 44.11 1.65 0.00 | 42.09 1.50 0.00 | 46.80 1.45 0.00 | 43.20 1.28 0.00 |
| RCPL_TRUST___DRP 24196 | 35.69 1.22 0.00 | 35.19 1.15 0.00 | 35.02 1.06 0.00 | 37.34 1.12 0.00 | 34.48 1.04 0.00 | 33.79 1.06 0.00 | 34.39 1.13 0.00 | 45.26 1.49 0.00 | 32.58 1.14 0.00 | 33.15 1.24 0.00 | 33.65 1.30 0.00 | 36.20 1.54 0.00 | 50.67 2.23 0.00 | 53.36 2.15 0.00 | 56.73 2.14 0.00 | 52.23 2.00 0.00 | 68.22 2.71 0.00 | 75.82 3.12 0.00 | 61.98 2.43 0.00 | 61.84 2.45 0.00 | 44.11 1.65 0.00 | 42.08 1.49 0.00 | 46.79 1.44 0.00 | 43.16 1.24 0.00 |
| RED___ROCHESTER 323720 | 33.98 -0.49 0.00 | 33.58 -0.46 0.00 | 33.46 -0.51 0.00 | 35.80 -0.43 0.00 | 32.88 -0.56 0.00 | 32.19 -0.54 0.00 | 32.66 -0.60 0.00 | 42.90 -0.88 0.00 | 30.55 -0.90 0.00 | 31.12 -0.80 0.00 | 31.62 -0.72 0.00 | 33.95 -0.72 0.00 | 47.36 -1.08 0.00 | 50.03 -1.18 0.00 | 53.53 -1.05 0.00 | 49.37 -0.85 0.00 | 63.79 -1.72 0.00 | 71.01 -1.69 0.00 | 58.19 -1.36 0.00 | 57.79 -1.60 0.00 | 41.55 -0.91 0.00 | 39.63 -0.97 0.00 | 44.56 -0.80 0.00 | 41.39 -0.53 0.00 |
| REGAN___SOLAR 323812 | 35.40 0.93 0.00 | 34.92 0.89 0.00 | 34.80 0.84 0.00 | 37.05 0.82 0.00 | 34.20 0.76 0.00 | 33.49 0.75 0.00 | 34.08 0.82 0.00 | 44.93 1.16 0.00 | 32.28 0.84 0.00 | 32.73 0.82 0.00 | 33.17 0.82 0.00 | 35.54 0.87 0.00 | 49.70 1.26 0.00 | 52.77 1.56 0.00 | 56.25 1.67 0.00 | 51.89 1.67 0.00 | 67.83 2.31 0.00 | 75.29 2.59 0.00 | 61.58 2.03 0.00 | 61.43 2.04 0.00 | 44.01 1.55 0.00 | 41.93 1.34 0.00 | 46.74 1.38 0.00 | 43.08 1.16 0.00 |
| RENSSELAER___COGEN 23796 | 34.51 0.05 0.00 | 34.19 0.15 0.00 | 34.20 0.23 0.00 | 36.46 0.24 0.00 | 33.78 0.34 0.00 | 33.07 0.34 0.00 | 33.56 0.30 0.00 | 44.08 0.31 0.00 | 31.68 0.23 0.00 | 32.14 0.23 0.00 | 32.52 0.17 0.00 | 34.83 0.16 0.00 | 48.66 0.21 0.00 | 51.63 0.43 0.00 | 55.14 0.55 0.00 | 50.50 0.27 0.00 | 66.01 0.49 0.00 | 72.99 0.29 0.00 | 59.63 0.08 0.00 | 59.45 0.07 0.00 | 42.56 0.10 0.00 | 40.65 0.05 0.00 | 45.34 -0.02 0.00 | 41.87 -0.05 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 38.20 3.73 0.00 | 37.66 3.62 0.00 | 37.72 3.76 0.00 | 40.32 4.10 0.00 | 37.24 3.80 0.00 | 36.78 4.04 0.00 | 37.37 4.11 0.00 | 49.30 5.53 0.00 | 35.04 3.59 0.00 | 35.64 3.73 0.00 | 36.09 3.75 0.00 | 38.67 4.00 0.00 | 54.17 5.73 0.00 | 58.34 7.13 0.00 | 62.60 8.01 0.00 | 56.26 6.04 0.00 | 74.56 9.04 0.00 | 81.83 9.13 0.00 | 66.11 6.56 0.00 | 65.95 6.57 0.00 | 47.30 4.85 0.00 | 45.31 4.71 0.00 | 50.89 5.54 0.00 | 46.45 4.53 0.00 |
| REVERE_CPPR_DRP 24186 | 35.35 0.89 0.00 | 34.94 0.90 0.00 | 34.85 0.89 0.00 | 37.20 0.97 0.00 | 34.35 0.91 0.00 | 33.65 0.92 0.00 | 34.27 1.00 0.00 | 45.08 1.31 0.00 | 32.47 1.02 0.00 | 32.95 1.04 0.00 | 33.46 1.12 0.00 | 35.92 1.26 0.00 | 50.17 1.73 0.00 | 53.11 1.90 0.00 | 56.76 2.18 0.00 | 52.32 2.10 0.00 | 68.29 2.78 0.00 | 75.65 2.96 0.00 | 61.85 2.31 0.00 | 61.55 2.16 0.00 | 43.96 1.50 0.00 | 41.90 1.30 0.00 | 46.69 1.34 0.00 | 43.07 1.15 0.00 |
| REYNLDPA_13_KV_LD 356490 | 35.37 0.91 0.00 | 34.92 0.88 0.00 | 34.85 0.88 0.00 | 37.17 0.95 0.00 | 34.26 0.82 0.00 | 33.51 0.77 0.00 | 34.11 0.86 0.00 | 45.05 1.27 0.00 | 32.31 0.86 0.00 | 32.71 0.80 0.00 | 33.14 0.80 0.00 | 35.51 0.85 0.00 | 49.56 1.12 0.00 | 52.30 1.09 0.00 | 55.71 1.13 0.00 | 51.43 1.20 0.00 | 67.12 1.60 0.00 | 74.65 1.96 0.00 | 61.35 1.80 0.00 | 61.15 1.76 0.00 | 43.69 1.23 0.00 | 41.87 1.27 0.00 | 46.92 1.56 0.00 | 43.45 1.53 0.00 |
| REYNOLDS_115KV_TB3 80639 | 34.65 0.18 0.00 | 34.33 0.29 0.00 | 34.32 0.36 0.00 | 36.61 0.38 0.00 | 33.92 0.48 0.00 | 33.23 0.50 0.00 | 33.72 0.46 0.00 | 44.29 0.51 0.00 | 31.78 0.34 0.00 | 32.26 0.35 0.00 | 32.63 0.28 0.00 | 34.92 0.26 0.00 | 48.82 0.38 0.00 | 51.84 0.63 0.00 | 55.38 0.80 0.00 | 50.67 0.45 0.00 | 66.23 0.71 0.00 | 73.17 0.47 0.00 | 59.75 0.20 0.00 | 59.57 0.19 0.00 | 42.68 0.23 0.00 | 40.76 0.17 0.00 | 45.47 0.11 0.00 | 42.00 0.08 0.00 |
| RIVERBAY____ 323610 | 36.34 1.87 0.00 | 35.76 1.72 0.00 | 35.57 1.60 0.00 | 38.02 1.80 0.00 | 35.11 1.68 0.00 | 34.43 1.69 0.00 | 35.05 1.79 0.00 | 46.12 2.35 0.00 | 33.20 1.75 0.00 | 33.77 1.86 0.00 | 34.30 1.96 0.00 | 36.87 2.20 0.00 | 51.62 3.18 0.00 | 54.35 3.14 0.00 | 57.72 3.14 0.00 | 53.20 2.97 0.00 | 69.46 3.95 0.00 | 77.21 4.51 0.00 | 63.00 3.45 0.00 | 62.96 3.58 0.00 | 44.93 2.47 0.00 | 42.78 2.19 0.00 | 47.65 2.30 0.00 | 44.04 2.12 0.00 |
| RIVERSDE_115KV_TB3 55908 | 34.62 0.15 0.00 | 34.30 0.26 0.00 | 34.30 0.33 0.00 | 36.57 0.35 0.00 | 33.88 0.44 0.00 | 33.18 0.44 0.00 | 33.66 0.40 0.00 | 44.22 0.44 0.00 | 31.77 0.32 0.00 | 32.23 0.32 0.00 | 32.61 0.27 0.00 | 34.93 0.26 0.00 | 48.81 0.37 0.00 | 51.82 0.61 0.00 | 55.34 0.76 0.00 | 50.67 0.44 0.00 | 66.22 0.70 0.00 | 73.20 0.50 0.00 | 59.79 0.24 0.00 | 59.61 0.22 0.00 | 42.68 0.22 0.00 | 40.76 0.16 0.00 | 45.45 0.10 0.00 | 41.99 0.07 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 34.61 0.14 0.00 | 34.18 0.14 0.00 | 34.11 0.14 0.00 | 36.37 0.15 0.00 | 33.56 0.12 0.00 | 32.84 0.10 0.00 | 33.38 0.12 0.00 | 43.93 0.16 0.00 | 31.53 0.08 0.00 | 32.00 0.08 0.00 | 32.44 0.10 0.00 | 34.75 0.09 0.00 | 48.56 0.12 0.00 | 51.26 0.05 0.00 | 54.64 0.06 0.00 | 50.24 0.02 0.00 | 65.46 -0.05 0.00 | 72.67 -0.03 0.00 | 59.54 -0.01 0.00 | 59.68 0.30 0.00 | 42.67 0.21 0.00 | 40.82 0.23 0.00 | 45.65 0.29 0.00 | 42.21 0.29 0.00 |

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| ROCHESRG_115KV_T4 355643 | 33.69 -0.78 0.00 | 33.30 -0.74 0.00 | 33.18 -0.78 0.00 | 35.52 -0.70 0.00 | 32.62 -0.81 0.00 | 31.93 -0.81 0.00 | 32.39 -0.88 0.00 | 42.51 -1.26 0.00 | 30.26 -1.18 0.00 | 30.79 -1.13 0.00 | 31.28 -1.07 0.00 | 33.56 -1.11 0.00 | 46.81 -1.63 0.00 | 49.43 -1.78 0.00 | 52.88 -1.71 0.00 | 48.76 -1.46 0.00 | 62.99 -2.53 0.00 | 70.07 -2.63 0.00 | 57.43 -2.12 0.00 | 57.03 -2.35 0.00 | 41.03 -1.43 0.00 | 39.16 -1.43 0.00 | 44.07 -1.29 0.00 | 40.96 -0.96 0.00 |
| ROCHESTER_9_IC 23652 | 33.85 -0.62 0.00 | 33.45 -0.59 0.00 | 33.35 -0.62 0.00 | 35.67 -0.55 0.00 | 32.77 -0.66 0.00 | 32.08 -0.66 0.00 | 32.54 -0.72 0.00 | 42.73 -1.05 0.00 | 30.43 -1.02 0.00 | 30.96 -0.95 0.00 | 31.47 -0.88 0.00 | 33.77 -0.90 0.00 | 47.11 -1.33 0.00 | 49.75 -1.46 0.00 | 53.23 -1.35 0.00 | 49.09 -1.13 0.00 | 63.42 -2.09 0.00 | 70.56 -2.13 0.00 | 57.83 -1.72 0.00 | 57.44 -1.95 0.00 | 41.31 -1.15 0.00 | 39.41 -1.19 0.00 | 44.34 -1.02 0.00 | 41.20 -0.73 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 35.60 1.13 0.00 | 35.12 1.08 0.00 | 34.96 0.99 0.00 | 37.28 1.06 0.00 | 34.41 0.97 0.00 | 33.72 0.99 0.00 | 34.31 1.05 0.00 | 45.16 1.38 0.00 | 32.50 1.06 0.00 | 33.05 1.14 0.00 | 33.60 1.26 0.00 | 36.15 1.49 0.00 | 50.62 2.18 0.00 | 53.33 2.12 0.00 | 56.69 2.11 0.00 | 52.19 1.96 0.00 | 68.22 2.70 0.00 | 75.78 3.09 0.00 | 61.97 2.42 0.00 | 61.80 2.41 0.00 | 44.09 1.63 0.00 | 42.05 1.46 0.00 | 46.76 1.40 0.00 | 43.11 1.19 0.00 |
| ROME____115KV_TB2 80656 | 35.35 0.89 0.00 | 34.94 0.90 0.00 | 34.85 0.89 0.00 | 37.20 0.97 0.00 | 34.35 0.91 0.00 | 33.65 0.92 0.00 | 34.27 1.00 0.00 | 45.08 1.31 0.00 | 32.47 1.02 0.00 | 32.95 1.04 0.00 | 33.46 1.12 0.00 | 35.92 1.26 0.00 | 50.17 1.73 0.00 | 53.11 1.90 0.00 | 56.76 2.18 0.00 | 52.32 2.10 0.00 | 68.29 2.78 0.00 | 75.65 2.96 0.00 | 61.85 2.31 0.00 | 61.55 2.16 0.00 | 43.96 1.50 0.00 | 41.90 1.30 0.00 | 46.69 1.34 0.00 | 43.07 1.15 0.00 |
| ROSETON___1 23587 | 35.19 0.72 0.00 | 34.73 0.69 0.00 | 34.61 0.64 0.00 | 36.89 0.67 0.00 | 34.08 0.64 0.00 | 33.39 0.66 0.00 | 33.96 0.70 0.00 | 44.69 0.92 0.00 | 32.15 0.70 0.00 | 32.67 0.75 0.00 | 33.17 0.82 0.00 | 35.65 0.99 0.00 | 49.91 1.47 0.00 | 52.63 1.42 0.00 | 56.00 1.41 0.00 | 51.51 1.28 0.00 | 67.34 1.82 0.00 | 74.74 2.04 0.00 | 61.10 1.56 0.00 | 60.94 1.56 0.00 | 43.51 1.06 0.00 | 41.52 0.93 0.00 | 46.22 0.87 0.00 | 42.65 0.72 0.00 |
| ROSETON___2 23588 | 35.19 0.72 0.00 | 34.73 0.69 0.00 | 34.61 0.64 0.00 | 36.89 0.67 0.00 | 34.08 0.64 0.00 | 33.39 0.66 0.00 | 33.96 0.70 0.00 | 44.69 0.92 0.00 | 32.15 0.70 0.00 | 32.67 0.75 0.00 | 33.17 0.82 0.00 | 35.65 0.99 0.00 | 49.91 1.47 0.00 | 52.63 1.42 0.00 | 56.00 1.41 0.00 | 51.51 1.28 0.00 | 67.34 1.82 0.00 | 74.74 2.04 0.00 | 61.10 1.56 0.00 | 60.94 1.56 0.00 | 43.51 1.06 0.00 | 41.52 0.93 0.00 | 46.22 0.87 0.00 | 42.65 0.72 0.00 |
| ROTRRDAM_115KV_TB3 80664 | 35.02 0.56 0.00 | 34.62 0.58 0.00 | 34.59 0.62 0.00 | 36.86 0.64 0.00 | 34.09 0.65 0.00 | 33.41 0.68 0.00 | 33.94 0.68 0.00 | 44.66 0.88 0.00 | 32.04 0.59 0.00 | 32.55 0.64 0.00 | 32.98 0.64 0.00 | 35.34 0.67 0.00 | 49.43 0.99 0.00 | 52.37 1.16 0.00 | 55.88 1.30 0.00 | 51.28 1.05 0.00 | 66.97 1.46 0.00 | 74.17 1.47 0.00 | 60.61 1.07 0.00 | 60.44 1.05 0.00 | 43.27 0.81 0.00 | 41.31 0.72 0.00 | 46.07 0.72 0.00 | 42.53 0.61 0.00 |
| RUSSELL___1 23602 | 33.98 -0.49 0.00 | 33.58 -0.46 0.00 | 33.45 -0.51 0.00 | 35.79 -0.43 0.00 | 32.88 -0.56 0.00 | 32.20 -0.54 0.00 | 32.66 -0.60 0.00 | 42.90 -0.88 0.00 | 30.55 -0.90 0.00 | 31.11 -0.80 0.00 | 31.62 -0.72 0.00 | 33.95 -0.72 0.00 | 47.36 -1.08 0.00 | 50.03 -1.18 0.00 | 53.53 -1.05 0.00 | 49.37 -0.85 0.00 | 63.81 -1.71 0.00 | 71.01 -1.69 0.00 | 58.19 -1.36 0.00 | 57.79 -1.59 0.00 | 41.55 -0.91 0.00 | 39.63 -0.96 0.00 | 44.56 -0.80 0.00 | 41.39 -0.54 0.00 |
| RUSSELL___2 23532 | 33.98 -0.49 0.00 | 33.58 -0.46 0.00 | 33.45 -0.51 0.00 | 35.79 -0.43 0.00 | 32.88 -0.56 0.00 | 32.20 -0.54 0.00 | 32.66 -0.60 0.00 | 42.90 -0.88 0.00 | 30.55 -0.90 0.00 | 31.11 -0.80 0.00 | 31.62 -0.72 0.00 | 33.95 -0.72 0.00 | 47.36 -1.08 0.00 | 50.03 -1.18 0.00 | 53.53 -1.05 0.00 | 49.37 -0.85 0.00 | 63.81 -1.71 0.00 | 71.01 -1.69 0.00 | 58.19 -1.36 0.00 | 57.79 -1.59 0.00 | 41.55 -0.91 0.00 | 39.63 -0.96 0.00 | 44.56 -0.80 0.00 | 41.39 -0.54 0.00 |
| RUSSELL___3 23549 | 33.98 -0.49 0.00 | 33.58 -0.46 0.00 | 33.45 -0.51 0.00 | 35.79 -0.43 0.00 | 32.88 -0.56 0.00 | 32.20 -0.54 0.00 | 32.66 -0.60 0.00 | 42.90 -0.88 0.00 | 30.55 -0.90 0.00 | 31.11 -0.80 0.00 | 31.62 -0.72 0.00 | 33.95 -0.72 0.00 | 47.36 -1.08 0.00 | 50.03 -1.18 0.00 | 53.53 -1.05 0.00 | 49.37 -0.85 0.00 | 63.81 -1.71 0.00 | 71.01 -1.69 0.00 | 58.19 -1.36 0.00 | 57.79 -1.59 0.00 | 41.55 -0.91 0.00 | 39.63 -0.96 0.00 | 44.56 -0.80 0.00 | 41.39 -0.54 0.00 |
| RUSSELL___4 23556 | 33.98 -0.49 0.00 | 33.58 -0.46 0.00 | 33.45 -0.51 0.00 | 35.79 -0.43 0.00 | 32.88 -0.56 0.00 | 32.20 -0.54 0.00 | 32.66 -0.60 0.00 | 42.90 -0.88 0.00 | 30.55 -0.90 0.00 | 31.11 -0.80 0.00 | 31.62 -0.72 0.00 | 33.95 -0.72 0.00 | 47.36 -1.08 0.00 | 50.03 -1.18 0.00 | 53.53 -1.05 0.00 | 49.37 -0.85 0.00 | 63.81 -1.71 0.00 | 71.01 -1.69 0.00 | 58.19 -1.36 0.00 | 57.79 -1.59 0.00 | 41.55 -0.91 0.00 | 39.63 -0.96 0.00 | 44.56 -0.80 0.00 | 41.39 -0.54 0.00 |
| RUSSELL___STATION 23914 | 33.98 -0.49 0.00 | 33.58 -0.46 0.00 | 33.45 -0.51 0.00 | 35.79 -0.43 0.00 | 32.88 -0.56 0.00 | 32.20 -0.54 0.00 | 32.66 -0.60 0.00 | 42.90 -0.88 0.00 | 30.55 -0.90 0.00 | 31.11 -0.80 0.00 | 31.62 -0.72 0.00 | 33.95 -0.72 0.00 | 47.36 -1.08 0.00 | 50.03 -1.18 0.00 | 53.53 -1.05 0.00 | 49.37 -0.85 0.00 | 63.81 -1.71 0.00 | 71.01 -1.69 0.00 | 58.19 -1.36 0.00 | 57.79 -1.59 0.00 | 41.55 -0.91 0.00 | 39.63 -0.96 0.00 | 44.56 -0.80 0.00 | 41.39 -0.54 0.00 |
| S SALMON___HYD 24043 | 34.10 -0.37 0.00 | 33.61 -0.43 0.00 | 33.45 -0.51 0.00 | 35.70 -0.52 0.00 | 32.97 -0.47 0.00 | 32.22 -0.52 0.00 | 32.71 -0.55 0.00 | 43.06 -0.71 0.00 | 31.08 -0.37 0.00 | 31.61 -0.30 0.00 | 32.11 -0.24 0.00 | 34.42 -0.25 0.00 | 48.07 -0.37 0.00 | 50.80 -0.40 0.00 | 54.20 -0.38 0.00 | 49.97 -0.25 0.00 | 65.13 -0.39 0.00 | 72.35 -0.35 0.00 | 59.16 -0.39 0.00 | 58.88 -0.51 0.00 | 42.11 -0.35 0.00 | 40.20 -0.39 0.00 | 44.81 -0.54 0.00 | 41.30 -0.63 0.00 |
| S.PERRY__115KV_TB1 80734 | 34.78 0.31 0.00 | 34.29 0.25 0.00 | 34.17 0.20 0.00 | 36.62 0.39 0.00 | 33.57 0.14 0.00 | 32.88 0.14 0.00 | 33.33 0.07 0.00 | 43.77 -0.01 0.00 | 31.25 -0.20 0.00 | 31.80 -0.11 0.00 | 32.39 0.04 0.00 | 34.70 0.03 0.00 | 48.31 -0.13 0.00 | 50.99 -0.22 0.00 | 54.89 0.31 0.00 | 50.52 0.30 0.00 | 65.21 -0.31 0.00 | 72.73 0.03 0.00 | 59.81 0.27 0.00 | 59.34 -0.04 0.00 | 42.75 0.29 0.00 | 40.64 0.05 0.00 | 45.79 0.44 0.00 | 42.50 0.57 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 33.40 -1.06 0.00 | 33.05 -0.99 0.00 | 32.94 -1.03 0.00 | 35.37 -0.86 0.00 | 32.33 -1.11 0.00 | 31.61 -1.13 0.00 | 31.98 -1.28 0.00 | 41.85 -1.93 0.00 | 29.53 -1.92 0.00 | 30.02 -1.89 0.00 | 30.55 -1.80 0.00 | 32.78 -1.89 0.00 | 45.58 -2.86 0.00 | 48.04 -3.16 0.00 | 51.56 -3.02 0.00 | 47.58 -2.65 0.00 | 60.97 -4.54 0.00 | 67.83 -4.87 0.00 | 55.79 -3.76 0.00 | 55.29 -4.10 0.00 | 40.02 -2.44 0.00 | 38.23 -2.36 0.00 | 43.36 -2.00 0.00 | 40.56 -1.37 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SAWYER___23_KV_LOAD 55526 | 33.40 -1.06 0.00 | 33.05 -0.99 0.00 | 32.94 -1.03 0.00 | 35.37 -0.86 0.00 | 32.33 -1.11 0.00 | 31.61 -1.13 0.00 | 31.98 -1.28 0.00 | 41.85 -1.93 0.00 | 29.53 -1.92 0.00 | 30.02 -1.89 0.00 | 30.55 -1.80 0.00 | 32.78 -1.89 0.00 | 45.58 -2.86 0.00 | 48.04 -3.16 0.00 | 51.56 -3.02 0.00 | 47.58 -2.65 0.00 | 60.97 -4.54 0.00 | 67.83 -4.87 0.00 | 55.79 -3.76 0.00 | 55.29 -4.10 0.00 | 40.02 -2.44 0.00 | 38.23 -2.36 0.00 | 43.36 -2.00 0.00 | 40.56 -1.37 0.00 |
| SELKIRK___I 23801 | 34.75 0.28 0.00 | 34.39 0.35 0.00 | 34.38 0.41 0.00 | 36.68 0.45 0.00 | 33.95 0.51 0.00 | 33.23 0.50 0.00 | 33.73 0.47 0.00 | 44.32 0.54 0.00 | 31.83 0.39 0.00 | 32.31 0.40 0.00 | 32.70 0.35 0.00 | 35.00 0.34 0.00 | 48.89 0.45 0.00 | 51.83 0.62 0.00 | 55.33 0.75 0.00 | 50.75 0.53 0.00 | 66.28 0.76 0.00 | 73.34 0.65 0.00 | 59.95 0.40 0.00 | 59.79 0.40 0.00 | 42.80 0.34 0.00 | 40.89 0.30 0.00 | 45.61 0.25 0.00 | 42.13 0.21 0.00 |
| SELKIRK___II 23799 | 34.62 0.15 0.00 | 34.26 0.22 0.00 | 34.25 0.28 0.00 | 36.53 0.31 0.00 | 33.81 0.38 0.00 | 33.11 0.37 0.00 | 33.60 0.34 0.00 | 44.16 0.38 0.00 | 31.74 0.29 0.00 | 32.21 0.29 0.00 | 32.60 0.25 0.00 | 34.93 0.26 0.00 | 48.80 0.36 0.00 | 51.73 0.53 0.00 | 55.21 0.63 0.00 | 50.60 0.38 0.00 | 66.12 0.60 0.00 | 73.18 0.49 0.00 | 59.81 0.26 0.00 | 59.66 0.28 0.00 | 42.70 0.24 0.00 | 40.77 0.18 0.00 | 45.47 0.11 0.00 | 42.00 0.08 0.00 |
| SENECA OSWGO___HYD 24041 | 33.49 -0.98 0.00 | 33.03 -1.01 0.00 | 32.92 -1.05 0.00 | 35.14 -1.09 0.00 | 32.42 -1.01 0.00 | 31.74 -0.99 0.00 | 32.22 -1.04 0.00 | 42.36 -1.41 0.00 | 30.49 -0.95 0.00 | 30.98 -0.93 0.00 | 31.43 -0.92 0.00 | 33.67 -1.00 0.00 | 47.06 -1.38 0.00 | 49.76 -1.45 0.00 | 53.13 -1.46 0.00 | 48.89 -1.34 0.00 | 63.69 -1.83 0.00 | 70.68 -2.01 0.00 | 57.88 -1.67 0.00 | 57.65 -1.73 0.00 | 41.25 -1.21 0.00 | 39.37 -1.22 0.00 | 43.96 -1.40 0.00 | 40.56 -1.37 0.00 |
| SENECA___115KV_TB3 355854 | 33.65 -0.82 0.00 | 33.26 -0.78 0.00 | 33.13 -0.83 0.00 | 35.58 -0.64 0.00 | 32.51 -0.93 0.00 | 31.79 -0.94 0.00 | 32.17 -1.09 0.00 | 42.10 -1.67 0.00 | 29.75 -1.69 0.00 | 30.26 -1.65 0.00 | 30.78 -1.56 0.00 | 33.05 -1.61 0.00 | 45.92 -2.52 0.00 | 48.41 -2.79 0.00 | 52.08 -2.50 0.00 | 48.01 -2.22 0.00 | 61.56 -3.95 0.00 | 68.54 -4.15 0.00 | 56.43 -3.12 0.00 | 55.91 -3.47 0.00 | 40.46 -2.00 0.00 | 38.62 -1.97 0.00 | 43.79 -1.57 0.00 | 40.90 -1.02 0.00 |
| SENECA___ENERGY 23797 | 33.94 -0.52 0.00 | 33.51 -0.53 0.00 | 33.40 -0.56 0.00 | 35.63 -0.60 0.00 | 32.81 -0.63 0.00 | 32.19 -0.55 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.86 -0.59 0.00 | 31.36 -0.55 0.00 | 31.79 -0.56 0.00 | 34.03 -0.63 0.00 | 47.65 -0.79 0.00 | 50.37 -0.83 0.00 | 53.83 -0.75 0.00 | 49.59 -0.64 0.00 | 64.48 -1.04 0.00 | 71.63 -1.07 0.00 | 58.59 -0.95 0.00 | 58.35 -1.04 0.00 | 41.76 -0.70 0.00 | 39.87 -0.72 0.00 | 44.58 -0.77 0.00 | 41.28 -0.64 0.00 |
| SHOEMAKER___GT 23640 | 35.20 0.73 0.00 | 34.74 0.70 0.00 | 34.62 0.65 0.00 | 36.92 0.69 0.00 | 34.08 0.64 0.00 | 33.39 0.65 0.00 | 33.96 0.70 0.00 | 44.70 0.93 0.00 | 32.13 0.69 0.00 | 32.63 0.71 0.00 | 33.08 0.73 0.00 | 35.56 0.90 0.00 | 49.88 1.44 0.00 | 52.62 1.41 0.00 | 56.02 1.44 0.00 | 51.56 1.33 0.00 | 67.39 1.88 0.00 | 74.80 2.10 0.00 | 61.17 1.63 0.00 | 61.01 1.63 0.00 | 43.56 1.10 0.00 | 41.55 0.96 0.00 | 46.27 0.92 0.00 | 42.70 0.78 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 35.17 0.70 0.00 | 34.71 0.67 0.00 | 34.59 0.63 0.00 | 36.89 0.67 0.00 | 34.06 0.62 0.00 | 33.37 0.64 0.00 | 33.95 0.69 0.00 | 44.68 0.91 0.00 | 32.12 0.67 0.00 | 32.62 0.71 0.00 | 33.08 0.74 0.00 | 35.56 0.90 0.00 | 49.86 1.42 0.00 | 52.58 1.38 0.00 | 55.98 1.40 0.00 | 51.51 1.29 0.00 | 67.35 1.83 0.00 | 74.76 2.07 0.00 | 61.13 1.58 0.00 | 60.98 1.59 0.00 | 43.53 1.07 0.00 | 41.53 0.93 0.00 | 46.25 0.89 0.00 | 42.68 0.76 0.00 |
| SHOREHAM_IC_1 23715 | 36.21 1.74 0.00 | 35.58 1.54 0.00 | 35.38 1.41 0.00 | 37.60 1.37 0.00 | 34.80 1.36 0.00 | 34.16 1.42 0.00 | 34.60 1.35 0.00 | 45.14 1.37 0.00 | 32.59 1.14 0.00 | 33.34 1.14 -0.29 | 34.14 1.79 0.00 | 48.88 1.97 -12.24 | 54.23 3.07 -2.72 | 54.89 2.81 -0.87 | 58.09 2.60 -0.91 | 59.86 2.36 -7.28 | 82.37 3.32 -13.53 | 103.76 3.98 -27.08 | 73.40 2.99 -10.86 | 69.69 2.94 -7.37 | 44.29 1.83 -0.01 | 42.38 1.79 0.00 | 47.01 1.65 0.00 | 43.28 1.35 0.00 |
| SHOREHAM_IC_2 23716 | 36.21 1.74 0.00 | 35.56 1.53 0.00 | 35.37 1.40 0.00 | 37.60 1.37 0.00 | 34.80 1.36 0.00 | 34.16 1.42 0.00 | 34.60 1.35 0.00 | 45.14 1.37 0.00 | 32.59 1.14 0.00 | 33.34 1.14 -0.29 | 34.14 1.79 0.00 | 48.87 1.96 -12.24 | 54.21 3.06 -2.72 | 54.89 2.81 -0.87 | 58.10 2.61 -0.91 | 59.86 2.36 -7.28 | 82.37 3.32 -13.53 | 103.74 3.96 -27.08 | 73.41 3.00 -10.86 | 69.69 2.94 -7.37 | 44.29 1.83 -0.01 | 42.38 1.79 0.00 | 47.01 1.65 0.00 | 43.28 1.35 0.00 |
| SISSONVILLE____ 23735 | 35.78 1.31 0.00 | 35.32 1.28 0.00 | 35.23 1.27 0.00 | 37.56 1.34 0.00 | 34.64 1.20 0.00 | 33.88 1.14 0.00 | 34.52 1.26 0.00 | 45.63 1.86 0.00 | 32.74 1.30 0.00 | 33.17 1.26 0.00 | 33.63 1.28 0.00 | 36.05 1.39 0.00 | 50.33 1.89 0.00 | 53.09 1.89 0.00 | 56.56 1.98 0.00 | 52.30 2.07 0.00 | 68.36 2.85 0.00 | 76.13 3.44 0.00 | 62.53 2.98 0.00 | 62.25 2.87 0.00 | 44.40 1.94 0.00 | 42.52 1.93 0.00 | 47.64 2.28 0.00 | 44.09 2.16 0.00 |
| SITHE_IND_GS1 24169 | 33.19 -1.28 0.00 | 32.74 -1.29 0.00 | 32.65 -1.32 0.00 | 34.82 -1.41 0.00 | 32.14 -1.30 0.00 | 31.47 -1.27 0.00 | 31.95 -1.31 0.00 | 41.99 -1.79 0.00 | 30.22 -1.23 0.00 | 30.68 -1.23 0.00 | 31.10 -1.25 0.00 | 33.29 -1.37 0.00 | 46.53 -1.91 0.00 | 49.20 -2.01 0.00 | 52.48 -2.10 0.00 | 48.30 -1.92 0.00 | 62.88 -2.63 0.00 | 69.79 -2.91 0.00 | 57.16 -2.39 0.00 | 56.98 -2.41 0.00 | 40.77 -1.69 0.00 | 38.94 -1.66 0.00 | 43.51 -1.84 0.00 | 40.21 -1.71 0.00 |
| SITHE_IND_GS2 24170 | 33.19 -1.28 0.00 | 32.74 -1.29 0.00 | 32.65 -1.32 0.00 | 34.82 -1.41 0.00 | 32.14 -1.30 0.00 | 31.47 -1.27 0.00 | 31.95 -1.31 0.00 | 41.99 -1.79 0.00 | 30.22 -1.23 0.00 | 30.68 -1.23 0.00 | 31.10 -1.25 0.00 | 33.29 -1.37 0.00 | 46.53 -1.91 0.00 | 49.20 -2.01 0.00 | 52.48 -2.10 0.00 | 48.30 -1.92 0.00 | 62.88 -2.63 0.00 | 69.79 -2.91 0.00 | 57.16 -2.39 0.00 | 56.98 -2.41 0.00 | 40.77 -1.69 0.00 | 38.94 -1.66 0.00 | 43.51 -1.84 0.00 | 40.21 -1.71 0.00 |
| SITHE_IND_GS3 24171 | 33.19 -1.28 0.00 | 32.74 -1.29 0.00 | 32.65 -1.32 0.00 | 34.82 -1.41 0.00 | 32.14 -1.30 0.00 | 31.47 -1.27 0.00 | 31.95 -1.31 0.00 | 41.99 -1.79 0.00 | 30.22 -1.23 0.00 | 30.68 -1.23 0.00 | 31.10 -1.25 0.00 | 33.29 -1.37 0.00 | 46.53 -1.91 0.00 | 49.20 -2.01 0.00 | 52.48 -2.10 0.00 | 48.30 -1.92 0.00 | 62.88 -2.63 0.00 | 69.79 -2.91 0.00 | 57.16 -2.39 0.00 | 56.98 -2.41 0.00 | 40.77 -1.69 0.00 | 38.94 -1.66 0.00 | 43.51 -1.84 0.00 | 40.21 -1.71 0.00 |
| SITHE_IND_GS4 24172 | 33.19 -1.28 0.00 | 32.74 -1.29 0.00 | 32.65 -1.32 0.00 | 34.82 -1.41 0.00 | 32.14 -1.30 0.00 | 31.47 -1.27 0.00 | 31.95 -1.31 0.00 | 41.99 -1.79 0.00 | 30.22 -1.23 0.00 | 30.68 -1.23 0.00 | 31.10 -1.25 0.00 | 33.29 -1.37 0.00 | 46.53 -1.91 0.00 | 49.20 -2.01 0.00 | 52.48 -2.10 0.00 | 48.30 -1.92 0.00 | 62.88 -2.63 0.00 | 69.79 -2.91 0.00 | 57.16 -2.39 0.00 | 56.98 -2.41 0.00 | 40.77 -1.69 0.00 | 38.94 -1.66 0.00 | 43.51 -1.84 0.00 | 40.21 -1.71 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SITHE___BATAVIA 24024 | 34.17 -0.30 0.00 | 33.78 -0.26 0.00 | 33.65 -0.32 0.00 | 36.10 -0.13 0.00 | 33.10 -0.34 0.00 | 32.39 -0.35 0.00 | 32.81 -0.45 0.00 | 43.02 -0.75 0.00 | 30.47 -0.98 0.00 | 31.04 -0.88 0.00 | 31.60 -0.75 0.00 | 33.91 -0.76 0.00 | 47.22 -1.22 0.00 | 49.84 -1.37 0.00 | 53.42 -1.16 0.00 | 49.32 -0.90 0.00 | 63.41 -2.11 0.00 | 70.61 -2.09 0.00 | 58.02 -1.53 0.00 | 57.47 -1.92 0.00 | 41.47 -0.99 0.00 | 39.55 -1.04 0.00 | 44.65 -0.71 0.00 | 41.75 -0.17 0.00 |
| SITHE___INDEPEND 23800 | 33.19 -1.28 0.00 | 32.75 -1.29 0.00 | 32.65 -1.32 0.00 | 34.82 -1.41 0.00 | 32.14 -1.30 0.00 | 31.47 -1.27 0.00 | 31.95 -1.31 0.00 | 41.99 -1.79 0.00 | 30.22 -1.23 0.00 | 30.68 -1.23 0.00 | 31.10 -1.25 0.00 | 33.30 -1.37 0.00 | 46.53 -1.91 0.00 | 49.20 -2.01 0.00 | 52.48 -2.11 0.00 | 48.30 -1.92 0.00 | 62.88 -2.63 0.00 | 69.79 -2.90 0.00 | 57.16 -2.39 0.00 | 56.98 -2.41 0.00 | 40.77 -1.69 0.00 | 38.94 -1.65 0.00 | 43.51 -1.84 0.00 | 40.21 -1.71 0.00 |
| SITHE___MASSENA 23902 | 35.53 1.07 0.00 | 35.09 1.05 0.00 | 35.02 1.05 0.00 | 37.33 1.10 0.00 | 34.42 0.98 0.00 | 33.67 0.93 0.00 | 34.28 1.02 0.00 | 45.26 1.49 0.00 | 32.47 1.02 0.00 | 32.87 0.96 0.00 | 33.32 0.97 0.00 | 35.69 1.03 0.00 | 49.85 1.41 0.00 | 52.58 1.37 0.00 | 56.01 1.43 0.00 | 51.71 1.49 0.00 | 67.53 2.02 0.00 | 75.12 2.43 0.00 | 61.73 2.18 0.00 | 61.51 2.12 0.00 | 43.92 1.47 0.00 | 42.09 1.49 0.00 | 47.17 1.82 0.00 | 43.69 1.77 0.00 |
| SITHE___OGDNSBRG 24021 | 36.22 1.76 0.00 | 35.76 1.72 0.00 | 35.67 1.71 0.00 | 38.05 1.82 0.00 | 35.07 1.63 0.00 | 34.32 1.58 0.00 | 34.98 1.72 0.00 | 46.25 2.48 0.00 | 33.18 1.73 0.00 | 33.61 1.69 0.00 | 34.09 1.74 0.00 | 36.54 1.87 0.00 | 51.06 2.62 0.00 | 53.90 2.69 0.00 | 57.38 2.80 0.00 | 53.09 2.86 0.00 | 69.42 3.91 0.00 | 77.34 4.65 0.00 | 63.50 3.95 0.00 | 63.19 3.80 0.00 | 45.04 2.58 0.00 | 43.12 2.53 0.00 | 48.29 2.93 0.00 | 44.69 2.77 0.00 |
| SITHE___STERLING 23777 | 35.05 0.58 0.00 | 34.66 0.62 0.00 | 34.59 0.62 0.00 | 36.91 0.68 0.00 | 34.08 0.64 0.00 | 33.39 0.65 0.00 | 33.98 0.72 0.00 | 44.70 0.92 0.00 | 32.17 0.72 0.00 | 32.66 0.75 0.00 | 33.17 0.82 0.00 | 35.58 0.91 0.00 | 49.67 1.23 0.00 | 52.60 1.39 0.00 | 56.21 1.62 0.00 | 51.74 1.52 0.00 | 67.52 2.00 0.00 | 74.69 2.00 0.00 | 61.11 1.56 0.00 | 60.83 1.45 0.00 | 43.46 1.01 0.00 | 41.45 0.85 0.00 | 46.21 0.85 0.00 | 42.64 0.71 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 33.63 -0.84 0.00 | 33.22 -0.82 0.00 | 33.10 -0.87 0.00 | 35.37 -0.86 0.00 | 32.54 -0.90 0.00 | 31.90 -0.84 0.00 | 32.41 -0.85 0.00 | 42.59 -1.18 0.00 | 30.47 -0.97 0.00 | 30.99 -0.92 0.00 | 31.44 -0.91 0.00 | 33.71 -0.96 0.00 | 47.11 -1.33 0.00 | 49.81 -1.40 0.00 | 53.24 -1.34 0.00 | 49.06 -1.16 0.00 | 63.66 -1.86 0.00 | 70.79 -1.91 0.00 | 57.92 -1.62 0.00 | 57.61 -1.78 0.00 | 41.30 -1.16 0.00 | 39.41 -1.18 0.00 | 44.15 -1.21 0.00 | 40.93 -0.99 0.00 |
| SMITHTWN_69_KV_BK 1 55830 | 36.03 1.56 0.00 | 35.40 1.37 0.00 | 35.22 1.26 0.00 | 37.48 1.25 0.00 | 34.67 1.23 0.00 | 33.99 1.25 0.00 | 34.47 1.21 0.00 | 45.04 1.26 0.00 | 32.45 1.00 0.00 | 33.09 1.04 0.00 | 34.08 1.73 0.00 | 48.95 1.94 -12.34 | 54.17 2.99 -2.74 | 54.86 2.77 -0.88 | 57.60 2.59 -0.43 | 56.02 2.37 -3.43 | 76.69 3.28 -7.90 | 97.86 3.92 -21.24 | 68.50 3.02 -5.93 | 65.79 2.93 -3.47 | 44.32 1.87 0.00 | 42.38 1.78 0.00 | 46.93 1.58 0.00 | 43.23 1.31 0.00 |
| SOUTH CAIRO___GT 23612 | 35.43 0.96 0.00 | 35.06 1.02 0.00 | 35.04 1.08 0.00 | 37.39 1.16 0.00 | 34.65 1.21 0.00 | 33.95 1.22 0.00 | 34.49 1.23 0.00 | 45.43 1.66 0.00 | 32.73 1.28 0.00 | 33.27 1.36 0.00 | 33.60 1.25 0.00 | 35.90 1.24 0.00 | 50.12 1.68 0.00 | 53.20 1.99 0.00 | 57.06 2.47 0.00 | 52.37 2.15 0.00 | 68.47 2.96 0.00 | 75.88 3.19 0.00 | 61.92 2.37 0.00 | 61.58 2.19 0.00 | 44.01 1.55 0.00 | 41.94 1.35 0.00 | 46.70 1.34 0.00 | 43.04 1.11 0.00 |
| SOUTH HAMPTN___IC 23720 | 36.62 2.16 0.00 | 35.94 1.90 0.00 | 35.70 1.73 0.00 | 37.89 1.67 0.00 | 35.06 1.62 0.00 | 34.46 1.73 0.00 | 34.82 1.56 0.00 | 45.43 1.66 0.00 | 32.87 1.42 0.00 | 33.65 1.43 -0.31 | 34.31 1.96 0.00 | 49.01 2.13 -12.22 | 54.34 3.19 -2.71 | 54.89 2.81 -0.87 | 58.10 2.56 -0.96 | 60.20 2.28 -7.70 | 82.91 3.25 -14.14 | 104.30 3.91 -27.70 | 73.79 2.85 -11.39 | 70.05 2.87 -7.80 | 44.16 1.70 -0.01 | 42.27 1.68 0.00 | 47.11 1.75 0.00 | 43.37 1.44 0.00 |
| SOUTHDOW_115KV_TB1 355954 | 34.27 -0.20 0.00 | 33.81 -0.22 0.00 | 33.69 -0.28 0.00 | 36.22 -0.01 0.00 | 33.06 -0.38 0.00 | 32.37 -0.37 0.00 | 32.87 -0.39 0.00 | 43.06 -0.72 0.00 | 30.59 -0.86 0.00 | 31.17 -0.74 0.00 | 31.62 -0.73 0.00 | 34.01 -0.66 0.00 | 47.39 -1.05 0.00 | 49.81 -1.39 0.00 | 53.46 -1.12 0.00 | 48.99 -1.23 0.00 | 63.22 -2.30 0.00 | 70.73 -1.97 0.00 | 58.36 -1.19 0.00 | 58.02 -1.36 0.00 | 41.86 -0.60 0.00 | 39.85 -0.74 0.00 | 45.06 -0.29 0.00 | 41.98 0.06 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 36.93 2.47 0.00 | 36.16 2.13 0.00 | 35.89 1.93 0.00 | 38.07 1.84 0.00 | 35.20 1.76 0.00 | 34.66 1.93 0.00 | 34.90 1.63 0.00 | 45.52 1.74 0.00 | 33.06 1.62 0.00 | 33.84 1.62 -0.31 | 34.39 2.05 0.00 | 48.99 2.10 -12.22 | 54.25 3.10 -2.71 | 54.59 2.52 -0.87 | 57.75 2.21 -0.96 | 59.80 1.89 -7.69 | 82.42 2.77 -14.13 | 103.72 3.34 -27.69 | 73.24 2.31 -11.38 | 69.58 2.41 -7.79 | 43.74 1.28 -0.01 | 41.89 1.30 0.00 | 46.98 1.63 0.00 | 43.26 1.34 0.00 |
| SOUTHOLD___IC 23719 | 36.94 2.47 0.00 | 36.18 2.14 0.00 | 35.90 1.93 0.00 | 38.06 1.84 0.00 | 35.20 1.76 0.00 | 34.66 1.93 0.00 | 34.90 1.63 0.00 | 45.51 1.74 0.00 | 33.06 1.62 0.00 | 33.83 1.61 -0.31 | 34.39 2.05 0.00 | 49.00 2.12 -12.22 | 54.25 3.10 -2.71 | 54.59 2.51 -0.87 | 57.74 2.20 -0.96 | 59.80 1.89 -7.69 | 82.42 2.77 -14.13 | 103.72 3.34 -27.69 | 73.23 2.30 -11.38 | 69.59 2.42 -7.79 | 43.74 1.28 -0.01 | 41.89 1.30 0.00 | 46.98 1.63 0.00 | 43.26 1.34 0.00 |
| SOUTH_FORK_WT_PWR 323839 | 37.00 2.53 0.00 | 36.20 2.16 0.00 | 35.87 1.91 0.00 | 37.99 1.77 0.00 | 35.10 1.66 0.00 | 34.62 1.89 0.00 | 34.75 1.49 0.00 | 45.32 1.54 0.00 | 33.02 1.57 0.00 | 33.78 1.56 -0.31 | 34.24 1.89 0.00 | 48.73 1.85 -12.22 | 53.80 2.64 -2.71 | 53.91 1.84 -0.87 | 56.96 1.42 -0.96 | 59.03 1.11 -7.69 | 81.43 1.77 -14.14 | 102.60 2.21 -27.69 | 72.27 1.33 -11.39 | 68.73 1.55 -7.79 | 43.04 0.57 -0.01 | 41.27 0.68 0.00 | 46.56 1.20 0.00 | 42.90 0.98 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 36.16 1.69 0.00 | 35.81 1.77 0.00 | 35.79 1.83 0.00 | 38.17 1.94 0.00 | 35.34 1.90 0.00 | 34.71 1.97 0.00 | 35.32 2.06 0.00 | 46.47 2.70 0.00 | 33.26 1.81 0.00 | 33.83 1.91 0.00 | 34.27 1.93 0.00 | 36.73 2.06 0.00 | 51.38 2.94 0.00 | 54.59 3.38 0.00 | 58.39 3.81 0.00 | 53.23 3.01 0.00 | 69.79 4.27 0.00 | 77.01 4.31 0.00 | 62.68 3.13 0.00 | 62.44 3.06 0.00 | 44.83 2.37 0.00 | 42.76 2.17 0.00 | 47.82 2.47 0.00 | 43.99 2.07 0.00 |
| ST LAWRENCE____ 23600 | 34.96 0.49 0.00 | 34.52 0.48 0.00 | 34.44 0.47 0.00 | 36.72 0.50 0.00 | 33.86 0.42 0.00 | 33.12 0.38 0.00 | 33.70 0.44 0.00 | 44.48 0.70 0.00 | 31.91 0.47 0.00 | 32.31 0.40 0.00 | 32.74 0.39 0.00 | 35.07 0.40 0.00 | 48.94 0.50 0.00 | 51.66 0.45 0.00 | 55.03 0.45 0.00 | 50.78 0.56 0.00 | 66.28 0.76 0.00 | 73.69 1.00 0.00 | 60.52 0.97 0.00 | 60.34 0.95 0.00 | 43.10 0.64 0.00 | 41.31 0.72 0.00 | 46.29 0.94 0.00 | 42.88 0.96 0.00 |

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| STATE_CA_115KV_115_LB 55624 | 34.69 0.22 0.00 | 34.37 0.33 0.00 | 34.36 0.39 0.00 | 36.65 0.42 0.00 | 33.95 0.51 0.00 | 33.23 0.50 0.00 | 33.73 0.46 0.00 | 44.31 0.53 0.00 | 31.86 0.41 0.00 | 32.32 0.41 0.00 | 32.71 0.36 0.00 | 35.05 0.38 0.00 | 48.97 0.52 0.00 | 51.97 0.77 0.00 | 55.50 0.93 0.00 | 50.85 0.62 0.00 | 66.46 0.95 0.00 | 73.48 0.78 0.00 | 60.01 0.47 0.00 | 59.82 0.44 0.00 | 42.81 0.36 0.00 | 40.88 0.28 0.00 | 45.57 0.21 0.00 | 42.10 0.18 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 34.27 -0.20 0.00 | 33.84 -0.20 0.00 | 33.74 -0.22 0.00 | 35.89 -0.34 0.00 | 33.05 -0.39 0.00 | 32.49 -0.25 0.00 | 33.04 -0.22 0.00 | 43.43 -0.34 0.00 | 31.22 -0.22 0.00 | 31.73 -0.18 0.00 | 32.05 -0.30 0.00 | 34.28 -0.39 0.00 | 48.04 -0.40 0.00 | 50.83 -0.38 0.00 | 54.32 -0.27 0.00 | 49.98 -0.24 0.00 | 65.15 -0.36 0.00 | 72.38 -0.32 0.00 | 59.07 -0.48 0.00 | 58.98 -0.40 0.00 | 42.10 -0.35 0.00 | 40.28 -0.32 0.00 | 44.97 -0.38 0.00 | 41.62 -0.31 0.00 |
| STATION_5_MISC_HYD 23604 | 33.85 -0.62 0.00 | 33.45 -0.59 0.00 | 33.35 -0.62 0.00 | 35.67 -0.55 0.00 | 32.78 -0.66 0.00 | 32.08 -0.66 0.00 | 32.54 -0.72 0.00 | 42.73 -1.05 0.00 | 30.43 -1.02 0.00 | 30.96 -0.95 0.00 | 31.47 -0.88 0.00 | 33.76 -0.90 0.00 | 47.11 -1.33 0.00 | 49.75 -1.46 0.00 | 53.23 -1.36 0.00 | 49.09 -1.13 0.00 | 63.42 -2.09 0.00 | 70.57 -2.13 0.00 | 57.82 -1.73 0.00 | 57.44 -1.95 0.00 | 41.31 -1.15 0.00 | 39.40 -1.19 0.00 | 44.34 -1.02 0.00 | 41.19 -0.73 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 33.84 -0.62 0.00 | 33.42 -0.62 0.00 | 33.31 -0.66 0.00 | 35.59 -0.63 0.00 | 32.75 -0.69 0.00 | 32.09 -0.64 0.00 | 32.59 -0.67 0.00 | 42.83 -0.94 0.00 | 30.64 -0.80 0.00 | 31.17 -0.74 0.00 | 31.65 -0.70 0.00 | 33.93 -0.73 0.00 | 47.40 -1.04 0.00 | 50.11 -1.10 0.00 | 53.54 -1.04 0.00 | 49.35 -0.88 0.00 | 63.99 -1.53 0.00 | 71.15 -1.54 0.00 | 58.26 -1.29 0.00 | 57.94 -1.45 0.00 | 41.56 -0.90 0.00 | 39.64 -0.96 0.00 | 44.43 -0.92 0.00 | 41.17 -0.75 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 33.64 -0.83 0.00 | 33.25 -0.79 0.00 | 33.14 -0.83 0.00 | 35.46 -0.77 0.00 | 32.58 -0.86 0.00 | 31.89 -0.85 0.00 | 32.35 -0.91 0.00 | 42.49 -1.28 0.00 | 30.27 -1.17 0.00 | 30.80 -1.11 0.00 | 31.30 -1.05 0.00 | 33.57 -1.10 0.00 | 46.84 -1.60 0.00 | 49.47 -1.73 0.00 | 52.92 -1.66 0.00 | 48.80 -1.43 0.00 | 63.08 -2.09 0.00 | 70.16 -2.53 0.00 | 57.50 -2.05 0.00 | 57.12 -2.26 0.00 | 41.07 -1.39 0.00 | 39.18 -1.41 0.00 | 44.05 -1.30 0.00 | 40.92 -1.00 0.00 |
| STA_56___34_KV_BUS2 355983 | 33.64 -0.83 0.00 | 33.25 -0.79 0.00 | 33.14 -0.83 0.00 | 35.46 -0.77 0.00 | 32.58 -0.86 0.00 | 31.89 -0.85 0.00 | 32.35 -0.91 0.00 | 42.49 -1.28 0.00 | 30.27 -1.17 0.00 | 30.80 -1.11 0.00 | 31.30 -1.05 0.00 | 33.57 -1.10 0.00 | 46.84 -1.60 0.00 | 49.47 -1.73 0.00 | 52.92 -1.66 0.00 | 48.80 -1.43 0.00 | 63.08 -2.09 0.00 | 70.16 -2.53 0.00 | 57.50 -2.05 0.00 | 57.12 -2.26 0.00 | 41.07 -1.39 0.00 | 39.18 -1.41 0.00 | 44.05 -1.30 0.00 | 40.92 -1.00 0.00 |
| STA_67___115KV_BK2 355882 | 33.79 -0.67 0.00 | 33.41 -0.64 0.00 | 33.28 -0.68 0.00 | 35.62 -0.60 0.00 | 32.72 -0.72 0.00 | 32.03 -0.71 0.00 | 32.49 -0.78 0.00 | 42.65 -1.12 0.00 | 30.36 -1.08 0.00 | 30.90 -1.02 0.00 | 31.40 -0.95 0.00 | 33.68 -0.98 0.00 | 47.00 -1.44 0.00 | 49.62 -1.58 0.00 | 53.09 -1.49 0.00 | 48.96 -1.26 0.00 | 63.25 -2.26 0.00 | 70.37 -2.33 0.00 | 57.67 -1.88 0.00 | 57.27 -2.11 0.00 | 41.21 -1.25 0.00 | 39.32 -1.28 0.00 | 44.23 -1.12 0.00 | 41.11 -0.81 0.00 |
| STA_7___115KV_9TRANS 80674 | 33.98 -0.49 0.00 | 33.58 -0.46 0.00 | 33.45 -0.51 0.00 | 35.79 -0.43 0.00 | 32.88 -0.56 0.00 | 32.20 -0.54 0.00 | 32.66 -0.60 0.00 | 42.90 -0.88 0.00 | 30.55 -0.90 0.00 | 31.11 -0.80 0.00 | 31.62 -0.72 0.00 | 33.95 -0.72 0.00 | 47.36 -1.08 0.00 | 50.03 -1.18 0.00 | 53.53 -1.05 0.00 | 49.37 -0.85 0.00 | 63.81 -1.71 0.00 | 71.01 -1.69 0.00 | 58.19 -1.36 0.00 | 57.79 -1.59 0.00 | 41.55 -0.91 0.00 | 39.63 -0.96 0.00 | 44.56 -0.80 0.00 | 41.39 -0.54 0.00 |
| STA_82___115KV_TB1 80780 | 33.81 -0.66 0.00 | 33.41 -0.63 0.00 | 33.30 -0.67 0.00 | 35.64 -0.58 0.00 | 32.74 -0.70 0.00 | 32.04 -0.69 0.00 | 32.49 -0.77 0.00 | 42.66 -1.11 0.00 | 30.38 -1.07 0.00 | 30.92 -1.00 0.00 | 31.41 -0.94 0.00 | 33.70 -0.96 0.00 | 47.01 -1.43 0.00 | 49.65 -1.56 0.00 | 53.12 -1.46 0.00 | 48.99 -1.24 0.00 | 63.29 -2.22 0.00 | 70.41 -2.29 0.00 | 57.70 -1.85 0.00 | 57.32 -2.07 0.00 | 41.23 -1.23 0.00 | 39.33 -1.26 0.00 | 44.26 -1.10 0.00 | 41.13 -0.80 0.00 |
| STEEL___WIND 323596 | 33.61 -0.86 0.00 | 33.22 -0.82 0.00 | 33.10 -0.87 0.00 | 35.54 -0.69 0.00 | 32.46 -0.98 0.00 | 31.76 -0.97 0.00 | 32.13 -1.13 0.00 | 42.04 -1.73 0.00 | 29.71 -1.74 0.00 | 30.21 -1.70 0.00 | 30.74 -1.61 0.00 | 32.99 -1.68 0.00 | 45.83 -2.61 0.00 | 48.33 -2.88 0.00 | 52.01 -2.58 0.00 | 47.93 -2.30 0.00 | 61.45 -4.07 0.00 | 68.45 -4.24 0.00 | 56.32 -3.22 0.00 | 55.79 -3.59 0.00 | 40.41 -2.05 0.00 | 38.57 -2.02 0.00 | 43.73 -1.63 0.00 | 40.84 -1.08 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 34.85 0.38 0.00 | 34.52 0.48 0.00 | 34.48 0.51 0.00 | 36.71 0.49 0.00 | 34.03 0.59 0.00 | 33.38 0.64 0.00 | 33.93 0.67 0.00 | 44.63 0.85 0.00 | 32.06 0.61 0.00 | 32.58 0.66 0.00 | 32.91 0.56 0.00 | 35.26 0.59 0.00 | 49.22 0.78 0.00 | 52.26 1.05 0.00 | 55.82 1.24 0.00 | 51.05 0.82 0.00 | 66.93 1.42 0.00 | 73.91 1.22 0.00 | 60.41 0.86 0.00 | 60.29 0.91 0.00 | 43.09 0.63 0.00 | 41.17 0.57 0.00 | 45.84 0.48 0.00 | 42.29 0.37 0.00 |
| STEUBEN_REC_LFGE 323667 | 34.15 -0.32 0.00 | 33.60 -0.44 0.00 | 33.49 -0.48 0.00 | 35.97 -0.26 0.00 | 32.84 -0.60 0.00 | 32.13 -0.60 0.00 | 32.52 -0.74 0.00 | 42.39 -1.38 0.00 | 30.47 -0.98 0.00 | 31.01 -0.91 0.00 | 31.60 -0.75 0.00 | 33.92 -0.75 0.00 | 47.07 -1.37 0.00 | 49.49 -1.72 0.00 | 53.71 -0.87 0.00 | 49.28 -0.94 0.00 | 63.38 -2.13 0.00 | 70.62 -2.08 0.00 | 58.34 -1.21 0.00 | 57.87 -1.52 0.00 | 41.76 -0.70 0.00 | 39.66 -0.93 0.00 | 44.88 -0.47 0.00 | 41.62 -0.31 0.00 |
| STILLWATER___SOLAR 323814 | 35.66 1.19 0.00 | 35.29 1.25 0.00 | 35.28 1.31 0.00 | 37.58 1.36 0.00 | 34.80 1.36 0.00 | 34.16 1.43 0.00 | 34.72 1.45 0.00 | 45.69 1.92 0.00 | 32.73 1.28 0.00 | 33.27 1.35 0.00 | 33.67 1.32 0.00 | 36.05 1.39 0.00 | 50.42 1.98 0.00 | 53.54 2.33 0.00 | 57.24 2.66 0.00 | 52.33 2.10 0.00 | 68.51 3.00 0.00 | 75.70 3.00 0.00 | 61.73 2.17 0.00 | 61.50 2.11 0.00 | 44.08 1.63 0.00 | 42.05 1.46 0.00 | 46.95 1.60 0.00 | 43.27 1.35 0.00 |
| STONY___BROOK 24151 | 36.01 1.54 0.00 | 35.40 1.36 0.00 | 35.21 1.24 0.00 | 37.45 1.23 0.00 | 34.65 1.21 0.00 | 33.97 1.24 0.00 | 34.45 1.19 0.00 | 45.00 1.23 0.00 | 32.45 1.00 0.00 | 33.18 1.04 0.00 | 34.05 1.71 0.00 | 48.88 1.92 -12.30 | 54.12 2.95 -2.73 | 54.82 2.74 -0.88 | 57.82 2.54 -0.69 | 58.11 2.33 -5.56 | 79.76 3.23 -11.02 | 101.05 3.86 -24.49 | 71.17 2.96 -8.66 | 67.88 2.87 -5.63 | 44.29 1.83 -0.01 | 42.34 1.75 0.00 | 46.90 1.54 0.00 | 43.19 1.27 0.00 |
| STURGEON_POOL_HYD 23609 | 35.28 0.81 0.00 | 34.80 0.76 0.00 | 34.68 0.71 0.00 | 36.98 0.75 0.00 | 34.15 0.71 0.00 | 33.46 0.72 0.00 | 34.04 0.78 0.00 | 44.80 1.03 0.00 | 32.25 0.81 0.00 | 32.77 0.86 0.00 | 33.27 0.92 0.00 | 35.78 1.11 0.00 | 50.11 1.67 0.00 | 52.88 1.68 0.00 | 56.23 1.65 0.00 | 51.73 1.50 0.00 | 67.63 2.11 0.00 | 75.10 2.40 0.00 | 61.41 1.86 0.00 | 61.26 1.88 0.00 | 43.71 1.26 0.00 | 41.68 1.09 0.00 | 46.38 1.02 0.00 | 42.77 0.85 0.00 |

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| ST_LAW_115_BK7_LBMP 345037 | 35.00 0.53 0.00 | 34.57 0.53 0.00 | 34.48 0.51 0.00 | 36.77 0.55 0.00 | 33.90 0.47 0.00 | 33.16 0.43 0.00 | 33.76 0.50 0.00 | 44.56 0.79 0.00 | 31.96 0.52 0.00 | 32.36 0.45 0.00 | 32.79 0.44 0.00 | 35.14 0.47 0.00 | 49.03 0.59 0.00 | 51.75 0.55 0.00 | 55.11 0.53 0.00 | 50.87 0.65 0.00 | 66.40 0.89 0.00 | 73.83 1.14 0.00 | 60.66 1.11 0.00 | 60.47 1.09 0.00 | 43.19 0.73 0.00 | 41.40 0.81 0.00 | 46.39 1.04 0.00 | 42.98 1.05 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 35.00 0.53 0.00 | 34.57 0.53 0.00 | 34.48 0.51 0.00 | 36.77 0.55 0.00 | 33.90 0.47 0.00 | 33.16 0.43 0.00 | 33.76 0.50 0.00 | 44.56 0.79 0.00 | 31.96 0.52 0.00 | 32.36 0.45 0.00 | 32.79 0.44 0.00 | 35.14 0.47 0.00 | 49.03 0.59 0.00 | 51.75 0.55 0.00 | 55.11 0.53 0.00 | 50.87 0.65 0.00 | 66.40 0.89 0.00 | 73.83 1.14 0.00 | 60.66 1.11 0.00 | 60.47 1.09 0.00 | 43.19 0.73 0.00 | 41.40 0.81 0.00 | 46.39 1.04 0.00 | 42.98 1.05 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 34.96 0.49 0.00 | 34.52 0.48 0.00 | 34.44 0.47 0.00 | 36.72 0.50 0.00 | 33.86 0.42 0.00 | 33.12 0.38 0.00 | 33.70 0.44 0.00 | 44.48 0.70 0.00 | 31.91 0.47 0.00 | 32.31 0.40 0.00 | 32.74 0.39 0.00 | 35.07 0.40 0.00 | 48.94 0.50 0.00 | 51.66 0.45 0.00 | 55.03 0.45 0.00 | 50.78 0.56 0.00 | 66.28 0.76 0.00 | 73.69 1.00 0.00 | 60.52 0.97 0.00 | 60.34 0.95 0.00 | 43.10 0.64 0.00 | 41.31 0.72 0.00 | 46.29 0.94 0.00 | 42.88 0.96 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 34.96 0.49 0.00 | 34.52 0.48 0.00 | 34.44 0.47 0.00 | 36.72 0.50 0.00 | 33.86 0.42 0.00 | 33.12 0.38 0.00 | 33.70 0.44 0.00 | 44.48 0.70 0.00 | 31.91 0.47 0.00 | 32.31 0.40 0.00 | 32.74 0.39 0.00 | 35.07 0.40 0.00 | 48.94 0.50 0.00 | 51.66 0.45 0.00 | 55.03 0.45 0.00 | 50.78 0.56 0.00 | 66.28 0.76 0.00 | 73.69 1.00 0.00 | 60.52 0.97 0.00 | 60.34 0.95 0.00 | 43.10 0.64 0.00 | 41.31 0.72 0.00 | 46.29 0.94 0.00 | 42.88 0.96 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 35.23 0.76 0.00 | 34.76 0.72 0.00 | 34.62 0.66 0.00 | 36.93 0.70 0.00 | 34.09 0.66 0.00 | 33.41 0.68 0.00 | 33.99 0.73 0.00 | 44.76 0.98 0.00 | 32.18 0.74 0.00 | 32.70 0.79 0.00 | 33.19 0.84 0.00 | 35.67 1.01 0.00 | 49.96 1.52 0.00 | 52.69 1.48 0.00 | 56.05 1.47 0.00 | 51.61 1.38 0.00 | 67.50 1.98 0.00 | 74.94 2.24 0.00 | 61.29 1.74 0.00 | 61.10 1.71 0.00 | 43.61 1.15 0.00 | 41.59 1.00 0.00 | 46.31 0.95 0.00 | 42.75 0.83 0.00 |
| SWANROAD_115KV_TB1 355699 | 32.95 -1.52 0.00 | 32.62 -1.42 0.00 | 32.50 -1.47 0.00 | 34.90 -1.32 0.00 | 31.95 -1.49 0.00 | 31.23 -1.50 0.00 | 31.55 -1.71 0.00 | 41.20 -2.58 0.00 | 29.00 -2.45 0.00 | 29.50 -2.42 0.00 | 30.04 -2.31 0.00 | 32.20 -2.47 0.00 | 44.74 -3.70 0.00 | 47.23 -3.98 0.00 | 50.63 -3.95 0.00 | 46.78 -3.45 0.00 | 59.80 -5.72 0.00 | 66.47 -6.22 0.00 | 54.78 -4.77 0.00 | 54.20 -5.19 0.00 | 39.29 -3.17 0.00 | 37.62 -2.97 0.00 | 42.66 -2.69 0.00 | 40.26 -1.67 0.00 |
| SYNERGY___BIOGAS 323694 | 34.17 -0.30 0.00 | 33.78 -0.26 0.00 | 33.65 -0.32 0.00 | 36.09 -0.13 0.00 | 33.10 -0.34 0.00 | 32.39 -0.35 0.00 | 32.81 -0.45 0.00 | 43.02 -0.75 0.00 | 30.47 -0.98 0.00 | 31.04 -0.87 0.00 | 31.60 -0.75 0.00 | 33.91 -0.76 0.00 | 47.22 -1.22 0.00 | 49.83 -1.37 0.00 | 53.42 -1.17 0.00 | 49.32 -0.90 0.00 | 63.41 -2.10 0.00 | 70.61 -2.09 0.00 | 58.02 -1.53 0.00 | 57.48 -1.90 0.00 | 41.48 -0.98 0.00 | 39.55 -1.04 0.00 | 44.64 -0.71 0.00 | 41.76 -0.17 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 33.97 -0.50 0.00 | 33.51 -0.53 0.00 | 33.42 -0.55 0.00 | 35.65 -0.58 0.00 | 32.87 -0.57 0.00 | 32.19 -0.55 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.95 -0.50 0.00 | 31.44 -0.48 0.00 | 31.87 -0.48 0.00 | 34.15 -0.52 0.00 | 47.73 -0.71 0.00 | 50.47 -0.74 0.00 | 53.92 -0.66 0.00 | 49.60 -0.63 0.00 | 64.62 -0.89 0.00 | 71.73 -0.97 0.00 | 58.73 -0.81 0.00 | 58.54 -0.85 0.00 | 41.86 -0.60 0.00 | 39.94 -0.65 0.00 | 44.61 -0.74 0.00 | 41.19 -0.73 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 33.97 -0.50 0.00 | 33.51 -0.53 0.00 | 33.42 -0.55 0.00 | 35.65 -0.58 0.00 | 32.87 -0.57 0.00 | 32.19 -0.55 0.00 | 32.72 -0.54 0.00 | 43.01 -0.77 0.00 | 30.95 -0.50 0.00 | 31.44 -0.48 0.00 | 31.87 -0.48 0.00 | 34.15 -0.52 0.00 | 47.73 -0.71 0.00 | 50.47 -0.74 0.00 | 53.92 -0.66 0.00 | 49.60 -0.63 0.00 | 64.62 -0.89 0.00 | 71.73 -0.97 0.00 | 58.73 -0.81 0.00 | 58.54 -0.85 0.00 | 41.86 -0.60 0.00 | 39.94 -0.65 0.00 | 44.61 -0.74 0.00 | 41.19 -0.73 0.00 |
| SYRACUSE___POWER 24017 | 33.98 -0.48 0.00 | 33.52 -0.52 0.00 | 33.42 -0.55 0.00 | 35.66 -0.57 0.00 | 32.90 -0.54 0.00 | 32.21 -0.53 0.00 | 32.74 -0.52 0.00 | 43.02 -0.75 0.00 | 30.96 -0.49 0.00 | 31.45 -0.47 0.00 | 31.90 -0.45 0.00 | 34.18 -0.48 0.00 | 47.75 -0.69 0.00 | 50.51 -0.70 0.00 | 53.97 -0.61 0.00 | 49.65 -0.57 0.00 | 64.68 -0.83 0.00 | 71.81 -0.89 0.00 | 58.83 -0.72 0.00 | 58.60 -0.78 0.00 | 41.92 -0.54 0.00 | 39.98 -0.61 0.00 | 44.65 -0.71 0.00 | 41.23 -0.69 0.00 |
| TALLMAN_138KV_BK151 55660 | 35.26 0.79 0.00 | 34.79 0.75 0.00 | 34.65 0.69 0.00 | 36.96 0.73 0.00 | 34.11 0.67 0.00 | 33.42 0.69 0.00 | 34.02 0.76 0.00 | 44.80 1.02 0.00 | 32.23 0.78 0.00 | 32.74 0.83 0.00 | 33.26 0.91 0.00 | 35.77 1.10 0.00 | 50.07 1.64 0.00 | 52.75 1.54 0.00 | 56.10 1.52 0.00 | 51.67 1.45 0.00 | 67.62 2.10 0.00 | 75.07 2.37 0.00 | 61.36 1.81 0.00 | 61.19 1.81 0.00 | 43.66 1.20 0.00 | 41.64 1.05 0.00 | 46.37 1.01 0.00 | 42.80 0.88 0.00 |
| TEALLAVE_115KV_TB7 355573 | 33.79 -0.68 0.00 | 33.33 -0.70 0.00 | 33.24 -0.73 0.00 | 35.47 -0.76 0.00 | 32.72 -0.72 0.00 | 32.04 -0.69 0.00 | 32.56 -0.70 0.00 | 42.77 -1.00 0.00 | 30.77 -0.67 0.00 | 31.26 -0.66 0.00 | 31.71 -0.64 0.00 | 33.98 -0.69 0.00 | 47.47 -0.97 0.00 | 50.21 -1.00 0.00 | 53.60 -0.98 0.00 | 49.34 -0.89 0.00 | 64.26 -1.26 0.00 | 71.29 -1.41 0.00 | 58.39 -1.15 0.00 | 58.18 -1.21 0.00 | 41.62 -0.84 0.00 | 39.71 -0.88 0.00 | 44.37 -0.99 0.00 | 40.98 -0.95 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 33.59 -0.88 0.00 | 33.22 -0.82 0.00 | 33.11 -0.86 0.00 | 35.52 -0.70 0.00 | 32.53 -0.91 0.00 | 31.81 -0.92 0.00 | 32.19 -1.07 0.00 | 42.14 -1.64 0.00 | 29.74 -1.70 0.00 | 30.28 -1.63 0.00 | 30.82 -1.53 0.00 | 33.06 -1.61 0.00 | 45.99 -2.45 0.00 | 48.54 -2.67 0.00 | 52.04 -2.54 0.00 | 48.06 -2.17 0.00 | 61.62 -3.90 0.00 | 68.55 -4.15 0.00 | 56.40 -3.15 0.00 | 55.84 -3.54 0.00 | 40.38 -2.08 0.00 | 38.59 -2.00 0.00 | 43.68 -1.67 0.00 | 40.99 -0.94 0.00 |
| TEMPLE___115KV_TB 2 55572 | 33.79 -0.68 0.00 | 33.33 -0.70 0.00 | 33.24 -0.73 0.00 | 35.47 -0.76 0.00 | 32.72 -0.72 0.00 | 32.04 -0.69 0.00 | 32.56 -0.70 0.00 | 42.77 -1.00 0.00 | 30.78 -0.67 0.00 | 31.26 -0.66 0.00 | 31.71 -0.64 0.00 | 33.98 -0.69 0.00 | 47.48 -0.96 0.00 | 50.21 -1.00 0.00 | 53.62 -0.97 0.00 | 49.34 -0.89 0.00 | 64.26 -1.25 0.00 | 71.31 -1.39 0.00 | 58.41 -1.14 0.00 | 58.18 -1.21 0.00 | 41.63 -0.83 0.00 | 39.71 -0.87 0.00 | 44.37 -0.99 0.00 | 40.98 -0.94 0.00 |
| TIANA____69_KV_BK 1 55817 | 36.51 2.04 0.00 | 35.82 1.78 0.00 | 35.60 1.64 0.00 | 37.84 1.61 0.00 | 35.01 1.57 0.00 | 34.39 1.65 0.00 | 34.79 1.53 0.00 | 45.37 1.60 0.00 | 32.80 1.36 0.00 | 33.59 1.37 0.00 | 34.29 1.94 0.00 | 49.00 2.11 -12.22 | 54.37 3.22 -2.71 | 54.97 2.90 -0.87 | 58.24 2.70 -0.96 | 60.31 2.40 -7.69 | 83.05 3.40 -14.13 | 104.45 4.07 -27.69 | 73.95 3.02 -11.38 | 70.17 3.00 -7.79 | 44.29 1.82 -0.01 | 42.37 1.78 0.00 | 47.15 1.80 0.00 | 43.39 1.47 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| TILDEN___115KV_TB1 80814 | 33.98 -0.48 0.00 | 33.52 -0.52 0.00 | 33.42 -0.55 0.00 | 35.66 -0.57 0.00 | 32.90 -0.54 0.00 | 32.21 -0.53 0.00 | 32.74 -0.52 0.00 | 43.02 -0.75 0.00 | 30.96 -0.49 0.00 | 31.45 -0.47 0.00 | 31.90 -0.45 0.00 | 34.18 -0.48 0.00 | 47.75 -0.69 0.00 | 50.51 -0.70 0.00 | 53.97 -0.61 0.00 | 49.65 -0.57 0.00 | 64.68 -0.83 0.00 | 71.81 -0.89 0.00 | 58.83 -0.72 0.00 | 58.60 -0.78 0.00 | 41.92 -0.54 0.00 | 39.98 -0.61 0.00 | 44.65 -0.71 0.00 | 41.23 -0.69 0.00 |
| TRIGEN___CC 323695 | 35.71 1.25 0.00 | 35.17 1.13 0.00 | 35.00 1.03 0.00 | 37.32 1.09 0.00 | 34.47 1.03 0.00 | 33.79 1.05 0.00 | 34.29 1.03 0.00 | 44.97 1.20 0.00 | 32.39 0.94 0.00 | 32.94 1.02 0.00 | 33.79 1.44 0.00 | 58.10 1.65 -21.78 | 55.71 2.43 -4.83 | 55.06 2.30 -1.55 | 56.80 2.21 0.00 | 52.28 2.06 0.00 | 73.39 2.83 -5.05 | 104.09 3.25 -28.14 | 64.78 2.52 -2.72 | 61.87 2.49 0.00 | 44.11 1.65 0.00 | 42.12 1.54 0.00 | 46.76 1.40 0.00 | 43.12 1.20 0.00 |
| TRINITY___115KV___4 BK 55933 | 34.55 0.08 0.00 | 34.24 0.20 0.00 | 34.23 0.27 0.00 | 36.51 0.29 0.00 | 33.83 0.39 0.00 | 33.11 0.38 0.00 | 33.60 0.34 0.00 | 44.14 0.37 0.00 | 31.73 0.28 0.00 | 32.18 0.27 0.00 | 32.56 0.21 0.00 | 34.87 0.21 0.00 | 48.74 0.30 0.00 | 51.72 0.52 0.00 | 55.23 0.64 0.00 | 50.58 0.36 0.00 | 66.11 0.60 0.00 | 73.09 0.39 0.00 | 59.70 0.15 0.00 | 59.52 0.14 0.00 | 42.62 0.17 0.00 | 40.69 0.10 0.00 | 45.38 0.02 0.00 | 41.93 0.00 0.00 |
| UNION___PROCESSING_DRP 323587 | 33.81 -0.65 0.00 | 33.42 -0.62 0.00 | 33.31 -0.65 0.00 | 35.65 -0.58 0.00 | 32.74 -0.70 0.00 | 32.04 -0.69 0.00 | 32.50 -0.76 0.00 | 42.68 -1.10 0.00 | 30.39 -1.06 0.00 | 30.92 -0.99 0.00 | 31.42 -0.92 0.00 | 33.72 -0.95 0.00 | 47.02 -1.42 0.00 | 49.66 -1.55 0.00 | 53.13 -1.45 0.00 | 49.01 -1.21 0.00 | 63.30 -2.21 0.00 | 70.43 -2.26 0.00 | 57.72 -1.83 0.00 | 57.33 -2.06 0.00 | 41.24 -1.22 0.00 | 39.34 -1.25 0.00 | 44.26 -1.09 0.00 | 41.14 -0.78 0.00 |
| UPPER HUDSON___HYD 24058 | 36.16 1.69 0.00 | 35.81 1.77 0.00 | 35.79 1.83 0.00 | 38.17 1.94 0.00 | 35.34 1.90 0.00 | 34.71 1.97 0.00 | 35.32 2.06 0.00 | 46.47 2.70 0.00 | 33.26 1.81 0.00 | 33.83 1.91 0.00 | 34.27 1.93 0.00 | 36.73 2.06 0.00 | 51.38 2.94 0.00 | 54.59 3.38 0.00 | 58.39 3.81 0.00 | 53.23 3.01 0.00 | 69.79 4.27 0.00 | 77.01 4.31 0.00 | 62.68 3.13 0.00 | 62.44 3.06 0.00 | 44.83 2.37 0.00 | 42.76 2.17 0.00 | 47.82 2.46 0.00 | 43.99 2.07 0.00 |
| UPPER RAQUET___HYD 24056 | 35.78 1.31 0.00 | 35.32 1.28 0.00 | 35.23 1.27 0.00 | 37.57 1.34 0.00 | 34.64 1.20 0.00 | 33.88 1.14 0.00 | 34.52 1.26 0.00 | 45.63 1.86 0.00 | 32.74 1.30 0.00 | 33.17 1.26 0.00 | 33.63 1.28 0.00 | 36.05 1.39 0.00 | 50.33 1.89 0.00 | 53.09 1.89 0.00 | 56.56 1.98 0.00 | 52.30 2.07 0.00 | 68.36 2.84 0.00 | 76.13 3.44 0.00 | 62.53 2.98 0.00 | 62.25 2.87 0.00 | 44.40 1.95 0.00 | 42.52 1.93 0.00 | 47.64 2.28 0.00 | 44.09 2.16 0.00 |
| VALLEY44_115KV_TB2 355964 | 33.23 -1.23 0.00 | 32.85 -1.19 0.00 | 32.70 -1.27 0.00 | 35.12 -1.10 0.00 | 32.12 -1.32 0.00 | 31.44 -1.30 0.00 | 31.89 -1.37 0.00 | 41.83 -1.95 0.00 | 29.70 -1.75 0.00 | 30.24 -1.67 0.00 | 30.70 -1.65 0.00 | 33.00 -1.66 0.00 | 45.94 -2.50 0.00 | 48.33 -2.88 0.00 | 51.98 -2.60 0.00 | 47.82 -2.40 0.00 | 61.64 -3.88 0.00 | 68.78 -3.92 0.00 | 56.59 -2.96 0.00 | 56.36 -3.02 0.00 | 40.70 -1.76 0.00 | 38.72 -1.88 0.00 | 43.75 -1.60 0.00 | 40.67 -1.26 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 35.75 1.28 0.00 | 35.31 1.27 0.00 | 35.22 1.25 0.00 | 37.39 1.16 0.00 | 34.34 0.90 0.00 | 33.61 0.87 0.00 | 34.15 0.88 0.00 | 44.93 1.15 0.00 | 32.25 0.81 0.00 | 32.83 0.92 0.00 | 33.32 0.98 0.00 | 35.68 1.01 0.00 | 49.86 1.42 0.00 | 52.88 1.68 0.00 | 56.37 1.78 0.00 | 51.74 1.51 0.00 | 67.55 2.03 0.00 | 74.90 2.21 0.00 | 61.29 1.74 0.00 | 61.20 1.81 0.00 | 44.22 1.76 0.00 | 42.22 1.62 0.00 | 47.03 1.68 0.00 | 43.33 1.40 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 35.42 0.95 0.00 | 34.94 0.90 0.00 | 34.87 0.90 0.00 | 37.20 0.97 0.00 | 34.30 0.87 0.00 | 33.60 0.86 0.00 | 34.12 0.86 0.00 | 44.92 1.15 0.00 | 32.35 0.90 0.00 | 32.92 1.01 0.00 | 33.41 1.06 0.00 | 35.76 1.09 0.00 | 49.98 1.55 0.00 | 52.73 1.52 0.00 | 56.24 1.66 0.00 | 51.84 1.61 0.00 | 67.63 2.12 0.00 | 75.15 2.45 0.00 | 61.56 2.01 0.00 | 61.35 1.97 0.00 | 43.86 1.40 0.00 | 41.81 1.22 0.00 | 46.58 1.23 0.00 | 43.01 1.09 0.00 |
| VISCHER___FERRY HYD 24020 | 35.04 0.57 0.00 | 34.69 0.65 0.00 | 34.68 0.71 0.00 | 36.96 0.73 0.00 | 34.24 0.80 0.00 | 33.59 0.86 0.00 | 34.12 0.86 0.00 | 44.83 1.06 0.00 | 32.12 0.67 0.00 | 32.64 0.72 0.00 | 33.00 0.65 0.00 | 35.30 0.64 0.00 | 49.36 0.92 0.00 | 52.46 1.25 0.00 | 56.09 1.50 0.00 | 51.26 1.03 0.00 | 67.07 1.56 0.00 | 74.05 1.36 0.00 | 60.43 0.88 0.00 | 60.21 0.83 0.00 | 43.15 0.69 0.00 | 41.20 0.60 0.00 | 45.97 0.62 0.00 | 42.43 0.51 0.00 |
| V_A_10_SYNC_DSASP 323832 | 33.31 -1.16 0.00 | 32.97 -1.07 0.00 | 32.87 -1.10 0.00 | 35.24 -0.99 0.00 | 32.28 -1.15 0.00 | 31.57 -1.16 0.00 | 31.98 -1.29 0.00 | 41.89 -1.88 0.00 | 29.64 -1.81 0.00 | 30.15 -1.76 0.00 | 30.65 -1.70 0.00 | 32.87 -1.80 0.00 | 45.77 -2.67 0.00 | 48.27 -2.94 0.00 | 51.69 -2.89 0.00 | 47.71 -2.51 0.00 | 61.34 -4.18 0.00 | 68.19 -4.51 0.00 | 56.00 -3.55 0.00 | 55.55 -3.84 0.00 | 40.12 -2.33 0.00 | 38.32 -2.27 0.00 | 43.35 -2.01 0.00 | 40.46 -1.46 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 35.18 0.71 0.00 | 34.74 0.70 0.00 | 34.67 0.71 0.00 | 36.96 0.74 0.00 | 34.08 0.64 0.00 | 33.34 0.61 0.00 | 33.93 0.67 0.00 | 44.81 1.04 0.00 | 32.14 0.70 0.00 | 32.54 0.63 0.00 | 32.96 0.61 0.00 | 35.32 0.65 0.00 | 49.31 0.86 0.00 | 52.02 0.81 0.00 | 55.41 0.83 0.00 | 51.15 0.92 0.00 | 66.75 1.23 0.00 | 74.26 1.56 0.00 | 61.01 1.46 0.00 | 60.81 1.43 0.00 | 43.44 0.98 0.00 | 41.63 1.04 0.00 | 46.66 1.30 0.00 | 43.22 1.30 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 35.48 1.01 0.00 | 35.02 0.98 0.00 | 34.94 0.98 0.00 | 37.24 1.01 0.00 | 34.30 0.86 0.00 | 33.53 0.79 0.00 | 34.02 0.76 0.00 | 44.89 1.12 0.00 | 32.13 0.68 0.00 | 32.28 0.37 0.00 | 32.54 0.20 0.00 | 34.75 0.08 0.00 | 48.18 -0.25 0.00 | 50.85 -0.36 0.00 | 54.22 -0.36 0.00 | 50.10 -0.12 0.00 | 65.52 0.00 0.00 | 72.93 0.24 0.00 | 59.94 0.39 0.00 | 59.76 0.37 0.00 | 42.67 0.22 0.00 | 41.18 0.58 0.00 | 46.64 1.28 0.00 | 43.27 1.34 0.00 |
| V_D_10_SYNC_DSASP 323841 | 35.52 1.05 0.00 | 35.08 1.04 0.00 | 35.00 1.04 0.00 | 37.32 1.10 0.00 | 34.40 0.96 0.00 | 33.66 0.92 0.00 | 34.26 1.00 0.00 | 45.25 1.48 0.00 | 32.46 1.01 0.00 | 32.86 0.95 0.00 | 33.30 0.96 0.00 | 35.69 1.02 0.00 | 49.81 1.37 0.00 | 52.57 1.36 0.00 | 55.98 1.40 0.00 | 51.70 1.47 0.00 | 67.49 1.98 0.00 | 75.09 2.39 0.00 | 61.71 2.16 0.00 | 61.49 2.11 0.00 | 43.90 1.45 0.00 | 42.07 1.48 0.00 | 47.15 1.80 0.00 | 43.67 1.75 0.00 |
| V_E_10_SYNC_DSASP 323830 | 36.68 2.21 0.00 | 36.13 2.09 0.00 | 35.89 1.93 0.00 | 38.24 2.02 0.00 | 35.08 1.64 0.00 | 34.51 1.77 0.00 | 34.91 1.65 0.00 | 45.93 2.15 0.00 | 33.09 1.64 0.00 | 33.62 1.71 0.00 | 34.19 1.84 0.00 | 36.34 1.67 0.00 | 50.91 2.47 0.00 | 53.29 2.08 0.00 | 56.35 1.76 0.00 | 51.26 1.03 0.00 | 67.06 1.55 0.00 | 75.52 2.83 0.00 | 62.91 3.36 0.00 | 62.89 3.51 0.00 | 45.18 2.72 0.00 | 43.04 2.45 0.00 | 48.01 2.66 0.00 | 44.30 2.38 0.00 |

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| V_F_30_NSYNC___DSASP 323816 | 35.70 1.23 0.00 | 35.33 1.29 0.00 | 35.31 1.34 0.00 | 37.62 1.39 0.00 | 34.83 1.40 0.00 | 34.19 1.46 0.00 | 34.75 1.49 0.00 | 45.74 1.97 0.00 | 32.77 1.32 0.00 | 33.31 1.40 0.00 | 33.71 1.36 0.00 | 36.11 1.44 0.00 | 50.50 2.06 0.00 | 53.62 2.41 0.00 | 57.32 2.73 0.00 | 52.41 2.18 0.00 | 68.60 3.09 0.00 | 75.81 3.11 0.00 | 61.83 2.28 0.00 | 61.59 2.21 0.00 | 44.17 1.71 0.00 | 42.10 1.51 0.00 | 47.01 1.65 0.00 | 43.33 1.41 0.00 |
| V_F_30_SYNC_DSASP 323786 | 34.68 0.21 0.00 | 34.36 0.32 0.00 | 34.35 0.39 0.00 | 36.64 0.42 0.00 | 33.95 0.51 0.00 | 33.23 0.50 0.00 | 33.73 0.46 0.00 | 44.31 0.53 0.00 | 31.86 0.41 0.00 | 32.32 0.41 0.00 | 32.69 0.35 0.00 | 35.04 0.37 0.00 | 48.95 0.51 0.00 | 51.96 0.75 0.00 | 55.49 0.91 0.00 | 50.83 0.61 0.00 | 66.46 0.94 0.00 | 73.47 0.77 0.00 | 60.00 0.45 0.00 | 59.81 0.43 0.00 | 42.81 0.36 0.00 | 40.87 0.28 0.00 | 45.57 0.21 0.00 | 42.09 0.16 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 35.48 1.01 0.00 | 35.02 0.98 0.00 | 34.94 0.98 0.00 | 37.24 1.01 0.00 | 34.30 0.86 0.00 | 33.53 0.79 0.00 | 34.02 0.76 0.00 | 44.89 1.12 0.00 | 32.13 0.68 0.00 | 32.28 0.37 0.00 | 32.54 0.20 0.00 | 34.75 0.08 0.00 | 48.18 -0.25 0.00 | 50.85 -0.36 0.00 | 54.22 -0.36 0.00 | 50.10 -0.12 0.00 | 65.52 0.00 0.00 | 72.93 0.24 0.00 | 59.94 0.39 0.00 | 59.76 0.37 0.00 | 42.67 0.22 0.00 | 41.18 0.58 0.00 | 46.64 1.28 0.00 | 43.27 1.34 0.00 |
| W.BABYLN_69_KV_BK1 56697 | 36.24 1.77 0.00 | 35.63 1.59 0.00 | 35.45 1.48 0.00 | 37.77 1.54 0.00 | 34.90 1.46 0.00 | 34.20 1.47 0.00 | 34.70 1.44 0.00 | 45.40 1.63 0.00 | 32.68 1.23 0.00 | 33.28 1.29 -0.08 | 34.25 1.91 0.00 | 50.87 2.26 -13.94 | 54.91 3.38 -3.09 | 55.42 3.22 -0.99 | 58.00 3.16 -0.25 | 55.22 2.96 -2.04 | 75.74 3.99 -6.23 | 98.48 4.61 -21.18 | 67.56 3.65 -4.36 | 65.06 3.61 -2.07 | 44.82 2.36 0.00 | 42.77 2.17 0.00 | 47.39 2.03 0.00 | 43.63 1.71 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 35.44 0.97 0.00 | 34.96 0.92 0.00 | 34.82 0.86 0.00 | 37.14 0.91 0.00 | 34.28 0.84 0.00 | 33.59 0.85 0.00 | 34.19 0.93 0.00 | 45.02 1.25 0.00 | 32.40 0.95 0.00 | 32.91 1.00 0.00 | 33.43 1.08 0.00 | 35.95 1.28 0.00 | 50.35 1.91 0.00 | 53.05 1.84 0.00 | 56.42 1.84 0.00 | 51.97 1.74 0.00 | 68.00 2.48 0.00 | 75.50 2.81 0.00 | 61.72 2.17 0.00 | 61.55 2.17 0.00 | 43.91 1.45 0.00 | 41.88 1.28 0.00 | 46.61 1.25 0.00 | 43.01 1.08 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 35.69 1.22 0.00 | 35.19 1.15 0.00 | 35.02 1.06 0.00 | 37.34 1.12 0.00 | 34.47 1.03 0.00 | 33.79 1.06 0.00 | 34.39 1.13 0.00 | 45.26 1.49 0.00 | 32.58 1.14 0.00 | 33.15 1.24 0.00 | 33.65 1.30 0.00 | 36.20 1.54 0.00 | 50.67 2.23 0.00 | 53.36 2.15 0.00 | 56.73 2.14 0.00 | 52.23 2.00 0.00 | 68.22 2.71 0.00 | 75.82 3.12 0.00 | 61.98 2.43 0.00 | 61.84 2.45 0.00 | 44.11 1.65 0.00 | 42.08 1.49 0.00 | 46.79 1.44 0.00 | 43.16 1.24 0.00 |
| W50THST__13_KV_LOAD 356117 | 35.84 1.38 0.00 | 35.35 1.32 0.00 | 35.17 1.21 0.00 | 37.51 1.29 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.56 1.29 0.00 | 45.48 1.71 0.00 | 32.74 1.30 0.00 | 33.32 1.41 0.00 | 33.83 1.49 0.00 | 36.40 1.74 0.00 | 50.92 2.49 0.00 | 53.64 2.43 0.00 | 57.02 2.44 0.00 | 52.50 2.28 0.00 | 68.55 3.03 0.00 | 76.14 3.44 0.00 | 62.25 2.70 0.00 | 62.09 2.71 0.00 | 44.31 1.85 0.00 | 42.27 1.68 0.00 | 47.00 1.64 0.00 | 43.34 1.42 0.00 |
| WADING RIVER_IC_1 23522 | 36.24 1.77 0.00 | 35.60 1.56 0.00 | 35.39 1.42 0.00 | 37.61 1.39 0.00 | 34.82 1.38 0.00 | 34.17 1.44 0.00 | 34.61 1.36 0.00 | 45.16 1.38 0.00 | 32.60 1.15 0.00 | 33.38 1.16 -0.31 | 34.15 1.80 0.00 | 48.86 1.99 -12.21 | 54.24 3.09 -2.71 | 54.90 2.82 -0.87 | 58.17 2.62 -0.97 | 60.36 2.38 -7.75 | 83.07 3.33 -14.23 | 104.46 3.99 -27.78 | 74.02 3.01 -11.46 | 70.18 2.94 -7.85 | 44.30 1.83 -0.01 | 42.38 1.79 0.00 | 47.03 1.67 0.00 | 43.29 1.36 0.00 |
| WADING RIVER_IC_2 23547 | 36.24 1.77 0.00 | 35.60 1.56 0.00 | 35.39 1.42 0.00 | 37.61 1.39 0.00 | 34.82 1.38 0.00 | 34.17 1.44 0.00 | 34.61 1.36 0.00 | 45.16 1.38 0.00 | 32.60 1.15 0.00 | 33.38 1.16 -0.31 | 34.15 1.80 0.00 | 48.86 1.99 -12.21 | 54.24 3.09 -2.71 | 54.90 2.82 -0.87 | 58.17 2.62 -0.97 | 60.36 2.38 -7.75 | 83.07 3.33 -14.23 | 104.46 3.99 -27.78 | 74.02 3.01 -11.46 | 70.18 2.94 -7.85 | 44.30 1.83 -0.01 | 42.38 1.79 0.00 | 47.03 1.67 0.00 | 43.29 1.36 0.00 |
| WADING RIVER_IC_3 23601 | 36.24 1.77 0.00 | 35.60 1.56 0.00 | 35.39 1.42 0.00 | 37.61 1.39 0.00 | 34.82 1.38 0.00 | 34.17 1.44 0.00 | 34.61 1.36 0.00 | 45.16 1.38 0.00 | 32.60 1.15 0.00 | 33.38 1.16 -0.31 | 34.15 1.80 0.00 | 48.86 1.99 -12.21 | 54.24 3.09 -2.71 | 54.90 2.82 -0.87 | 58.17 2.62 -0.97 | 60.36 2.38 -7.75 | 83.07 3.33 -14.23 | 104.46 3.99 -27.78 | 74.02 3.01 -11.46 | 70.18 2.94 -7.85 | 44.30 1.83 -0.01 | 42.38 1.79 0.00 | 47.03 1.67 0.00 | 43.29 1.36 0.00 |
| WALDENNY_12_KV_BK2 80841 | 33.63 -0.84 0.00 | 33.25 -0.79 0.00 | 33.12 -0.85 0.00 | 35.56 -0.66 0.00 | 32.50 -0.94 0.00 | 31.79 -0.94 0.00 | 32.17 -1.09 0.00 | 42.09 -1.69 0.00 | 29.73 -1.72 0.00 | 30.25 -1.67 0.00 | 30.78 -1.57 0.00 | 33.05 -1.62 0.00 | 45.91 -2.53 0.00 | 48.41 -2.80 0.00 | 52.06 -2.53 0.00 | 48.00 -2.23 0.00 | 61.54 -3.97 0.00 | 68.52 -4.18 0.00 | 56.40 -3.15 0.00 | 55.87 -3.52 0.00 | 40.44 -2.02 0.00 | 38.61 -1.98 0.00 | 43.76 -1.59 0.00 | 40.93 -0.99 0.00 |
| WALDEN___HYDRO 24148 | 35.38 0.92 0.00 | 34.91 0.87 0.00 | 34.79 0.82 0.00 | 37.10 0.87 0.00 | 34.24 0.81 0.00 | 33.56 0.82 0.00 | 34.15 0.89 0.00 | 44.96 1.19 0.00 | 32.35 0.90 0.00 | 32.86 0.94 0.00 | 33.35 1.00 0.00 | 35.84 1.18 0.00 | 50.24 1.80 0.00 | 52.98 1.78 0.00 | 56.38 1.79 0.00 | 51.89 1.66 0.00 | 67.88 2.37 0.00 | 75.38 2.69 0.00 | 61.65 2.10 0.00 | 61.46 2.08 0.00 | 43.86 1.40 0.00 | 41.82 1.23 0.00 | 46.54 1.19 0.00 | 42.94 1.01 0.00 |
| WARRENSBURG____ 23737 | 36.16 1.69 0.00 | 35.81 1.77 0.00 | 35.79 1.83 0.00 | 38.17 1.94 0.00 | 35.34 1.90 0.00 | 34.71 1.97 0.00 | 35.32 2.06 0.00 | 46.47 2.70 0.00 | 33.26 1.81 0.00 | 33.83 1.91 0.00 | 34.27 1.93 0.00 | 36.73 2.06 0.00 | 51.38 2.94 0.00 | 54.59 3.38 0.00 | 58.39 3.81 0.00 | 53.23 3.01 0.00 | 69.79 4.27 0.00 | 77.01 4.31 0.00 | 62.68 3.13 0.00 | 62.44 3.06 0.00 | 44.83 2.37 0.00 | 42.76 2.17 0.00 | 47.82 2.47 0.00 | 43.99 2.07 0.00 |
| WATERSIDE____6 8 9 23538 | 35.71 1.24 0.00 | 35.21 1.17 0.00 | 35.03 1.06 0.00 | 37.36 1.14 0.00 | 34.50 1.06 0.00 | 33.81 1.08 0.00 | 34.42 1.15 0.00 | 45.29 1.51 0.00 | 32.59 1.15 0.00 | 33.16 1.25 0.00 | 33.68 1.33 0.00 | 36.22 1.56 0.00 | 50.67 2.23 0.00 | 53.35 2.14 0.00 | 56.67 2.09 0.00 | 52.21 1.98 0.00 | 68.15 2.64 0.00 | 75.71 3.01 0.00 | 61.92 2.37 0.00 | 61.79 2.40 0.00 | 44.10 1.64 0.00 | 42.09 1.50 0.00 | 46.80 1.45 0.00 | 43.20 1.28 0.00 |
| WATKINRD_115KV_LN8_ILLION 55919 | 35.34 0.87 0.00 | 34.91 0.87 0.00 | 34.83 0.86 0.00 | 37.05 0.82 0.00 | 34.10 0.67 0.00 | 33.38 0.65 0.00 | 33.92 0.66 0.00 | 44.62 0.84 0.00 | 32.04 0.60 0.00 | 32.59 0.67 0.00 | 33.05 0.71 0.00 | 35.41 0.74 0.00 | 49.47 1.03 0.00 | 52.44 1.23 0.00 | 55.90 1.32 0.00 | 51.34 1.11 0.00 | 67.01 1.50 0.00 | 74.31 1.61 0.00 | 60.80 1.25 0.00 | 60.68 1.30 0.00 | 43.68 1.22 0.00 | 41.69 1.10 0.00 | 46.47 1.12 0.00 | 42.84 0.92 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| WDELAWARE___HYD 323627 | 34.79 0.32 0.00 | 34.31 0.27 0.00 | 34.18 0.21 0.00 | 36.44 0.22 0.00 | 33.64 0.20 0.00 | 32.97 0.23 0.00 | 33.54 0.28 0.00 | 44.19 0.42 0.00 | 31.81 0.37 0.00 | 32.33 0.42 0.00 | 32.79 0.45 0.00 | 35.25 0.59 0.00 | 49.47 1.03 0.00 | 52.19 0.98 0.00 | 55.53 0.94 0.00 | 51.13 0.91 0.00 | 66.88 1.36 0.00 | 74.29 1.59 0.00 | 60.76 1.21 0.00 | 60.55 1.17 0.00 | 43.18 0.72 0.00 | 41.16 0.56 0.00 | 45.78 0.42 0.00 | 42.18 0.26 0.00 |
| WEST BABYLON___IC 23714 | 36.24 1.77 0.00 | 35.63 1.59 0.00 | 35.45 1.48 0.00 | 37.77 1.54 0.00 | 34.90 1.46 0.00 | 34.20 1.47 0.00 | 34.70 1.44 0.00 | 45.40 1.63 0.00 | 32.68 1.23 0.00 | 33.28 1.29 -0.08 | 34.25 1.91 0.00 | 50.87 2.26 -13.94 | 54.91 3.38 -3.09 | 55.42 3.22 -0.99 | 58.00 3.16 -0.25 | 55.22 2.96 -2.04 | 75.74 3.99 -6.23 | 98.48 4.61 -21.18 | 67.56 3.65 -4.36 | 65.06 3.61 -2.07 | 44.82 2.36 0.00 | 42.77 2.17 0.00 | 47.39 2.03 0.00 | 43.63 1.71 0.00 |
| WEST CANADA___HYD 24049 | 34.47 0.00 0.00 | 34.04 0.00 0.00 | 33.97 0.00 0.00 | 36.23 0.00 0.00 | 33.44 0.00 0.00 | 32.75 0.02 0.00 | 33.27 0.01 0.00 | 43.77 0.00 0.00 | 31.45 0.00 0.00 | 31.93 0.02 0.00 | 32.35 0.01 0.00 | 34.68 0.02 0.00 | 48.49 0.05 0.00 | 51.27 0.06 0.00 | 54.67 0.09 0.00 | 50.26 0.04 0.00 | 65.58 0.07 0.00 | 72.72 0.03 0.00 | 59.50 -0.05 0.00 | 59.37 -0.01 0.00 | 42.47 0.01 0.00 | 40.59 -0.01 0.00 | 45.30 -0.06 0.00 | 41.85 -0.07 0.00 |
| WESTERN_NY_WIND 24143 | 34.13 -0.33 0.00 | 33.75 -0.29 0.00 | 33.62 -0.35 0.00 | 36.06 -0.17 0.00 | 33.06 -0.37 0.00 | 32.34 -0.39 0.00 | 32.77 -0.49 0.00 | 42.97 -0.81 0.00 | 30.42 -1.03 0.00 | 30.98 -0.93 0.00 | 31.54 -0.81 0.00 | 33.85 -0.81 0.00 | 47.13 -1.31 0.00 | 49.74 -1.47 0.00 | 53.32 -1.26 0.00 | 49.23 -0.99 0.00 | 63.28 -2.24 0.00 | 70.46 -2.24 0.00 | 57.90 -1.65 0.00 | 57.35 -2.03 0.00 | 41.39 -1.07 0.00 | 39.49 -1.10 0.00 | 44.58 -0.78 0.00 | 41.70 -0.22 0.00 |
| WESTOVER___LESR 323668 | 34.21 -0.25 0.00 | 33.75 -0.29 0.00 | 33.67 -0.30 0.00 | 35.98 -0.25 0.00 | 33.13 -0.30 0.00 | 32.43 -0.31 0.00 | 32.93 -0.33 0.00 | 43.27 -0.50 0.00 | 31.10 -0.35 0.00 | 31.60 -0.31 0.00 | 32.04 -0.30 0.00 | 34.40 -0.27 0.00 | 48.05 -0.39 0.00 | 50.68 -0.52 0.00 | 54.20 -0.38 0.00 | 49.81 -0.42 0.00 | 64.80 -0.72 0.00 | 72.00 -0.70 0.00 | 59.13 -0.42 0.00 | 58.96 -0.42 0.00 | 42.22 -0.23 0.00 | 40.24 -0.35 0.00 | 45.01 -0.34 0.00 | 41.59 -0.33 0.00 |
| WETHRSFD_WT_PWR 323626 | 33.43 -1.04 0.00 | 33.00 -1.04 0.00 | 32.84 -1.13 0.00 | 35.23 -1.00 0.00 | 32.17 -1.27 0.00 | 31.43 -1.31 0.00 | 31.75 -1.52 0.00 | 41.54 -2.24 0.00 | 29.50 -1.95 0.00 | 30.01 -1.90 0.00 | 30.54 -1.81 0.00 | 32.76 -1.91 0.00 | 45.32 -3.12 0.00 | 47.77 -3.43 0.00 | 51.84 -2.74 0.00 | 47.83 -2.39 0.00 | 61.32 -4.19 0.00 | 68.23 -4.46 0.00 | 56.24 -3.30 0.00 | 55.83 -3.56 0.00 | 40.40 -2.06 0.00 | 38.51 -2.08 0.00 | 43.66 -1.69 0.00 | 40.67 -1.25 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 35.26 0.79 0.00 | 34.79 0.75 0.00 | 34.65 0.69 0.00 | 36.95 0.73 0.00 | 34.11 0.67 0.00 | 33.42 0.69 0.00 | 34.02 0.76 0.00 | 44.79 1.02 0.00 | 32.22 0.77 0.00 | 32.74 0.83 0.00 | 33.26 0.91 0.00 | 35.76 1.09 0.00 | 50.07 1.63 0.00 | 52.75 1.54 0.00 | 56.10 1.52 0.00 | 51.66 1.44 0.00 | 67.58 2.07 0.00 | 75.03 2.33 0.00 | 61.34 1.79 0.00 | 61.16 1.78 0.00 | 43.64 1.18 0.00 | 41.63 1.03 0.00 | 46.34 0.99 0.00 | 42.78 0.86 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 35.26 0.79 0.00 | 34.79 0.75 0.00 | 34.65 0.69 0.00 | 36.95 0.73 0.00 | 34.11 0.67 0.00 | 33.42 0.69 0.00 | 34.02 0.76 0.00 | 44.79 1.02 0.00 | 32.22 0.77 0.00 | 32.74 0.83 0.00 | 33.26 0.91 0.00 | 35.76 1.09 0.00 | 50.07 1.63 0.00 | 52.75 1.54 0.00 | 56.10 1.52 0.00 | 51.66 1.44 0.00 | 67.58 2.07 0.00 | 75.03 2.33 0.00 | 61.34 1.79 0.00 | 61.16 1.78 0.00 | 43.64 1.18 0.00 | 41.63 1.03 0.00 | 46.34 0.99 0.00 | 42.78 0.86 0.00 |
| WHITEHAL_115KV_TB1 80871 | 37.00 2.53 0.00 | 36.58 2.54 0.00 | 36.63 2.66 0.00 | 39.12 2.89 0.00 | 36.19 2.75 0.00 | 35.65 2.91 0.00 | 36.33 3.07 0.00 | 47.74 3.97 0.00 | 33.84 2.39 0.00 | 34.38 2.47 0.00 | 34.88 2.53 0.00 | 37.36 2.70 0.00 | 52.38 3.94 0.00 | 56.34 5.14 0.00 | 60.44 5.85 0.00 | 54.28 4.05 0.00 | 71.82 6.31 0.00 | 78.76 6.06 0.00 | 63.67 4.12 0.00 | 63.47 4.09 0.00 | 45.64 3.18 0.00 | 43.86 3.26 0.00 | 49.23 3.87 0.00 | 45.07 3.15 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 35.70 1.23 0.00 | 35.19 1.16 0.00 | 35.03 1.07 0.00 | 37.36 1.13 0.00 | 34.50 1.06 0.00 | 33.81 1.07 0.00 | 34.41 1.14 0.00 | 45.30 1.53 0.00 | 32.59 1.14 0.00 | 33.12 1.21 0.00 | 33.65 1.30 0.00 | 36.20 1.53 0.00 | 50.72 2.28 0.00 | 53.43 2.23 0.00 | 56.83 2.24 0.00 | 52.34 2.11 0.00 | 68.45 2.94 0.00 | 76.02 3.32 0.00 | 62.15 2.60 0.00 | 61.98 2.60 0.00 | 44.21 1.76 0.00 | 42.17 1.58 0.00 | 46.91 1.55 0.00 | 43.25 1.33 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 36.16 1.69 0.00 | 35.52 1.48 0.00 | 35.33 1.36 0.00 | 37.57 1.35 0.00 | 34.78 1.34 0.00 | 34.12 1.39 0.00 | 34.58 1.32 0.00 | 45.12 1.35 0.00 | 32.55 1.10 0.00 | 33.31 1.10 -0.29 | 34.12 1.77 0.00 | 48.89 1.97 -12.25 | 54.22 3.06 -2.72 | 54.90 2.82 -0.87 | 58.13 2.63 -0.92 | 59.99 2.38 -7.38 | 82.54 3.33 -13.69 | 103.93 3.98 -27.25 | 73.56 3.02 -10.99 | 69.83 2.97 -7.48 | 44.33 1.87 -0.01 | 42.41 1.82 0.00 | 47.03 1.67 0.00 | 43.28 1.36 0.00 |
| WOODARD__115KV_TB2 355635 | 33.76 -0.71 0.00 | 33.30 -0.74 0.00 | 33.21 -0.76 0.00 | 35.43 -0.80 0.00 | 32.68 -0.75 0.00 | 32.00 -0.74 0.00 | 32.51 -0.75 0.00 | 42.73 -1.05 0.00 | 30.74 -0.70 0.00 | 31.22 -0.69 0.00 | 31.67 -0.68 0.00 | 33.93 -0.73 0.00 | 47.42 -1.02 0.00 | 50.14 -1.07 0.00 | 53.54 -1.05 0.00 | 49.27 -0.95 0.00 | 64.16 -1.35 0.00 | 71.21 -1.49 0.00 | 58.32 -1.23 0.00 | 58.12 -1.27 0.00 | 41.57 -0.89 0.00 | 39.67 -0.92 0.00 | 44.32 -1.03 0.00 | 40.93 -0.99 0.00 |
| WOODMERE_69_KV_BK1 55827 | 36.03 1.56 0.00 | 35.47 1.43 0.00 | 35.29 1.32 0.00 | 37.62 1.39 0.00 | 34.75 1.31 0.00 | 34.06 1.33 0.00 | 34.57 1.31 0.00 | 45.31 1.54 0.00 | 32.62 1.17 0.00 | 33.19 1.28 0.00 | 34.09 1.74 0.00 | 56.59 2.01 -19.91 | 55.78 2.92 -4.41 | 55.47 2.84 -1.42 | 57.38 2.80 0.00 | 52.83 2.60 0.00 | 73.67 3.53 -4.61 | 102.53 4.10 -25.73 | 65.20 3.17 -2.48 | 62.50 3.12 0.00 | 44.57 2.11 0.00 | 42.56 1.97 0.00 | 47.23 1.87 0.00 | 43.54 1.62 0.00 |
| YORK___WARBASSE 23770 | 35.82 1.35 0.00 | 35.32 1.28 0.00 | 35.18 1.21 0.00 | 37.52 1.30 0.00 | 34.63 1.19 0.00 | 33.94 1.21 0.00 | 34.55 1.29 0.00 | 45.49 1.71 0.00 | 32.73 1.28 0.00 | 33.30 1.39 0.00 | 33.83 1.48 0.00 | 36.37 1.71 0.00 | 50.93 2.49 0.00 | 53.62 2.41 0.00 | 57.00 2.41 0.00 | 52.55 2.32 0.00 | 68.61 3.09 -0.01 | 76.16 3.47 0.00 | 62.22 2.68 0.00 | 62.11 2.73 0.00 | 44.32 1.86 0.00 | 42.26 1.67 0.00 | 47.01 1.65 0.00 | 43.35 1.42 0.00 |