

Day Ahead Market Generator LBMP

| Generator Data | | --- LBMP \$ | | | | | | | | | | | | | | | --- Marginal Cost of Losses | | | | | | | | | | --- Marginal Cost of Congestion | | | | | | | | | | 10/09/2025 | | |
|----------------------|--------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|---------------------------------|--|--|--|--|--|--|--|--|--|------------|--|--|
| Name | PTID | 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 | | | | | | | | | | | | | | |
| 59TH STREET_GT_1 | 24138 | 33.65 | 29.41 | 28.41 | 27.84 | 28.88 | 33.50 | 51.31 | 59.93 | 45.81 | 33.24 | 31.22 | 29.10 | 29.68 | 30.42 | 30.60 | 32.00 | 36.74 | 51.29 | 63.92 | 63.98 | 48.58 | 43.38 | 40.52 | 36.19 | | | | | | | | | | | | | | |
| | | 1.81 | 1.37 | 1.22 | 1.17 | 1.22 | 1.38 | 2.16 | 2.85 | 2.43 | 2.00 | 1.96 | 1.93 | 1.97 | 2.04 | 1.97 | 2.12 | 2.31 | 2.54 | 2.75 | 2.58 | 1.87 | 1.91 | 1.63 | 1.26 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 74TH STREET_GT_1 | 24260 | 33.62 | 29.41 | 28.44 | 27.84 | 28.88 | 33.50 | 51.26 | 59.87 | 45.81 | 33.24 | 31.19 | 29.10 | 29.68 | 30.42 | 30.57 | 32.00 | 36.74 | 51.24 | 63.86 | 63.92 | 48.58 | 43.42 | 40.56 | 36.23 | | | | | | | | | | | | | | |
| | | 1.78 | 1.37 | 1.25 | 1.17 | 1.22 | 1.38 | 2.11 | 2.80 | 2.43 | 2.00 | 1.93 | 1.93 | 1.97 | 2.04 | 1.94 | 2.12 | 2.31 | 2.49 | 2.69 | 2.52 | 1.87 | 1.95 | 1.67 | 1.29 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 74TH STREET_GT_2 | 24261 | 33.62 | 29.41 | 28.44 | 27.84 | 28.88 | 33.50 | 51.26 | 59.87 | 45.81 | 33.24 | 31.19 | 29.10 | 29.68 | 30.42 | 30.57 | 32.00 | 36.74 | 51.24 | 63.86 | 63.92 | 48.58 | 43.42 | 40.56 | 36.23 | | | | | | | | | | | | | | |
| | | 1.78 | 1.37 | 1.25 | 1.17 | 1.22 | 1.38 | 2.11 | 2.80 | 2.43 | 2.00 | 1.93 | 1.93 | 1.97 | 2.04 | 1.94 | 2.12 | 2.31 | 2.49 | 2.69 | 2.52 | 1.87 | 1.95 | 1.67 | 1.29 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| ADK HUDSON___FALLS | 24011 | 32.82 | 28.82 | 28.03 | 27.49 | 28.55 | 33.18 | 50.92 | 59.02 | 44.60 | 31.52 | 29.85 | 27.58 | 27.94 | 28.69 | 27.36 | 29.66 | 34.81 | 50.12 | 63.18 | 63.55 | 48.25 | 42.64 | 40.01 | 35.81 | | | | | | | | | | | | | | |
| | | 0.99 | 0.78 | 0.84 | 0.83 | 0.89 | 1.06 | 1.77 | 1.94 | 1.21 | 0.28 | 0.59 | 0.41 | 0.22 | 0.31 | 0.45 | 0.71 | 0.38 | 1.37 | 2.02 | 2.15 | 1.54 | 1.16 | 1.13 | 0.87 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.63 | -0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| ADK RESOURCE___RCVRY | 23798 | 32.89 | 28.90 | 28.08 | 27.57 | 28.63 | 33.31 | 51.12 | 59.24 | 44.73 | 31.52 | 29.88 | 27.61 | 27.97 | 28.72 | 27.36 | 29.69 | 34.81 | 50.21 | 63.36 | 63.73 | 48.39 | 42.76 | 40.09 | 35.88 | | | | | | | | | | | | | | |
| | | 1.05 | 0.87 | 0.90 | 0.91 | 0.97 | 1.19 | 1.97 | 2.17 | 1.35 | 0.28 | 0.62 | 0.43 | 0.25 | 0.34 | 0.45 | 0.77 | 0.38 | 1.46 | 2.20 | 2.33 | 1.68 | 1.29 | 1.21 | 0.94 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.63 | -0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| ADK S GLENS___FALLS | 24028 | 32.82 | 28.82 | 28.03 | 27.49 | 28.55 | 33.18 | 50.92 | 59.02 | 44.60 | 31.52 | 29.85 | 27.58 | 27.94 | 28.69 | 27.36 | 29.66 | 34.81 | 50.12 | 63.18 | 63.55 | 48.25 | 42.64 | 40.01 | 35.81 | | | | | | | | | | | | | | |
| | | 0.99 | 0.78 | 0.84 | 0.83 | 0.89 | 1.06 | 1.77 | 1.94 | 1.21 | 0.28 | 0.59 | 0.41 | 0.22 | 0.31 | 0.45 | 0.71 | 0.38 | 1.37 | 2.02 | 2.15 | 1.54 | 1.16 | 1.13 | 0.87 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.63 | -0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| ADK_NYS___DAM | 23527 | 32.76 | 28.76 | 27.84 | 27.33 | 28.36 | 32.92 | 50.82 | 58.73 | 44.69 | 32.09 | 29.93 | 27.85 | 28.30 | 29.00 | 27.78 | 29.95 | 35.54 | 50.75 | 63.24 | 63.43 | 48.07 | 42.55 | 39.94 | 35.81 | | | | | | | | | | | | | | |
| | | 0.92 | 0.73 | 0.65 | 0.67 | 0.69 | 0.80 | 1.67 | 1.66 | 1.30 | 0.84 | 0.67 | 0.68 | 0.58 | 0.62 | 0.71 | 0.94 | 1.10 | 2.00 | 2.08 | 2.02 | 1.36 | 1.08 | 1.05 | 0.87 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.78 | -0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| AIR_PRODUCTS___DRP | 24190 | 31.90 | 28.00 | 27.19 | 26.66 | 27.66 | 32.05 | 49.15 | 57.08 | 43.43 | 31.18 | 29.17 | 27.09 | 27.58 | 28.26 | 26.97 | 29.09 | 34.50 | 48.90 | 61.04 | 61.28 | 46.62 | 41.35 | 38.77 | 34.83 | | | | | | | | | | | | | | |
| | | 0.06 | -0.03 | 0.00 | 0.00 | 0.00 | -0.06 | 0.00 | 0.00 | 0.04 | -0.06 | -0.09 | -0.08 | -0.14 | -0.11 | 0.00 | 0.11 | 0.07 | 0.15 | -0.12 | -0.12 | -0.09 | -0.12 | -0.12 | -0.10 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.69 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| AKWESSNE_115KV_BK | 355683 | 32.00 | 28.26 | 27.38 | 26.77 | 27.80 | 32.41 | 49.74 | 57.65 | 43.65 | 31.43 | 29.38 | 27.36 | 27.86 | 28.49 | 26.33 | 28.65 | 34.64 | 49.14 | 61.65 | 62.08 | 47.41 | 42.14 | 39.55 | 35.46 | | | | | | | | | | | | | | |
| | | 0.16 | 0.22 | 0.19 | 0.11 | 0.14 | 0.29 | 0.59 | 0.57 | 0.26 | 0.19 | 0.12 | 0.19 | 0.14 | 0.11 | 0.05 | 0.06 | 0.21 | 0.39 | 0.49 | 0.68 | 0.70 | 0.66 | 0.66 | 0.52 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 323833 | 32.60 | 28.65 | 27.81 | 27.28 | 28.30 | 32.79 | 50.28 | 58.28 | 44.04 | 31.40 | 29.41 | 27.12 | 27.58 | 28.29 | 27.10 | 29.25 | 34.78 | 49.73 | 62.39 | 62.69 | 47.69 | 42.30 | 39.62 | 35.60 | | | | | | | | | | | | | | |
| | | 0.76 | 0.62 | 0.63 | 0.61 | 0.64 | 0.68 | 1.13 | 1.20 | 0.65 | 0.16 | 0.15 | -0.05 | -0.14 | -0.08 | 0.08 | 0.26 | 0.34 | 0.97 | 1.22 | 1.29 | 0.98 | 0.83 | 0.74 | 0.66 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.74 | -0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| ALBANY_2_SOLAR | 323834 | 32.60 | 28.65 | 27.81 | 27.28 | 28.30 | 32.79 | 50.28 | 58.22 | 44.04 | 31.40 | 29.41 | 27.12 | 27.58 | 28.29 | 27.10 | 29.25 | 34.78 | 49.68 | 62.32 | 62.63 | 47.64 | 42.26 | 39.62 | 35.60 | | | | | | | | | | | | | | |
| | | 0.76 | 0.62 | 0.63 | 0.61 | 0.64 | 0.68 | 1.13 | 1.14 | 0.65 | 0.16 | 0.15 | -0.05 | -0.14 | -0.08 | 0.08 | 0.26 | 0.34 | 0.92 | 1.16 | 1.23 | 0.93 | 0.79 | 0.74 | 0.66 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.74 | -0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| ALBANY___1 | 23571 | 31.90 | 28.00 | 27.19 | 26.66 | 27.66 | 32.05 | 49.15 | 57.08 | 43.43 | 31.18 | 29.17 | 27.09 | 27.58 | 28.26 | 26.97 | 29.09 | 34.50 | 48.90 | 61.04 | 61.28 | 46.62 | 41.35 | 38.77 | 34.83 | | | | | | | | | | | | | | |
| | | 0.06 | -0.03 | 0.00 | 0.00 | 0.00 | -0.06 | 0.00 | 0.00 | 0.04 | -0.06 | -0.09 | -0.08 | -0.14 | -0.11 | 0.00 | 0.11 | 0.07 | 0.15 | -0.12 | -0.12 | -0.09 | -0.12 | -0.12 | -0.10 | | | | | | | | | | | | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.69 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ALBANY___2 23572 | 31.90 0.06 0.00 | 28.00 -0.03 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.05 -0.06 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.43 0.04 0.00 | 31.18 -0.06 0.00 | 29.17 -0.09 0.00 | 27.09 -0.08 0.00 | 27.58 -0.14 0.00 | 28.26 -0.11 0.00 | 26.97 0.00 -0.69 | 29.09 0.11 -0.38 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.04 -0.12 0.00 | 61.28 -0.12 0.00 | 46.62 -0.09 0.00 | 41.35 -0.12 0.00 | 38.77 -0.12 0.00 | 34.83 -0.10 0.00 |
| ALBANY___3 23573 | 31.90 0.06 0.00 | 28.00 -0.03 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.05 -0.06 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.43 0.04 0.00 | 31.18 -0.06 0.00 | 29.17 -0.09 0.00 | 27.09 -0.08 0.00 | 27.58 -0.14 0.00 | 28.26 -0.11 0.00 | 26.97 0.00 -0.69 | 29.09 0.11 -0.38 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.04 -0.12 0.00 | 61.28 -0.12 0.00 | 46.62 -0.09 0.00 | 41.35 -0.12 0.00 | 38.77 -0.12 0.00 | 34.83 -0.10 0.00 |
| ALBANY___4 23574 | 31.90 0.06 0.00 | 28.00 -0.03 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.05 -0.06 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.43 0.04 0.00 | 31.18 -0.06 0.00 | 29.17 -0.09 0.00 | 27.09 -0.08 0.00 | 27.58 -0.14 0.00 | 28.26 -0.11 0.00 | 26.97 0.00 -0.69 | 29.09 0.11 -0.38 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.04 -0.12 0.00 | 61.28 -0.12 0.00 | 46.62 -0.09 0.00 | 41.35 -0.12 0.00 | 38.77 -0.12 0.00 | 34.83 -0.10 0.00 |
| ALBANY___LFGE 323615 | 32.19 0.35 0.00 | 28.26 0.22 0.00 | 27.43 0.24 0.00 | 26.90 0.24 0.00 | 27.91 0.25 0.00 | 32.37 0.26 0.00 | 49.64 0.49 0.00 | 57.65 0.57 0.00 | 43.86 0.48 0.00 | 31.43 0.19 0.00 | 29.35 0.09 0.00 | 27.25 0.08 0.00 | 27.72 0.00 0.00 | 28.43 0.06 0.00 | 27.10 0.13 -0.69 | 29.24 0.29 -0.36 | 34.74 0.31 0.00 | 49.34 0.59 0.00 | 61.65 0.49 0.00 | 61.89 0.49 0.00 | 47.08 0.37 0.00 | 41.77 0.29 0.00 | 39.12 0.23 0.00 | 35.15 0.21 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 32.12 0.29 0.00 | 28.40 0.36 0.00 | 27.48 0.30 0.00 | 26.88 0.21 0.00 | 27.88 0.22 0.00 | 32.57 0.45 0.00 | 49.98 0.84 0.00 | 57.93 0.86 0.00 | 43.78 0.39 0.00 | 31.52 0.28 0.00 | 29.47 0.20 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.75 0.31 0.00 | 49.29 0.54 0.00 | 61.84 0.67 0.00 | 62.32 0.92 0.00 | 47.78 1.07 0.00 | 42.51 1.04 0.00 | 39.90 1.01 0.00 | 35.78 0.84 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 32.12 0.29 0.00 | 28.40 0.36 0.00 | 27.48 0.30 0.00 | 26.88 0.21 0.00 | 27.88 0.22 0.00 | 32.57 0.45 0.00 | 49.98 0.84 0.00 | 57.93 0.86 0.00 | 43.78 0.39 0.00 | 31.52 0.28 0.00 | 29.47 0.20 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.75 0.31 0.00 | 49.29 0.54 0.00 | 61.84 0.67 0.00 | 62.32 0.92 0.00 | 47.78 1.07 0.00 | 42.51 1.04 0.00 | 39.90 1.01 0.00 | 35.78 0.84 0.00 |
| ALCOA___DSASP 323711 | 32.12 0.29 0.00 | 28.40 0.36 0.00 | 27.48 0.30 0.00 | 26.88 0.21 0.00 | 27.88 0.22 0.00 | 32.57 0.45 0.00 | 49.98 0.83 0.00 | 57.93 0.86 0.00 | 43.77 0.39 0.00 | 31.52 0.28 0.00 | 29.47 0.21 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.74 0.31 0.00 | 49.29 0.54 0.00 | 61.84 0.67 0.00 | 62.32 0.92 0.00 | 47.78 1.08 0.00 | 42.51 1.04 0.00 | 39.89 1.01 0.00 | 35.77 0.84 0.00 |
| ALLEGHENY___COGEN 23514 | 33.56 1.72 0.00 | 29.80 1.77 0.00 | 28.93 1.74 0.00 | 28.53 1.87 0.00 | 29.49 1.83 0.00 | 34.04 1.93 0.00 | 50.92 1.77 0.00 | 59.19 2.11 0.00 | 44.81 1.43 0.00 | 32.09 0.84 0.00 | 30.20 0.94 0.00 | 27.61 0.43 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.30 0.45 0.43 | 28.39 0.03 0.24 | 34.71 0.27 0.00 | 49.44 0.68 0.00 | 64.71 3.55 0.00 | 64.78 3.37 0.00 | 48.63 1.92 0.00 | 42.68 1.20 0.00 | 40.40 1.51 0.00 | 36.86 1.92 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 32.22 0.38 0.00 | 28.31 0.28 0.00 | 27.46 0.27 0.00 | 26.93 0.27 0.00 | 27.94 0.28 0.00 | 32.37 0.26 0.00 | 49.64 0.49 0.00 | 57.65 0.57 0.00 | 43.86 0.48 0.00 | 31.55 0.31 0.00 | 29.52 0.26 0.00 | 27.44 0.27 0.00 | 27.97 0.25 0.00 | 28.66 0.28 0.00 | 27.25 0.32 -0.65 | 29.38 0.43 -0.36 | 34.88 0.45 0.00 | 49.39 0.63 0.00 | 61.65 0.49 0.00 | 61.89 0.49 0.00 | 47.08 0.37 0.00 | 41.81 0.33 0.00 | 39.16 0.27 0.00 | 35.15 0.21 0.00 |
| ALTONA_WT_PWR 323606 | 32.57 0.73 0.00 | 28.85 0.81 0.00 | 27.89 0.71 0.00 | 27.25 0.59 0.00 | 28.30 0.64 0.00 | 33.11 1.00 0.00 | 50.18 1.03 0.00 | 57.82 0.74 0.00 | 44.12 0.74 0.00 | 31.81 0.56 0.00 | 29.73 0.47 0.00 | 27.74 0.57 0.00 | 28.22 0.50 0.00 | 28.80 0.43 0.00 | 26.60 0.32 0.00 | 28.94 0.34 0.00 | 35.16 0.72 0.00 | 49.49 0.73 0.00 | 62.14 0.98 0.00 | 62.57 1.16 0.00 | 47.92 1.21 0.00 | 43.22 1.74 0.00 | 40.59 1.71 0.00 | 36.40 1.47 0.00 |
| AMERICAN_REF_FUEL 24010 | 32.06 0.22 0.00 | 28.73 0.70 0.00 | 27.89 0.71 0.00 | 27.92 1.25 0.00 | 28.36 0.69 0.00 | 32.18 0.06 0.00 | 46.59 -2.56 0.00 | 53.71 -3.37 0.00 | 41.83 -1.56 0.00 | 30.71 -0.53 0.00 | 29.29 0.03 0.00 | 26.74 -0.44 0.00 | 27.41 -0.30 0.00 | 27.98 -0.40 0.00 | 25.63 -0.26 0.39 | 27.12 -1.26 0.22 | 32.61 -1.83 0.00 | 45.53 -3.22 0.00 | 59.02 -2.14 0.00 | 58.46 -2.95 0.00 | 44.00 -2.71 0.00 | 38.65 -2.82 0.00 | 37.37 -1.52 0.00 | 34.69 -0.24 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 32.92 1.08 0.00 | 29.38 1.35 0.00 | 28.52 1.33 0.00 | 28.21 1.55 0.00 | 29.10 1.44 0.00 | 33.31 1.19 0.00 | 48.66 -0.49 0.00 | 56.22 -0.85 0.00 | 43.60 0.22 0.00 | 31.96 0.72 0.00 | 30.40 1.14 0.00 | 27.85 0.68 0.00 | 28.60 0.89 0.00 | 29.17 0.79 0.00 | 26.70 0.84 0.43 | 28.16 -0.20 0.24 | 34.16 -0.28 0.00 | 47.83 -0.93 0.00 | 62.20 1.04 0.00 | 61.59 0.18 0.00 | 46.10 -0.61 0.00 | 40.31 -1.16 0.00 | 38.69 -0.19 0.00 | 35.64 0.70 0.00 |
| ARTHUR KILL_GT_1 23520 | 33.88 2.04 -0.01 | 29.67 1.63 -0.01 | 28.69 1.50 -0.01 | 28.11 1.44 -0.01 | 29.14 1.47 -0.01 | 33.80 1.67 -0.01 | 51.36 2.21 0.00 | 60.21 3.14 0.00 | 46.08 2.69 0.00 | 33.22 1.97 -0.01 | 31.08 1.81 -0.01 | 28.97 1.79 -0.01 | 29.55 1.83 -0.01 | 30.29 1.90 -0.01 | 30.45 1.81 -2.36 | 31.89 2.00 -1.29 | 36.72 2.27 -0.01 | 50.61 1.85 0.00 | 63.06 1.90 0.00 | 63.06 1.66 0.00 | 48.02 1.31 0.00 | 42.97 1.49 0.00 | 40.48 1.59 0.00 | 36.45 1.50 -0.01 |
| ARTHUR_KILL_2 23512 | 33.79 1.94 -0.01 | 29.58 1.54 -0.01 | 28.61 1.41 -0.01 | 28.03 1.36 -0.01 | 29.08 1.41 -0.01 | 33.73 1.61 -0.01 | 51.21 2.06 0.00 | 60.04 2.97 0.00 | 45.99 2.60 0.00 | 33.16 1.91 -0.01 | 31.02 1.76 -0.01 | 28.89 1.71 -0.01 | 29.47 1.75 -0.01 | 30.20 1.82 -0.01 | 30.37 1.73 -2.36 | 31.81 1.92 -1.29 | 36.61 2.17 -0.01 | 50.41 1.66 0.00 | 62.82 1.65 0.00 | 62.82 1.41 0.00 | 47.83 1.12 0.00 | 43.09 1.62 0.00 | 40.21 1.32 0.00 | 36.34 1.40 -0.01 |
| ARTHUR_KILL_3 23513 | 33.27 1.43 0.00 | 29.10 1.06 0.00 | 28.11 0.92 0.00 | 27.54 0.88 0.00 | 28.57 0.91 0.00 | 33.18 1.06 0.00 | 50.71 1.57 0.01 | 59.18 2.11 0.01 | 45.28 1.91 0.01 | 32.90 1.65 0.00 | 30.90 1.64 0.00 | 28.86 1.69 0.00 | 29.41 1.69 0.00 | 30.14 1.76 0.00 | 30.34 1.71 -2.35 | 31.72 1.83 -1.29 | 36.40 1.96 0.00 | 50.60 1.85 0.01 | 63.06 1.90 0.00 | 63.11 1.72 0.01 | 47.96 1.26 0.01 | 42.92 1.45 0.01 | 40.01 1.13 0.01 | 35.81 0.87 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| ARTHUR_KILL_COGEN 323718 | 33.88 2.04 -0.01 | 29.67 1.63 -0.01 | 28.66 1.47 -0.01 | 28.11 1.44 -0.01 | 29.14 1.47 -0.01 | 33.83 1.70 -0.01 | 51.36 2.21 0.00 | 60.21 3.14 0.00 | 46.12 2.73 0.00 | 33.22 1.97 -0.01 | 31.08 1.81 -0.01 | 28.97 1.79 -0.01 | 29.55 1.83 -0.01 | 30.29 1.90 -0.01 | 30.45 1.81 -2.36 | 31.89 2.00 -1.29 | 36.72 2.27 -0.01 | 50.61 1.85 0.00 | 63.06 1.90 0.00 | 63.00 1.59 0.00 | 48.02 1.31 0.00 | 43.22 1.74 0.00 | 40.32 1.44 0.00 | 36.45 1.50 -0.01 |
| ASHOKAN____ 23654 | 33.05 1.21 0.00 | 28.96 0.92 0.00 | 28.08 0.90 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.08 0.96 0.00 | 50.87 1.72 0.00 | 59.02 1.94 0.00 | 44.60 1.21 0.00 | 31.83 0.59 0.00 | 29.49 0.23 0.00 | 27.44 0.27 0.00 | 28.08 0.36 0.00 | 28.86 0.48 0.00 | 28.81 1.37 -1.16 | 30.83 1.60 -0.63 | 35.30 0.86 0.00 | 50.27 1.51 0.00 | 63.12 1.96 0.00 | 63.61 2.21 0.00 | 48.25 1.54 0.00 | 42.92 1.45 0.00 | 40.01 1.13 0.00 | 35.98 1.05 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 33.50 1.65 -0.01 | 29.36 1.32 -0.01 | 28.36 1.17 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 51.02 1.87 0.00 | 59.65 2.57 0.00 | 45.68 2.30 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.60 1.85 0.01 | 62.99 1.83 0.01 | 62.99 1.59 0.01 | 48.06 1.36 0.01 | 43.22 1.74 0.00 | 40.40 1.51 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 33.50 1.65 -0.01 | 29.33 1.29 -0.01 | 28.36 1.17 -0.01 | 27.79 1.12 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.65 2.57 0.00 | 45.68 2.30 0.00 | 33.03 1.78 -0.01 | 31.04 1.79 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.27 1.90 0.01 | 30.46 1.84 -2.34 | 31.85 1.97 -1.28 | 36.56 2.14 0.01 | 50.55 1.80 0.01 | 62.93 1.77 0.01 | 62.99 1.59 0.01 | 48.01 1.31 0.01 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.06 1.12 -0.01 |
| ASTORIA_GT2_1 24094 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT2_2 24095 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT2_3 24096 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT2_4 24097 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT3_1 24098 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT3_2 24099 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT3_3 24100 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT3_4 24101 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT4_1 24102 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT4_2 24103 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT4_3 24104 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |

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|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ASTORIA_GT4_4 24105 | 33.50 1.66 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.64 2.57 0.00 | 45.64 2.26 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.61 1.85 0.00 | 63.00 1.83 0.00 | 63.00 1.60 0.00 | 48.06 1.35 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.10 1.15 -0.01 |
| ASTORIA_GT_1 23523 | 33.56 1.72 -0.01 | 29.39 1.35 -0.01 | 28.42 1.22 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.47 1.35 -0.01 | 51.07 1.92 0.00 | 59.76 2.68 0.00 | 45.73 2.34 0.00 | 33.09 1.84 -0.01 | 31.13 1.87 0.01 | 29.04 1.87 0.01 | 29.59 1.88 0.01 | 30.35 1.99 0.01 | 30.51 1.89 -2.34 | 31.93 2.06 -1.28 | 36.67 2.24 0.01 | 50.70 1.95 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 48.16 1.45 0.00 | 43.26 1.78 0.00 | 40.52 1.63 0.00 | 36.17 1.22 -0.01 |
| ASTORIA_GT_10 24110 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.44 1.25 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.51 1.38 -0.01 | 50.92 1.77 0.00 | 59.53 2.45 0.00 | 45.68 2.30 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.06 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.20 1.26 -0.01 |
| ASTORIA_GT_11 24225 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.44 1.25 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.51 1.38 -0.01 | 50.92 1.77 0.00 | 59.53 2.45 0.00 | 45.68 2.30 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.06 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.20 1.26 -0.01 |
| ASTORIA_GT_12 24226 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.44 1.25 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.51 1.38 -0.01 | 50.92 1.77 0.00 | 59.53 2.45 0.00 | 45.68 2.30 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.06 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.20 1.26 -0.01 |
| ASTORIA_GT_13 24227 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.44 1.25 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.51 1.38 -0.01 | 50.92 1.77 0.00 | 59.53 2.45 0.00 | 45.68 2.30 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.06 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.20 1.26 -0.01 |
| ASTORIA_GT_5 24106 | 33.56 1.72 -0.01 | 29.39 1.35 -0.01 | 28.42 1.22 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.47 1.35 -0.01 | 51.07 1.92 0.00 | 59.76 2.68 0.00 | 45.73 2.34 0.00 | 33.09 1.84 -0.01 | 31.13 1.87 0.01 | 29.04 1.87 0.01 | 29.59 1.88 0.01 | 30.35 1.99 0.01 | 30.51 1.89 -2.34 | 31.93 2.06 -1.28 | 36.67 2.24 0.01 | 50.70 1.95 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 48.16 1.45 0.00 | 43.26 1.78 0.00 | 40.52 1.63 0.00 | 36.17 1.22 -0.01 |
| ASTORIA_GT_7 24107 | 33.56 1.72 -0.01 | 29.39 1.35 -0.01 | 28.42 1.22 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.47 1.35 -0.01 | 51.07 1.92 0.00 | 59.76 2.68 0.00 | 45.73 2.34 0.00 | 33.09 1.84 -0.01 | 31.13 1.87 0.01 | 29.04 1.87 0.01 | 29.59 1.88 0.01 | 30.35 1.99 0.01 | 30.51 1.89 -2.34 | 31.93 2.06 -1.28 | 36.67 2.24 0.01 | 50.70 1.95 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 48.16 1.45 0.00 | 43.26 1.78 0.00 | 40.52 1.63 0.00 | 36.17 1.22 -0.01 |
| ASTORIA_GT_8 24108 | 33.56 1.72 -0.01 | 29.39 1.35 -0.01 | 28.42 1.22 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.47 1.35 -0.01 | 51.07 1.92 0.00 | 59.76 2.68 0.00 | 45.73 2.34 0.00 | 33.09 1.84 -0.01 | 31.13 1.87 0.01 | 29.04 1.87 0.01 | 29.59 1.88 0.01 | 30.35 1.99 0.01 | 30.51 1.89 -2.34 | 31.93 2.06 -1.28 | 36.67 2.24 0.01 | 50.70 1.95 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 48.16 1.45 0.00 | 43.26 1.78 0.00 | 40.52 1.63 0.00 | 36.17 1.22 -0.01 |
| ASTORIA___2 24149 | 33.50 1.65 -0.01 | 29.36 1.32 -0.01 | 28.36 1.17 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 51.02 1.87 0.00 | 59.65 2.57 0.00 | 45.68 2.30 0.00 | 33.03 1.78 -0.01 | 31.07 1.81 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.30 1.93 0.01 | 30.46 1.84 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.01 | 50.60 1.85 0.01 | 62.99 1.83 0.01 | 62.99 1.59 0.01 | 48.06 1.36 0.01 | 43.22 1.74 0.00 | 40.40 1.51 0.00 | 36.10 1.15 -0.01 |
| ASTORIA___3 23516 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.84 1.17 -0.01 | 28.89 1.22 -0.01 | 33.54 1.41 -0.01 | 50.97 1.82 0.00 | 59.58 2.51 0.00 | 45.73 2.34 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.05 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.26 1.78 0.00 | 40.40 1.51 0.00 | 36.20 1.26 -0.01 |
| ASTORIA___4 23517 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.44 1.25 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.51 1.38 -0.01 | 50.92 1.77 0.00 | 59.53 2.45 0.00 | 45.68 2.30 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.06 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.20 1.26 -0.01 |
| ASTORIA___5 23518 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.84 1.17 -0.01 | 28.89 1.22 -0.01 | 33.54 1.41 -0.01 | 50.97 1.82 0.00 | 59.58 2.51 0.00 | 45.73 2.34 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.05 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.26 1.78 0.00 | 40.40 1.51 0.00 | 36.20 1.26 -0.01 |
| AST_ENERGY_2_CC3 323677 | 25.51 1.34 7.66 | 25.51 1.01 3.53 | 25.51 0.90 2.57 | 25.51 0.85 2.01 | 25.51 0.86 3.01 | 25.51 1.00 7.60 | 28.24 1.33 22.24 | 37.31 2.00 21.76 | 28.24 1.86 17.01 | 25.51 1.47 7.20 | 26.26 1.49 4.49 | 26.26 1.52 2.43 | 26.26 1.55 3.01 | 26.26 1.62 3.73 | 26.26 1.58 1.60 | 26.26 1.72 4.05 | 26.26 1.82 10.00 | 29.61 1.36 20.51 | 43.44 1.16 18.88 | 44.55 0.98 17.84 | 29.32 0.89 18.27 | 26.76 1.33 16.04 | 26.59 1.09 13.39 | 26.26 0.77 9.44 |
| AST_ENERGY_2_CC4 323678 | 25.51 1.34 7.66 | 25.51 1.01 3.53 | 25.51 0.90 2.57 | 25.51 0.85 2.01 | 25.51 0.86 3.01 | 25.51 1.00 7.60 | 28.24 1.33 22.24 | 37.31 2.00 21.76 | 28.24 1.86 17.01 | 25.51 1.47 7.20 | 26.26 1.49 4.49 | 26.26 1.52 2.43 | 26.26 1.55 3.01 | 26.26 1.62 3.73 | 26.26 1.58 1.60 | 26.26 1.72 4.05 | 26.26 1.82 10.00 | 29.61 1.36 20.51 | 43.44 1.16 18.88 | 44.55 0.98 17.84 | 29.32 0.89 18.27 | 26.76 1.33 16.04 | 26.59 1.09 13.39 | 26.26 0.77 9.44 |

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| ATHENS_STG_1 23668 | 32.60 0.76 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.66 0.55 0.00 | 50.03 0.89 0.00 | 58.16 1.08 0.00 | 44.42 1.04 0.00 | 32.12 0.87 0.00 | 30.05 0.79 0.00 | 27.99 0.81 0.00 | 28.52 0.80 0.00 | 29.23 0.85 0.00 | 28.22 0.84 -1.10 | 30.14 0.94 -0.60 | 35.50 1.07 0.00 | 49.92 1.17 0.00 | 62.20 1.04 0.00 | 62.38 0.98 0.00 | 47.45 0.75 0.00 | 42.22 0.75 0.00 | 39.47 0.58 0.00 | 35.39 0.45 0.00 |
| ATHENS_STG_2 23670 | 32.60 0.76 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.66 0.55 0.00 | 50.03 0.89 0.00 | 58.16 1.08 0.00 | 44.42 1.04 0.00 | 32.12 0.87 0.00 | 30.05 0.79 0.00 | 27.99 0.81 0.00 | 28.52 0.80 0.00 | 29.23 0.85 0.00 | 28.22 0.84 -1.10 | 30.14 0.94 -0.60 | 35.50 1.07 0.00 | 49.92 1.17 0.00 | 62.20 1.04 0.00 | 62.38 0.98 0.00 | 47.45 0.75 0.00 | 42.22 0.75 0.00 | 39.47 0.58 0.00 | 35.39 0.45 0.00 |
| ATHENS_STG_3 23677 | 32.60 0.76 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.66 0.55 0.00 | 50.03 0.89 0.00 | 58.16 1.08 0.00 | 44.42 1.04 0.00 | 32.12 0.87 0.00 | 30.05 0.79 0.00 | 27.99 0.81 0.00 | 28.52 0.80 0.00 | 29.23 0.85 0.00 | 28.22 0.84 -1.10 | 30.14 0.94 -0.60 | 35.50 1.07 0.00 | 49.92 1.17 0.00 | 62.20 1.04 0.00 | 62.38 0.98 0.00 | 47.45 0.75 0.00 | 42.22 0.75 0.00 | 39.47 0.58 0.00 | 35.39 0.45 0.00 |
| AUBURN___LFGE 323710 | 31.96 0.13 0.00 | 28.17 0.14 0.00 | 27.32 0.14 0.00 | 26.82 0.16 0.00 | 27.80 0.14 0.00 | 32.28 0.16 0.00 | 49.10 -0.05 0.00 | 57.19 0.11 0.00 | 43.47 0.09 0.00 | 31.30 0.06 0.00 | 29.35 0.09 0.00 | 27.15 -0.03 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.26 -0.03 0.00 | 28.45 -0.14 0.00 | 34.23 -0.21 0.00 | 48.51 -0.24 0.00 | 61.59 0.43 0.00 | 61.77 0.37 0.00 | 46.76 0.05 0.00 | 41.35 -0.12 0.00 | 38.77 -0.12 0.00 | 34.97 0.03 0.00 |
| BABYLON_RES_REC 323704 | 33.11 1.27 0.00 | 28.73 0.70 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.04 0.39 0.01 | 32.53 0.42 0.01 | 47.39 0.54 2.30 | 48.75 0.86 9.18 | 44.64 1.26 0.01 | 32.16 1.00 0.09 | 30.40 1.14 0.00 | 28.40 1.22 0.00 | 29.07 1.36 0.00 | 29.96 1.59 0.00 | 30.07 1.44 -2.34 | 31.77 1.89 -1.28 | 36.43 2.00 0.00 | 50.06 1.32 0.01 | 62.44 1.29 0.01 | 63.12 1.72 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.49 0.56 0.00 |
| BALL_HILL_WT_PWR 323825 | 32.73 0.89 0.00 | 29.21 1.18 0.00 | 28.33 1.14 0.00 | 28.02 1.36 0.00 | 28.85 1.19 0.00 | 32.95 0.83 0.00 | 48.07 -1.08 0.00 | 55.54 -1.54 0.00 | 43.08 -0.30 0.00 | 31.55 0.31 0.00 | 29.99 0.73 0.00 | 27.44 0.27 0.00 | 28.16 0.44 0.00 | 28.72 0.34 0.00 | 26.29 0.42 0.42 | 27.79 -0.57 0.23 | 33.64 -0.79 0.00 | 47.10 -1.66 0.00 | 61.23 0.06 0.00 | 60.60 -0.80 0.00 | 45.49 -1.21 0.00 | 39.86 -1.62 0.00 | 38.34 -0.54 0.00 | 35.43 0.49 0.00 |
| BARON_WINDS___WT_PWR 323822 | 32.38 0.54 0.00 | 28.76 0.73 0.00 | 27.92 0.73 0.00 | 27.57 0.91 0.00 | 28.47 0.80 0.00 | 32.79 0.68 0.00 | 48.71 -0.44 0.00 | 56.50 -0.57 0.00 | 43.17 -0.22 0.00 | 31.24 0.00 0.00 | 29.52 0.26 0.00 | 27.12 -0.05 0.00 | 27.77 0.06 0.00 | 28.38 0.00 0.00 | 25.75 0.00 0.54 | 27.73 -0.57 0.30 | 33.68 -0.76 0.00 | 47.63 -1.12 0.00 | 61.65 0.49 0.00 | 61.34 -0.06 0.00 | 46.20 -0.51 0.00 | 40.64 -0.83 0.00 | 38.57 -0.31 0.00 | 35.29 0.35 0.00 |
| BARRETT_IC_1 23704 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_10 23701 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_11 23702 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_12 23703 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_2 23705 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_3 23706 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_4 23707 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_5 23708 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |

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| BARRETT_IC_6 23709 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_7 23710 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.81 0.63 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.59 0.48 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.59 1.21 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.08 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.45 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.37 0.01 | 62.50 1.35 0.01 | 63.06 1.66 0.00 | 47.64 0.93 0.00 | 42.88 1.41 0.00 | 39.93 1.05 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_8 23711 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT_IC_9 23700 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT___1 23545 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BARRETT___2 23546 | 33.08 1.24 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 49.78 0.74 0.11 | 57.74 1.08 0.42 | 44.72 1.35 0.01 | 32.23 1.00 0.01 | 30.46 1.20 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.36 1.93 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.00 1.59 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.53 0.59 0.00 |
| BATAVIA__115KV_TB1 55881 | 32.95 1.11 0.00 | 29.60 1.57 0.00 | 28.68 1.50 0.00 | 28.16 1.49 0.00 | 28.99 1.33 0.00 | 33.18 1.06 0.00 | 48.71 -0.44 0.00 | 56.33 -0.74 0.00 | 43.69 0.30 0.00 | 31.77 0.53 0.00 | 30.14 0.88 0.00 | 27.58 0.41 0.00 | 28.30 0.58 0.00 | 28.89 0.51 0.00 | 26.47 0.55 0.36 | 28.03 -0.37 0.20 | 33.88 -0.55 0.00 | 47.53 -1.22 0.00 | 61.84 0.67 0.00 | 61.34 -0.06 0.00 | 46.15 -0.56 0.00 | 40.48 -1.00 0.00 | 38.61 -0.27 0.00 | 35.74 0.80 0.00 |
| BAYONEEC___CTG1 323682 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG10 323750 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG2 323683 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG3 323684 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG4 323685 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG5 323686 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG6 323687 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG7 323688 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BAYONEEC___CTG8 323689 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BAYONEEC___CTG9 323749 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.49 1.78 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.95 -1.29 | 36.54 2.10 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BEACON___LESR 323632 | 32.35 0.51 0.00 | 28.40 0.36 0.00 | 27.54 0.35 0.00 | 27.01 0.35 0.00 | 28.05 0.39 0.00 | 32.53 0.42 0.00 | 49.93 0.78 0.00 | 57.99 0.91 0.00 | 44.08 0.69 0.00 | 31.52 0.28 0.00 | 29.44 0.18 0.00 | 27.31 0.14 0.00 | 27.77 0.06 0.00 | 28.46 0.09 0.00 | 27.19 0.21 -0.70 | 29.34 0.37 -0.37 | 34.88 0.45 0.00 | 49.63 0.88 0.00 | 62.08 0.92 0.00 | 62.26 0.86 0.00 | 47.36 0.65 0.00 | 41.97 0.50 0.00 | 39.31 0.43 0.00 | 35.32 0.39 0.00 |
| BEAVER RIVER___HYD 24048 | 32.16 0.32 0.00 | 28.40 0.36 0.00 | 27.62 0.43 0.00 | 26.85 0.19 0.00 | 28.00 0.33 0.00 | 32.79 0.68 0.00 | 50.48 1.33 0.00 | 58.67 1.60 0.00 | 43.95 0.56 0.00 | 31.37 0.13 0.00 | 29.23 -0.03 0.00 | 27.12 -0.05 0.00 | 27.88 0.17 0.00 | 28.52 0.14 0.00 | 26.23 -0.05 0.00 | 28.71 0.11 0.00 | 34.64 0.21 0.00 | 49.73 0.97 0.00 | 62.82 1.65 0.00 | 63.55 2.15 0.00 | 48.48 1.77 0.00 | 43.13 1.66 0.00 | 40.40 1.51 0.00 | 36.09 1.15 0.00 |
| BEEBEE_GT_13 23619 | 32.41 0.57 0.00 | 28.73 0.70 0.00 | 27.86 0.68 0.00 | 27.46 0.80 0.00 | 28.35 0.69 0.00 | 32.63 0.51 0.00 | 48.56 -0.59 0.00 | 56.33 -0.74 0.00 | 43.47 0.09 0.00 | 31.52 0.28 0.00 | 29.82 0.56 0.00 | 27.39 0.22 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.60 0.32 0.00 | 28.34 -0.26 0.00 | 34.06 -0.38 0.00 | 47.88 -0.88 0.00 | 61.65 0.49 0.00 | 61.34 -0.06 0.00 | 46.29 -0.42 0.00 | 40.77 -0.71 0.00 | 38.57 -0.31 0.00 | 35.32 0.38 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 33.82 1.97 -0.01 | 29.58 1.54 -0.01 | 28.61 1.41 -0.01 | 28.03 1.36 -0.01 | 29.05 1.38 -0.01 | 33.70 1.57 -0.01 | 51.31 2.16 0.00 | 60.10 3.03 0.00 | 46.03 2.65 0.00 | 33.31 2.06 -0.01 | 31.23 1.96 -0.01 | 29.14 1.96 -0.01 | 29.72 2.00 -0.01 | 30.46 2.07 -0.01 | 30.61 1.97 -2.36 | 32.04 2.14 -1.29 | 36.85 2.41 -0.01 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.55 2.15 0.00 | 48.44 1.73 0.00 | 43.34 1.87 0.00 | 40.63 1.75 0.00 | 36.45 1.50 -0.01 |
| BETHLEHEM___GRP 23843 | 31.90 0.06 0.00 | 28.00 -0.03 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.05 -0.06 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.43 0.04 0.00 | 31.18 -0.06 0.00 | 29.17 -0.09 0.00 | 27.09 -0.08 0.00 | 27.58 -0.14 0.00 | 28.26 -0.11 0.00 | 26.97 0.00 -0.69 | 29.09 0.11 -0.38 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.04 -0.12 0.00 | 61.28 -0.12 0.00 | 46.62 -0.09 0.00 | 41.35 -0.12 0.00 | 38.77 -0.12 0.00 | 34.83 -0.10 0.00 |
| BETHLEHEM___GS1 323560 | 31.90 0.06 0.00 | 28.00 -0.03 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.05 -0.06 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.47 0.09 0.00 | 31.18 -0.06 0.00 | 29.17 -0.09 0.00 | 27.09 -0.08 0.00 | 27.58 -0.14 0.00 | 28.26 -0.11 0.00 | 26.97 0.00 -0.69 | 29.08 0.11 -0.37 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.04 -0.12 0.00 | 61.28 -0.12 0.00 | 46.62 -0.09 0.00 | 41.35 -0.12 0.00 | 38.73 -0.15 0.00 | 34.80 -0.14 0.00 |
| BETHLEHEM___GS2 323561 | 31.90 0.06 0.00 | 28.00 -0.03 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.05 -0.06 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.47 0.09 0.00 | 31.18 -0.06 0.00 | 29.17 -0.09 0.00 | 27.09 -0.08 0.00 | 27.58 -0.14 0.00 | 28.26 -0.11 0.00 | 26.97 0.00 -0.69 | 29.08 0.11 -0.37 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.04 -0.12 0.00 | 61.28 -0.12 0.00 | 46.62 -0.09 0.00 | 41.35 -0.12 0.00 | 38.73 -0.15 0.00 | 34.80 -0.14 0.00 |
| BETHLEHEM___GS3 323562 | 31.90 0.06 0.00 | 28.00 -0.03 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.05 -0.06 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.47 0.09 0.00 | 31.18 -0.06 0.00 | 29.17 -0.09 0.00 | 27.09 -0.08 0.00 | 27.58 -0.14 0.00 | 28.26 -0.11 0.00 | 26.97 0.00 -0.69 | 29.08 0.11 -0.37 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.04 -0.12 0.00 | 61.28 -0.12 0.00 | 46.62 -0.09 0.00 | 41.35 -0.12 0.00 | 38.73 -0.15 0.00 | 34.80 -0.14 0.00 |
| BETHLEHEM___STEEL 23779 | 32.70 0.86 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 28.00 1.33 0.00 | 28.80 1.13 0.00 | 32.92 0.80 0.00 | 47.92 -1.23 0.00 | 55.14 -1.94 0.00 | 42.99 -0.39 0.00 | 31.46 0.22 0.00 | 29.93 0.67 0.00 | 27.36 0.19 0.00 | 28.08 0.36 0.00 | 28.66 0.28 0.00 | 26.24 0.37 0.41 | 27.74 -0.63 0.23 | 33.51 -0.93 0.00 | 46.90 -1.85 0.00 | 60.92 -0.24 0.00 | 60.17 -1.23 0.00 | 45.31 -1.40 0.00 | 39.73 -1.74 0.00 | 38.03 -0.86 0.00 | 35.36 0.42 0.00 |
| BETHLHEM_115KV_TB1 79974 | 32.00 0.16 0.00 | 28.09 0.06 0.00 | 27.27 0.08 0.00 | 26.72 0.05 0.00 | 27.75 0.08 0.00 | 32.15 0.03 0.00 | 49.25 0.10 0.00 | 57.25 0.17 0.00 | 43.56 0.17 0.00 | 31.27 0.03 0.00 | 29.26 0.00 0.00 | 27.17 0.00 0.00 | 27.66 -0.06 0.00 | 28.38 0.00 0.00 | 27.05 0.08 -0.69 | 29.17 0.20 -0.38 | 34.61 0.17 0.00 | 49.00 0.24 0.00 | 61.23 0.06 0.00 | 61.46 0.06 0.00 | 46.71 0.00 0.00 | 41.47 0.00 0.00 | 38.88 0.00 0.00 | 34.90 -0.03 0.00 |
| BETHPAGE_CC_5 323564 | 33.02 1.18 0.00 | 28.70 0.67 0.00 | 27.70 0.52 0.00 | 27.17 0.51 0.00 | 28.04 0.39 0.01 | 32.43 0.32 0.01 | 47.44 0.39 2.10 | 49.43 0.74 8.39 | 44.46 1.09 0.01 | 32.07 0.87 0.05 | 30.34 1.08 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.68 1.80 -1.28 | 36.29 1.86 0.00 | 49.87 1.12 0.01 | 62.20 1.04 0.01 | 62.75 1.35 0.00 | 47.41 0.70 0.00 | 42.55 1.08 0.00 | 39.70 0.82 0.00 | 35.46 0.52 0.00 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 32.70 0.86 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 27.97 1.31 0.00 | 28.80 1.13 0.00 | 32.92 0.80 0.00 | 48.02 -1.13 0.00 | 55.19 -1.88 0.00 | 43.04 -0.35 0.00 | 31.49 0.25 0.00 | 29.96 0.70 0.00 | 27.39 0.22 0.00 | 28.11 0.39 0.00 | 28.69 0.31 0.00 | 26.26 0.39 0.42 | 27.77 -0.60 0.23 | 33.57 -0.86 0.00 | 47.00 -1.76 0.00 | 61.04 -0.12 0.00 | 60.30 -1.11 0.00 | 45.40 -1.31 0.00 | 39.77 -1.70 0.00 | 38.07 -0.82 0.00 | 35.36 0.42 0.00 |
| BINGHAMTON___COGEN 23790 | 32.25 0.41 0.00 | 28.45 0.42 0.00 | 27.59 0.41 0.00 | 27.12 0.45 0.00 | 28.08 0.41 0.00 | 32.50 0.39 0.00 | 49.25 0.10 0.00 | 57.36 0.29 0.00 | 43.73 0.35 0.00 | 31.55 0.31 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.77 0.24 0.75 | 28.19 0.00 0.41 | 34.40 -0.03 0.00 | 48.61 -0.15 0.00 | 61.65 0.49 0.00 | 61.65 0.25 0.00 | 46.71 0.00 0.00 | 41.35 -0.12 0.00 | 38.85 -0.04 0.00 | 35.15 0.21 0.00 |

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|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|
| BIXINCNT_115KV_LOAD 355685 | 32.51 0.67 0.00 | 29.10 1.07 0.00 | 28.22 1.03 0.00 | 27.92 1.25 0.00 | 28.71 1.05 0.00 | 32.92 0.80 0.00 | 48.17 -0.98 0.00 | 55.48 -1.60 0.00 | 43.21 -0.17 0.00 | 31.59 0.34 0.00 | 29.99 0.73 0.00 | 27.44 0.27 0.00 | 28.22 0.50 0.00 | 28.77 0.40 0.00 | 26.32 0.47 0.43 | 27.82 -0.54 0.24 | 33.78 -0.65 0.00 | 47.29 -1.46 0.00 | 61.47 0.31 0.00 | 60.67 -0.74 0.00 | 45.64 -1.07 0.00 | 39.94 -1.53 0.00 | 38.15 -0.74 0.00 | 35.32 0.38 0.00 |
| BLACK RIVER___HYD 24047 | 32.54 0.70 0.00 | 28.76 0.73 0.00 | 27.97 0.79 0.00 | 27.20 0.53 0.00 | 28.36 0.69 0.00 | 33.24 1.12 0.00 | 51.21 2.06 0.00 | 59.65 2.57 0.00 | 44.56 1.17 0.00 | 31.65 0.41 0.00 | 29.44 0.18 0.00 | 27.17 0.00 0.00 | 27.97 0.25 0.00 | 28.60 0.23 0.00 | 26.23 -0.05 0.00 | 28.74 0.14 0.00 | 34.71 0.27 0.00 | 50.02 1.27 0.00 | 63.49 2.32 0.00 | 64.29 2.89 0.00 | 48.95 2.24 0.00 | 43.46 1.99 0.00 | 40.67 1.79 0.00 | 36.34 1.40 0.00 |
| BLACKRVR_115KV_TB2 79977 | 32.54 0.70 0.00 | 28.76 0.73 0.00 | 27.97 0.79 0.00 | 27.20 0.53 0.00 | 28.35 0.69 0.00 | 33.24 1.12 0.00 | 51.21 2.06 0.00 | 59.64 2.57 0.00 | 44.56 1.17 0.00 | 31.65 0.41 0.00 | 29.44 0.18 0.00 | 27.17 0.00 0.00 | 27.97 0.25 0.00 | 28.60 0.23 0.00 | 26.23 -0.05 0.00 | 28.74 0.14 0.00 | 34.71 0.28 0.00 | 50.02 1.27 0.00 | 63.49 2.32 0.00 | 64.29 2.89 0.00 | 48.95 2.24 0.00 | 43.46 1.99 0.00 | 40.67 1.79 0.00 | 36.33 1.40 0.00 |
| BLDWN_LI_69_KV_BK4 356085 | 33.24 1.40 0.00 | 28.87 0.84 0.00 | 27.92 0.73 0.00 | 27.33 0.67 0.00 | 28.24 0.58 0.01 | 32.69 0.58 0.01 | 48.81 0.93 1.28 | 53.34 1.37 5.10 | 44.72 1.34 0.01 | 32.36 1.12 0.01 | 30.55 1.29 0.00 | 28.56 1.39 0.00 | 29.21 1.50 0.00 | 30.08 1.70 0.00 | 30.20 1.58 -2.34 | 31.82 1.94 -1.28 | 36.54 2.10 0.00 | 50.36 1.61 0.01 | 62.87 1.71 0.01 | 63.43 2.03 0.00 | 47.92 1.21 0.00 | 43.09 1.62 0.00 | 40.09 1.21 0.00 | 35.71 0.77 0.00 |
| BLISS_WT_PWR 323608 | 32.44 0.60 0.00 | 29.01 0.98 0.00 | 28.19 1.01 0.00 | 27.94 1.28 0.00 | 28.71 1.05 0.00 | 32.92 0.80 0.00 | 48.17 -0.98 0.00 | 55.77 -1.31 0.00 | 43.21 -0.17 0.00 | 31.59 0.34 0.00 | 29.99 0.73 0.00 | 27.44 0.27 0.00 | 28.22 0.50 0.00 | 28.80 0.43 0.00 | 26.35 0.50 0.43 | 27.84 -0.51 0.24 | 33.82 -0.62 0.00 | 47.29 -1.46 0.00 | 61.47 0.31 0.00 | 60.85 -0.55 0.00 | 45.64 -1.07 0.00 | 39.90 -1.58 0.00 | 38.34 -0.54 0.00 | 35.39 0.45 0.00 |
| BLUESTONE___WT_PWR 323821 | 33.08 1.24 0.00 | 29.21 1.18 0.00 | 28.38 1.19 0.00 | 27.78 1.12 0.00 | 28.85 1.19 0.00 | 33.60 1.48 0.00 | 51.36 2.21 0.00 | 60.73 3.66 0.00 | 45.68 2.30 0.00 | 32.52 1.28 0.00 | 30.28 1.02 0.00 | 27.85 0.68 0.00 | 28.69 0.97 0.00 | 29.34 0.97 0.00 | 26.26 0.68 0.70 | 28.77 0.63 0.46 | 35.26 0.83 0.00 | 50.65 1.90 0.00 | 64.40 3.24 0.00 | 64.78 3.37 0.00 | 49.04 2.33 0.00 | 43.42 1.95 0.00 | 40.67 1.79 0.00 | 36.58 1.64 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 27.12 0.45 0.00 | 28.13 0.47 0.00 | 32.60 0.48 0.00 | 49.98 0.84 0.00 | 57.93 0.86 0.00 | 43.91 0.52 0.00 | 31.43 0.19 0.00 | 29.44 0.18 0.00 | 27.23 0.05 0.00 | 27.72 0.00 0.00 | 28.40 0.03 0.00 | 27.17 0.16 -0.73 | 29.28 0.29 -0.40 | 34.78 0.34 0.00 | 49.53 0.78 0.00 | 62.02 0.86 0.00 | 62.26 0.86 0.00 | 47.36 0.65 0.00 | 42.05 0.58 0.00 | 39.43 0.54 0.00 | 35.39 0.45 0.00 |
| BOC_GAS_DRP 24189 | 32.19 0.35 0.00 | 28.28 0.25 0.00 | 27.46 0.27 0.00 | 26.93 0.27 0.00 | 27.91 0.25 0.00 | 32.34 0.22 0.00 | 49.59 0.44 0.00 | 57.59 0.51 0.00 | 43.82 0.43 0.00 | 31.55 0.31 0.00 | 29.52 0.26 0.00 | 27.44 0.27 0.00 | 27.97 0.25 0.00 | 28.66 0.28 0.00 | 27.25 0.32 -0.65 | 29.35 0.40 -0.36 | 34.88 0.45 0.00 | 49.34 0.59 0.00 | 61.59 0.43 0.00 | 61.83 0.43 0.00 | 47.04 0.33 0.00 | 41.76 0.29 0.00 | 39.16 0.27 0.00 | 35.15 0.21 0.00 |
| BOONVILLE_115KV_TB1 79983 | 32.31 0.48 0.00 | 28.48 0.45 0.00 | 27.70 0.52 0.00 | 27.04 0.37 0.00 | 28.13 0.47 0.00 | 32.82 0.71 0.00 | 50.43 1.28 0.00 | 58.67 1.60 0.00 | 44.21 0.82 0.00 | 31.62 0.37 0.00 | 29.49 0.23 0.00 | 27.34 0.16 0.00 | 28.08 0.36 0.00 | 28.72 0.34 0.00 | 26.49 0.21 0.00 | 28.94 0.34 0.00 | 34.88 0.45 0.00 | 49.83 1.07 0.00 | 62.82 1.65 0.00 | 63.31 1.90 0.00 | 48.16 1.45 0.00 | 42.76 1.29 0.00 | 40.05 1.17 0.00 | 35.88 0.94 0.00 |
| BORALEX_4TH_BRANCH 23824 | 32.76 0.92 0.00 | 28.76 0.73 0.00 | 27.84 0.65 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 32.89 0.77 0.00 | 50.82 1.67 0.00 | 58.73 1.66 0.00 | 44.64 1.26 0.00 | 32.09 0.84 0.00 | 29.93 0.67 0.00 | 27.85 0.68 0.00 | 28.30 0.58 0.00 | 29.00 0.62 0.00 | 27.78 0.71 -0.78 | 29.97 0.94 -0.43 | 35.54 1.10 0.00 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.49 2.09 0.00 | 48.06 1.35 0.00 | 42.55 1.08 0.00 | 39.97 1.09 0.00 | 35.81 0.87 0.00 |
| BOWLINE___1 23526 | 33.08 1.24 0.00 | 28.99 0.95 0.00 | 28.00 0.81 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.58 1.43 0.00 | 58.96 1.88 0.00 | 45.03 1.65 0.00 | 32.58 1.34 0.00 | 30.58 1.32 0.00 | 28.50 1.33 0.00 | 29.07 1.36 0.00 | 29.79 1.42 0.00 | 30.55 1.37 -2.90 | 31.64 1.46 -1.59 | 36.05 1.62 0.00 | 50.51 1.75 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 47.97 1.26 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.70 0.77 0.00 |
| BOWLINE___2 23595 | 33.08 1.24 0.00 | 28.99 0.95 0.00 | 28.00 0.81 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.52 1.37 0.00 | 58.96 1.88 0.00 | 45.03 1.65 0.00 | 32.58 1.34 0.00 | 30.58 1.32 0.00 | 28.50 1.33 0.00 | 29.07 1.36 0.00 | 29.79 1.42 0.00 | 30.54 1.37 -2.89 | 31.64 1.46 -1.59 | 36.05 1.62 0.00 | 50.51 1.75 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 47.97 1.26 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.70 0.77 0.00 |
| BRADY___115KV_TB2 356060 | 32.41 0.57 0.00 | 28.71 0.67 0.00 | 27.78 0.60 0.00 | 27.12 0.45 0.00 | 28.19 0.53 0.00 | 32.95 0.84 0.00 | 50.72 1.57 0.00 | 58.73 1.66 0.00 | 44.17 0.78 0.00 | 31.65 0.41 0.00 | 29.52 0.26 0.00 | 27.50 0.33 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.41 0.13 0.00 | 28.80 0.20 0.00 | 34.88 0.45 0.00 | 49.73 0.98 0.00 | 62.51 1.35 0.00 | 63.12 1.72 0.00 | 48.44 1.73 0.00 | 43.09 1.62 0.00 | 40.48 1.59 0.00 | 36.19 1.26 0.00 |
| BRANSCOMB___SOLAR 323811 | 32.79 0.95 0.00 | 28.79 0.76 0.00 | 27.95 0.76 0.00 | 27.44 0.77 0.00 | 28.47 0.80 0.00 | 33.05 0.93 0.00 | 50.77 1.62 0.00 | 58.85 1.77 0.00 | 44.56 1.17 0.00 | 31.62 0.38 0.00 | 29.64 0.38 0.00 | 27.44 0.27 0.00 | 27.88 0.17 0.00 | 28.60 0.23 0.00 | 27.28 0.34 -0.65 | 29.50 0.57 -0.33 | 34.92 0.48 0.00 | 50.07 1.32 0.00 | 63.00 1.83 0.00 | 63.31 1.91 0.00 | 48.11 1.40 0.00 | 42.59 1.12 0.00 | 39.94 1.05 0.00 | 35.77 0.84 0.00 |
| BRDGHMPT_69_KV_BK1 55812 | 33.14 1.31 0.00 | 28.68 0.64 0.00 | 27.76 0.57 0.00 | 27.20 0.53 0.00 | 27.96 0.30 0.01 | 32.32 0.26 0.05 | 47.09 0.64 2.70 | 47.41 1.08 10.75 | 44.55 1.17 0.01 | 30.50 1.00 1.74 | 30.40 1.14 0.00 | 28.34 1.17 0.00 | 29.02 1.30 0.00 | 29.97 1.59 0.00 | 30.07 1.45 -2.34 | 31.85 1.97 -1.28 | 36.54 2.10 0.00 | 50.35 1.61 0.01 | 62.81 1.65 0.01 | 63.67 2.27 0.00 | 47.97 1.26 0.00 | 43.17 1.70 0.00 | 40.05 1.17 0.00 | 35.46 0.52 0.00 |

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| BRENTWOD_69_KV_W. BRTWOOD 56703 | 33.17 1.34 0.00 | 28.76 0.73 0.00 | 27.84 0.65 0.00 | 27.25 0.59 0.00 | 28.10 0.44 0.01 | 32.56 0.45 0.01 | 46.74 0.20 2.60 | 47.23 0.51 10.36 | 44.59 1.21 0.01 | 32.31 1.25 0.18 | 30.43 1.17 0.00 | 28.40 1.22 0.00 | 29.08 1.36 0.00 | 29.99 1.62 0.00 | 30.10 1.47 -2.34 | 31.82 1.94 -1.28 | 36.50 2.07 0.00 | 50.11 1.37 0.01 | 62.50 1.35 0.01 | 63.24 1.84 0.00 | 47.69 0.98 0.00 | 43.01 1.53 0.00 | 40.05 1.17 0.00 | 35.57 0.63 0.00 |
| BRISTLHL_115KV_TB1 79998 | 31.36 -0.48 0.00 | 27.61 -0.42 0.00 | 26.78 -0.41 0.00 | 26.29 -0.37 0.00 | 27.25 -0.41 0.00 | 31.64 -0.48 0.00 | 48.36 -0.79 0.00 | 56.22 -0.86 0.00 | 42.73 -0.65 0.00 | 30.77 -0.47 0.00 | 28.82 -0.44 0.00 | 26.71 -0.46 0.00 | 27.30 -0.42 0.00 | 27.92 -0.45 0.00 | 25.84 -0.45 0.00 | 28.11 -0.49 0.00 | 33.82 -0.62 0.00 | 47.88 -0.88 0.00 | 60.31 -0.86 0.00 | 60.54 -0.86 0.00 | 45.92 -0.79 0.00 | 40.73 -0.75 0.00 | 38.15 -0.74 0.00 | 34.34 -0.59 0.00 |
| BROOKHAVEN___DRP 24191 | 32.60 0.76 0.00 | 28.26 0.22 0.00 | 27.35 0.16 0.00 | 26.80 0.13 0.00 | 27.54 -0.11 0.01 | 31.88 -0.19 0.05 | 46.30 -0.15 2.70 | 46.43 0.11 10.76 | 43.85 0.48 0.01 | 30.06 0.56 1.74 | 29.96 0.70 0.00 | 27.96 0.79 0.00 | 28.63 0.91 0.00 | 29.54 1.16 0.00 | 29.68 1.05 -2.34 | 31.40 1.52 -1.28 | 35.95 1.52 0.00 | 49.38 0.63 0.01 | 61.58 0.43 0.01 | 62.32 0.92 0.00 | 47.08 0.37 0.00 | 42.43 0.95 0.00 | 39.43 0.54 0.00 | 34.94 0.00 0.00 |
| BROOKLYN_NAVY_YARD 23515 | 33.40 1.56 0.00 | 29.21 1.18 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.34 1.22 0.00 | 50.92 1.77 0.00 | 59.47 2.40 0.00 | 45.55 2.17 0.00 | 33.05 1.81 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.46 1.75 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.50 2.07 0.00 | 50.85 2.09 0.00 | 63.36 2.20 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 35.98 1.05 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| BROOME_2_LFGE 323671 | 32.25 0.41 0.00 | 28.45 0.42 0.00 | 27.59 0.41 0.00 | 27.12 0.45 0.00 | 28.10 0.44 0.00 | 32.50 0.39 0.00 | 49.25 0.10 0.00 | 57.42 0.34 0.00 | 43.73 0.35 0.00 | 31.55 0.31 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.25 0.00 | 25.77 0.24 0.75 | 28.17 0.00 0.42 | 34.40 -0.03 0.00 | 48.61 -0.15 0.00 | 61.65 0.49 0.00 | 61.71 0.31 0.00 | 46.71 0.00 0.00 | 41.35 -0.12 0.00 | 38.88 0.00 0.00 | 35.15 0.21 0.00 |
| BROOME___LFGE 323600 | 32.25 0.41 0.00 | 28.45 0.42 0.00 | 27.59 0.41 0.00 | 27.12 0.45 0.00 | 28.10 0.44 0.00 | 32.50 0.39 0.00 | 49.25 0.10 0.00 | 57.42 0.34 0.00 | 43.73 0.35 0.00 | 31.55 0.31 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.25 0.00 | 25.77 0.24 0.75 | 28.17 0.00 0.42 | 34.40 -0.03 0.00 | 48.61 -0.15 0.00 | 61.65 0.49 0.00 | 61.71 0.31 0.00 | 46.71 0.00 0.00 | 41.35 -0.12 0.00 | 38.88 0.00 0.00 | 35.15 0.21 0.00 |
| BROWNFLS_115KV_TB 3_5 80003 | 32.19 0.35 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 26.90 0.24 0.00 | 28.02 0.36 0.00 | 32.82 0.71 0.00 | 50.48 1.33 0.00 | 58.62 1.54 0.00 | 43.95 0.56 0.00 | 31.43 0.19 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.91 0.19 0.00 | 28.55 0.17 0.00 | 26.26 -0.03 0.00 | 28.68 0.09 0.00 | 34.64 0.21 0.00 | 49.48 0.73 0.00 | 62.39 1.22 0.00 | 63.06 1.66 0.00 | 48.30 1.59 0.00 | 43.09 1.62 0.00 | 40.40 1.52 0.00 | 36.12 1.19 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 33.68 1.85 0.00 | 29.46 1.43 0.00 | 28.46 1.28 0.00 | 27.89 1.23 0.00 | 28.91 1.24 0.00 | 33.56 1.45 0.00 | 51.36 2.21 0.00 | 59.99 2.91 0.00 | 45.86 2.47 0.00 | 33.30 2.06 0.00 | 31.25 1.99 0.00 | 29.16 1.98 0.00 | 29.74 2.02 0.00 | 30.48 2.10 0.00 | 30.66 2.02 -2.35 | 32.06 2.17 -1.29 | 36.81 2.38 0.00 | 51.34 2.58 0.00 | 63.98 2.81 0.00 | 64.04 2.64 0.00 | 48.67 1.96 0.00 | 43.51 2.03 0.00 | 40.60 1.71 0.00 | 36.26 1.33 0.00 |
| BURROWS___LYONSDAL 23803 | 32.22 0.38 0.00 | 28.42 0.39 0.00 | 27.65 0.46 0.00 | 26.93 0.27 0.00 | 28.05 0.39 0.00 | 32.79 0.67 0.00 | 50.38 1.23 0.00 | 58.62 1.54 0.00 | 44.08 0.69 0.00 | 31.52 0.28 0.00 | 29.41 0.15 0.00 | 27.25 0.08 0.00 | 28.05 0.33 0.00 | 28.69 0.31 0.00 | 26.44 0.16 0.00 | 28.88 0.29 0.00 | 34.85 0.41 0.00 | 49.83 1.07 0.00 | 62.82 1.65 0.00 | 63.37 1.96 0.00 | 48.25 1.54 0.00 | 42.84 1.37 0.00 | 40.13 1.24 0.00 | 35.92 0.98 0.00 |
| CAITHNESS_CC_1 323624 | 32.60 0.76 0.00 | 28.26 0.22 0.00 | 27.27 0.08 0.00 | 26.80 0.13 0.00 | 27.55 -0.11 0.01 | 31.91 -0.16 0.05 | 46.30 -0.15 2.70 | 46.43 0.11 10.76 | 43.98 0.61 0.01 | 30.09 0.59 1.74 | 29.96 0.70 0.00 | 27.99 0.81 0.00 | 28.66 0.94 0.00 | 29.57 1.19 0.00 | 29.70 1.08 -2.34 | 31.39 1.51 -1.28 | 35.95 1.51 0.00 | 49.38 0.63 0.01 | 61.53 0.37 0.01 | 62.26 0.86 0.00 | 47.04 0.33 0.00 | 42.22 0.75 0.00 | 39.39 0.50 0.00 | 34.94 0.00 0.00 |
| CALPINE BETH_PAGE_GT4 24209 | 33.05 1.21 0.00 | 28.71 0.67 0.00 | 27.76 0.57 0.00 | 27.20 0.53 0.00 | 28.07 0.41 0.01 | 32.40 0.29 0.01 | 47.66 0.39 1.89 | 50.29 0.74 7.53 | 44.29 0.91 0.01 | 32.08 0.84 0.01 | 30.31 1.05 0.00 | 28.42 1.25 0.00 | 29.08 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.45 -2.34 | 31.71 1.83 -1.28 | 36.33 1.89 0.00 | 49.82 1.07 0.01 | 62.14 0.98 0.01 | 62.75 1.35 0.00 | 47.36 0.65 0.00 | 42.68 1.20 0.00 | 39.74 0.86 0.00 | 35.46 0.52 0.00 |
| CALPINE_BETH_PAGE_GT_4 323586 | 33.05 1.21 0.00 | 28.70 0.67 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.04 0.39 0.01 | 32.40 0.29 0.01 | 47.65 0.39 1.89 | 50.28 0.74 7.53 | 44.42 1.04 0.01 | 32.08 0.84 0.01 | 30.31 1.05 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.71 1.83 -1.28 | 36.33 1.89 0.00 | 49.82 1.07 0.01 | 62.13 0.98 0.01 | 62.75 1.35 0.00 | 47.36 0.65 0.00 | 42.51 1.04 0.00 | 39.66 0.78 0.00 | 35.46 0.52 0.00 |
| CALPINE_BP_GT1 23823 | 33.05 1.21 0.00 | 28.70 0.67 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.04 0.39 0.01 | 32.40 0.29 0.01 | 47.65 0.39 1.89 | 50.28 0.74 7.53 | 44.42 1.04 0.01 | 32.08 0.84 0.01 | 30.31 1.05 0.00 | 28.42 1.25 0.00 | 29.07 1.36 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.71 1.83 -1.28 | 36.33 1.89 0.00 | 49.82 1.07 0.01 | 62.13 0.98 0.01 | 62.75 1.35 0.00 | 47.36 0.65 0.00 | 42.51 1.04 0.00 | 39.66 0.78 0.00 | 35.46 0.52 0.00 |
| CALSPAN___DRP 24200 | 32.70 0.86 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 28.00 1.33 0.00 | 28.80 1.13 0.00 | 32.92 0.80 0.00 | 47.92 -1.23 0.00 | 55.14 -1.94 0.00 | 42.99 -0.39 0.00 | 31.46 0.22 0.00 | 29.93 0.67 0.00 | 27.36 0.19 0.00 | 28.08 0.36 0.00 | 28.66 0.28 0.00 | 26.24 0.37 0.41 | 27.74 -0.63 0.23 | 33.51 -0.93 0.00 | 46.90 -1.85 0.00 | 60.92 -0.24 0.00 | 60.17 -1.23 0.00 | 45.31 -1.40 0.00 | 39.73 -1.74 0.00 | 38.03 -0.86 0.00 | 35.36 0.42 0.00 |

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| CALVERTON___SOLAR 323806 | 32.66 0.83 0.00 | 28.28 0.25 0.00 | 27.29 0.11 0.00 | 26.83 0.16 0.00 | 27.57 -0.08 0.01 | 31.94 -0.13 0.05 | 46.35 -0.10 2.70 | 46.50 0.17 10.75 | 44.03 0.65 0.01 | 30.06 0.56 1.74 | 29.96 0.70 0.00 | 27.96 0.79 0.00 | 28.63 0.91 0.00 | 29.54 1.16 0.00 | 29.70 1.08 -2.34 | 31.39 1.51 -1.28 | 35.99 1.55 0.00 | 49.48 0.73 0.01 | 61.71 0.55 0.01 | 62.44 1.04 0.00 | 47.13 0.42 0.00 | 42.30 0.83 0.00 | 39.43 0.54 0.00 | 34.97 0.03 0.00 |
| CANDIGU_WT_PWR 323617 | 32.38 0.54 0.00 | 28.76 0.73 0.00 | 27.92 0.73 0.00 | 27.57 0.91 0.00 | 28.47 0.80 0.00 | 32.79 0.68 0.00 | 48.71 -0.44 0.00 | 56.50 -0.57 0.00 | 43.17 -0.22 0.00 | 31.24 0.00 0.00 | 29.52 0.26 0.00 | 27.12 -0.05 0.00 | 27.77 0.06 0.00 | 28.38 0.00 0.00 | 25.75 0.00 0.54 | 27.73 -0.57 0.30 | 33.68 -0.76 0.00 | 47.63 -1.12 0.00 | 61.65 0.49 0.00 | 61.34 -0.06 0.00 | 46.20 -0.51 0.00 | 40.64 -0.83 0.00 | 38.57 -0.31 0.00 | 35.29 0.35 0.00 |
| CARR STREET_E_SYR 24060 | 31.55 -0.29 0.00 | 27.78 -0.25 0.00 | 26.97 -0.22 0.00 | 26.45 -0.21 0.00 | 27.44 -0.22 0.00 | 31.77 -0.35 0.00 | 48.51 -0.64 0.00 | 56.39 -0.68 0.00 | 42.87 -0.52 0.00 | 30.96 -0.28 0.00 | 29.03 -0.24 0.00 | 26.90 -0.27 0.00 | 27.47 -0.25 0.00 | 28.12 -0.26 0.00 | 26.02 -0.26 0.00 | 28.28 -0.31 0.00 | 34.02 -0.41 0.00 | 47.97 -0.78 0.00 | 60.49 -0.67 0.00 | 60.67 -0.73 0.00 | 46.01 -0.70 0.00 | 40.81 -0.67 0.00 | 38.34 -0.54 0.00 | 34.52 -0.42 0.00 |
| CARTHAGE___PAPER 23857 | 32.35 0.51 0.00 | 28.56 0.53 0.00 | 27.78 0.60 0.00 | 27.01 0.35 0.00 | 28.16 0.50 0.00 | 33.02 0.90 0.00 | 50.87 1.72 0.00 | 59.19 2.11 0.00 | 44.25 0.87 0.00 | 31.52 0.28 0.00 | 29.32 0.06 0.00 | 27.15 -0.03 0.00 | 27.91 0.20 0.00 | 28.55 0.17 0.00 | 26.23 -0.05 0.00 | 28.71 0.11 0.00 | 34.71 0.27 0.00 | 49.92 1.17 0.00 | 63.18 2.02 0.00 | 63.98 2.58 0.00 | 48.76 2.05 0.00 | 43.38 1.91 0.00 | 40.59 1.71 0.00 | 36.23 1.29 0.00 |
| CASSADAGA_WT_PWR 323784 | 32.95 1.11 0.00 | 29.43 1.40 0.00 | 28.57 1.39 0.00 | 28.29 1.63 0.00 | 29.18 1.52 0.00 | 33.44 1.32 0.00 | 48.95 -0.20 0.00 | 56.62 -0.46 0.00 | 43.82 0.43 0.00 | 32.15 0.91 0.00 | 30.52 1.26 0.00 | 27.99 0.81 0.00 | 28.71 1.00 0.00 | 29.31 0.94 0.00 | 26.83 0.97 0.43 | 28.24 -0.11 0.24 | 34.33 -0.10 0.00 | 48.12 -0.64 0.00 | 62.63 1.47 0.00 | 62.08 0.68 0.00 | 46.39 -0.32 0.00 | 40.56 -0.91 0.00 | 38.88 0.00 0.00 | 35.74 0.80 0.00 |
| CE_DUNWOOD___DRP 24194 | 33.24 1.40 0.00 | 29.10 1.07 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.15 1.03 0.00 | 50.82 1.67 0.00 | 59.19 2.11 0.00 | 45.25 1.87 0.00 | 32.77 1.53 0.00 | 30.75 1.49 0.00 | 28.67 1.49 0.00 | 29.24 1.52 0.00 | 29.97 1.59 0.00 | 30.23 1.55 -2.40 | 31.57 1.66 -1.31 | 36.26 1.83 0.00 | 50.75 2.00 0.00 | 63.37 2.20 0.00 | 63.43 2.03 0.00 | 48.16 1.45 0.00 | 42.97 1.49 0.00 | 40.13 1.24 0.00 | 35.88 0.94 0.00 |
| CE_MILLWOOD___DRP 24193 | 33.17 1.34 0.00 | 29.07 1.04 0.00 | 28.11 0.92 0.00 | 27.54 0.88 0.00 | 28.58 0.91 0.00 | 33.11 1.00 0.00 | 50.72 1.57 0.00 | 59.13 2.05 0.00 | 45.16 1.78 0.00 | 32.71 1.47 0.00 | 30.67 1.40 0.00 | 28.59 1.41 0.00 | 29.16 1.44 0.00 | 29.91 1.53 0.00 | 30.22 1.47 -2.46 | 31.52 1.57 -1.35 | 36.16 1.72 0.00 | 50.70 1.95 0.00 | 63.30 2.14 0.00 | 63.37 1.96 0.00 | 48.11 1.40 0.00 | 42.93 1.45 0.00 | 40.09 1.21 0.00 | 35.85 0.91 0.00 |
| CE_NYC2_DRP 24202 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.44 1.25 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.51 1.38 -0.01 | 50.97 1.82 0.00 | 59.59 2.51 0.00 | 45.73 2.34 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.06 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.56 1.92 -2.36 | 31.95 2.06 -1.29 | 36.72 2.27 -0.01 | 50.80 2.05 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.25 1.54 0.00 | 43.26 1.78 0.00 | 40.48 1.59 0.00 | 36.20 1.26 -0.01 |
| CE_NYC_DRP 24195 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.07 1.92 0.00 | 59.59 2.51 0.00 | 45.55 2.17 0.00 | 33.09 1.84 0.00 | 31.05 1.78 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.47 1.84 -2.35 | 31.86 1.97 -1.29 | 36.57 2.13 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| CHAFFEE___LFGE 323603 | 32.70 0.86 0.00 | 29.21 1.18 0.00 | 28.35 1.17 0.00 | 28.02 1.36 0.00 | 28.85 1.19 0.00 | 32.95 0.83 0.00 | 48.11 -1.03 0.00 | 55.54 -1.54 0.00 | 43.13 -0.26 0.00 | 31.55 0.31 0.00 | 29.99 0.73 0.00 | 27.42 0.24 0.00 | 28.13 0.42 0.00 | 28.72 0.34 0.00 | 26.28 0.42 0.42 | 27.76 -0.60 0.24 | 33.58 -0.86 0.00 | 47.00 -1.75 0.00 | 61.04 -0.12 0.00 | 60.54 -0.86 0.00 | 45.45 -1.26 0.00 | 39.77 -1.70 0.00 | 38.30 -0.58 0.00 | 35.43 0.49 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 32.12 0.29 0.00 | 28.42 0.39 0.00 | 27.51 0.33 0.00 | 26.90 0.24 0.00 | 27.94 0.28 0.00 | 32.63 0.51 0.00 | 49.98 0.84 0.00 | 57.82 0.74 0.00 | 43.82 0.43 0.00 | 31.55 0.31 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 26.39 0.11 0.00 | 28.74 0.14 0.00 | 34.85 0.41 0.00 | 49.34 0.59 0.00 | 61.90 0.73 0.00 | 62.38 0.98 0.00 | 47.64 0.93 0.00 | 42.55 1.08 0.00 | 39.90 1.01 0.00 | 35.78 0.84 0.00 |
| CHATEAUG_WT_PWR 323614 | 32.09 0.25 0.00 | 28.37 0.34 0.00 | 27.46 0.27 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.57 0.45 0.00 | 49.79 0.64 0.00 | 57.59 0.51 0.00 | 43.73 0.35 0.00 | 31.49 0.25 0.00 | 29.44 0.18 0.00 | 27.44 0.27 0.00 | 27.91 0.20 0.00 | 28.55 0.17 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.78 0.34 0.00 | 49.14 0.39 0.00 | 61.71 0.55 0.00 | 62.08 0.68 0.00 | 47.45 0.75 0.00 | 42.39 0.91 0.00 | 39.78 0.90 0.00 | 35.67 0.73 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 32.12 0.29 0.00 | 28.42 0.39 0.00 | 27.51 0.33 0.00 | 26.90 0.24 0.00 | 27.94 0.28 0.00 | 32.63 0.51 0.00 | 49.98 0.84 0.00 | 57.82 0.74 0.00 | 43.82 0.43 0.00 | 31.55 0.31 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 26.39 0.11 0.00 | 28.74 0.14 0.00 | 34.85 0.41 0.00 | 49.34 0.59 0.00 | 61.90 0.73 0.00 | 62.38 0.98 0.00 | 47.64 0.93 0.00 | 42.55 1.08 0.00 | 39.90 1.01 0.00 | 35.78 0.84 0.00 |
| CHAUTAUQUA___LFGE 323629 | 32.92 1.08 0.00 | 29.41 1.37 0.00 | 28.52 1.33 0.00 | 28.21 1.55 0.00 | 29.07 1.41 0.00 | 33.24 1.12 0.00 | 48.56 -0.59 0.00 | 56.16 -0.92 0.00 | 43.52 0.13 0.00 | 31.90 0.66 0.00 | 30.31 1.05 0.00 | 27.74 0.57 0.00 | 28.47 0.75 0.00 | 29.03 0.65 0.00 | 26.57 0.71 0.42 | 28.05 -0.31 0.24 | 34.02 -0.41 0.00 | 47.68 -1.07 0.00 | 61.96 0.79 0.00 | 61.40 0.00 0.00 | 46.01 -0.70 0.00 | 40.27 -1.20 0.00 | 38.65 -0.23 0.00 | 35.67 0.73 0.00 |
| CHERRYST_13_KV_LD 356241 | 33.56 1.72 0.00 | 29.38 1.35 0.00 | 28.38 1.20 0.00 | 27.81 1.15 0.00 | 28.83 1.16 0.00 | 33.47 1.35 0.00 | 51.21 2.06 0.00 | 59.76 2.68 0.00 | 45.73 2.34 0.00 | 33.18 1.94 0.00 | 31.16 1.90 0.00 | 29.07 1.90 0.00 | 29.63 1.91 0.00 | 30.39 2.01 0.00 | 30.55 1.92 -2.35 | 31.97 2.09 -1.29 | 36.71 2.27 0.00 | 51.19 2.44 0.00 | 63.73 2.57 0.00 | 63.80 2.39 0.00 | 48.48 1.77 0.00 | 43.30 1.82 0.00 | 40.44 1.56 0.00 | 36.12 1.19 0.00 |

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| CHESTROR_138KV_BK263 355645 | 32.92 1.08 0.00 | 28.87 0.84 0.00 | 27.92 0.73 0.00 | 27.36 0.69 0.00 | 28.38 0.72 0.00 | 32.89 0.77 0.00 | 50.38 1.23 0.00 | 58.67 1.60 0.00 | 44.77 1.39 0.00 | 32.37 1.12 0.00 | 30.34 1.08 0.00 | 28.26 1.09 0.00 | 28.85 1.14 0.00 | 29.57 1.19 0.00 | 39.04 1.16 -11.60 | 36.18 1.23 -6.35 | 35.78 1.34 0.00 | 50.26 1.51 0.00 | 62.88 1.71 0.00 | 62.94 1.54 0.00 | 47.78 1.07 0.00 | 42.59 1.12 0.00 | 39.78 0.89 0.00 | 35.60 0.66 0.00 |
| CH_MIDHUDSON___DRP 24192 | 33.11 1.27 0.00 | 29.01 0.98 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.55 0.89 0.00 | 33.08 0.96 0.00 | 50.77 1.62 0.00 | 59.07 2.00 0.00 | 45.08 1.69 0.00 | 32.55 1.31 0.00 | 30.46 1.20 0.00 | 28.37 1.20 0.00 | 28.96 1.25 0.00 | 29.71 1.33 0.00 | 29.85 1.29 -2.28 | 31.28 1.43 -1.25 | 36.02 1.58 0.00 | 50.70 1.95 0.00 | 63.30 2.14 0.00 | 63.43 2.03 0.00 | 48.16 1.45 0.00 | 42.88 1.41 0.00 | 40.05 1.17 0.00 | 35.88 0.94 0.00 |
| CH_MISC_IPPS 23765 | 33.27 1.43 0.00 | 29.15 1.12 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.27 1.15 0.00 | 51.06 1.91 0.00 | 59.42 2.34 0.00 | 45.34 1.95 0.00 | 32.71 1.47 0.00 | 30.55 1.29 0.00 | 28.48 1.30 0.00 | 29.10 1.39 0.00 | 29.85 1.47 0.00 | 30.46 1.42 -2.76 | 31.65 1.54 -1.51 | 36.16 1.72 0.00 | 50.90 2.14 0.00 | 63.67 2.51 0.00 | 63.79 2.39 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.21 1.32 0.00 | 36.02 1.08 0.00 |
| CH_RES_BVR_FALLS 23983 | 31.46 -0.38 0.00 | 27.75 -0.28 0.00 | 26.94 -0.25 0.00 | 26.42 -0.24 0.00 | 27.44 -0.22 0.00 | 31.93 -0.19 0.00 | 48.95 -0.20 0.00 | 56.85 -0.23 0.00 | 43.21 -0.17 0.00 | 31.15 -0.09 0.00 | 29.17 -0.09 0.00 | 27.12 -0.05 0.00 | 27.69 -0.03 0.00 | 28.35 -0.03 0.00 | 26.26 -0.03 0.00 | 28.57 -0.03 0.00 | 34.47 0.03 0.00 | 48.85 0.10 0.00 | 61.23 0.06 0.00 | 61.52 0.12 0.00 | 46.90 0.19 0.00 | 41.64 0.17 0.00 | 39.04 0.16 0.00 | 35.04 0.11 0.00 |
| CH_RES_NIAGARA 23895 | 32.57 0.73 0.00 | 28.65 0.62 0.00 | 27.76 0.57 0.00 | 27.89 1.23 0.00 | 28.69 1.02 0.00 | 32.44 0.32 0.00 | 46.35 -2.80 0.00 | 53.19 -3.88 0.00 | 41.65 -1.74 0.00 | 30.59 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.04 -1.34 0.21 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.66 -2.51 0.00 | 57.96 -3.44 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 36.98 -1.91 0.00 | 34.94 0.00 0.00 |
| CH_RES_SYRACUSE 23985 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.10 -0.08 0.00 | 26.61 -0.05 0.00 | 27.58 -0.08 0.00 | 32.02 -0.10 0.00 | 48.90 -0.24 0.00 | 56.90 -0.17 0.00 | 43.21 -0.17 0.00 | 31.12 -0.12 0.00 | 29.17 -0.09 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.24 -0.14 0.00 | 26.13 -0.16 0.00 | 28.40 -0.20 0.00 | 34.16 -0.28 0.00 | 48.31 -0.44 0.00 | 60.98 -0.18 0.00 | 61.22 -0.18 0.00 | 46.43 -0.28 0.00 | 41.14 -0.33 0.00 | 38.57 -0.31 0.00 | 34.73 -0.21 0.00 |
| CLINTON_WT_PWR 323605 | 32.09 0.25 0.00 | 28.37 0.34 0.00 | 27.46 0.27 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.57 0.45 0.00 | 49.79 0.64 0.00 | 57.59 0.51 0.00 | 43.73 0.35 0.00 | 31.49 0.25 0.00 | 29.44 0.18 0.00 | 27.44 0.27 0.00 | 27.91 0.20 0.00 | 28.55 0.17 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.78 0.34 0.00 | 49.14 0.39 0.00 | 61.71 0.55 0.00 | 62.08 0.68 0.00 | 47.45 0.75 0.00 | 42.39 0.91 0.00 | 39.78 0.90 0.00 | 35.67 0.73 0.00 |
| CLINTON___LFGE 323618 | 32.66 0.83 0.00 | 28.96 0.92 0.00 | 28.00 0.81 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.58 1.43 0.00 | 58.28 1.20 0.00 | 44.30 0.91 0.00 | 31.93 0.69 0.00 | 29.82 0.55 0.00 | 27.82 0.65 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.65 0.37 0.00 | 29.00 0.40 0.00 | 35.26 0.83 0.00 | 49.78 1.03 0.00 | 62.51 1.34 0.00 | 63.06 1.66 0.00 | 48.25 1.54 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.44 1.50 0.00 |
| COBBLENY_34_KV_TB1 80064 | 32.70 0.86 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 28.00 1.33 0.00 | 28.80 1.13 0.00 | 32.95 0.84 0.00 | 48.07 -1.08 0.00 | 55.31 -1.77 0.00 | 43.12 -0.26 0.00 | 31.55 0.31 0.00 | 29.99 0.73 0.00 | 27.42 0.24 0.00 | 28.13 0.42 0.00 | 28.72 0.34 0.00 | 26.28 0.42 0.42 | 27.76 -0.60 0.23 | 33.57 -0.86 0.00 | 47.00 -1.76 0.00 | 61.04 -0.12 0.00 | 60.36 -1.04 0.00 | 45.45 -1.26 0.00 | 39.77 -1.70 0.00 | 38.07 -0.82 0.00 | 35.36 0.42 0.00 |
| COFFEEN___115KV_TB3 355620 | 32.70 0.86 0.00 | 28.90 0.87 0.00 | 28.08 0.90 0.00 | 27.33 0.67 0.00 | 28.47 0.80 0.00 | 33.40 1.28 0.00 | 51.46 2.31 0.00 | 59.93 2.85 0.00 | 44.73 1.34 0.00 | 31.74 0.50 0.00 | 29.47 0.20 0.00 | 27.20 0.03 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 26.26 -0.03 0.00 | 28.77 0.17 0.00 | 34.75 0.31 0.00 | 50.22 1.46 0.00 | 63.79 2.63 0.00 | 64.59 3.19 0.00 | 49.19 2.48 0.00 | 43.71 2.24 0.00 | 40.83 1.94 0.00 | 36.47 1.54 0.00 |
| COLDSPRG_115KV_BK1 355956 | 33.05 1.21 0.00 | 29.52 1.49 0.00 | 28.60 1.41 0.00 | 28.29 1.63 0.00 | 29.13 1.47 0.00 | 33.50 1.38 0.00 | 49.15 0.00 0.00 | 56.68 -0.40 0.00 | 44.04 0.65 0.00 | 32.24 1.00 0.00 | 30.55 1.29 0.00 | 27.99 0.82 0.00 | 28.71 1.00 0.00 | 29.28 0.91 0.00 | 26.79 0.95 0.44 | 28.19 -0.17 0.24 | 34.33 -0.10 0.00 | 48.22 -0.54 0.00 | 62.82 1.65 0.00 | 62.02 0.61 0.00 | 46.52 -0.19 0.00 | 40.64 -0.83 0.00 | 38.73 -0.16 0.00 | 35.81 0.87 0.00 |
| COLONIE_LFGE___ 323577 | 32.57 0.73 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.76 0.64 0.00 | 50.38 1.23 0.00 | 58.39 1.31 0.00 | 44.34 0.95 0.00 | 31.77 0.53 0.00 | 29.67 0.41 0.00 | 27.55 0.38 0.00 | 28.02 0.31 0.00 | 28.72 0.34 0.00 | 27.39 0.42 -0.69 | 29.56 0.60 -0.36 | 35.12 0.69 0.00 | 50.07 1.32 0.00 | 62.63 1.47 0.00 | 62.87 1.47 0.00 | 47.74 1.03 0.00 | 42.30 0.83 0.00 | 39.66 0.78 0.00 | 35.57 0.63 0.00 |
| COOPERNY_115KV_TB1 80082 | 32.70 0.86 0.00 | 28.71 0.67 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.24 0.58 0.00 | 32.73 0.61 0.00 | 50.08 0.93 0.00 | 58.33 1.26 0.00 | 44.47 1.08 0.00 | 32.15 0.91 0.00 | 30.14 0.88 0.00 | 28.07 0.90 0.00 | 28.66 0.94 0.00 | 29.34 0.96 0.00 | 22.50 0.92 4.70 | 26.99 0.97 2.58 | 35.50 1.07 0.00 | 49.92 1.17 0.00 | 62.51 1.35 0.00 | 62.57 1.17 0.00 | 47.55 0.84 0.00 | 42.34 0.87 0.00 | 39.55 0.66 0.00 | 35.43 0.49 0.00 |
| COPENHAGEN_WT_PWR 323753 | 32.44 0.60 0.00 | 28.65 0.62 0.00 | 27.84 0.65 0.00 | 27.12 0.45 0.00 | 28.25 0.58 0.00 | 33.08 0.96 0.00 | 50.92 1.77 0.00 | 59.30 2.22 0.00 | 44.38 1.00 0.00 | 31.55 0.31 0.00 | 29.35 0.09 0.00 | 27.12 -0.05 0.00 | 27.88 0.17 0.00 | 28.52 0.14 0.00 | 26.18 -0.10 0.00 | 28.65 0.06 0.00 | 34.61 0.17 0.00 | 49.78 1.03 0.00 | 63.12 1.96 0.00 | 63.86 2.46 0.00 | 48.63 1.92 0.00 | 43.22 1.74 0.00 | 40.44 1.56 0.00 | 36.13 1.19 0.00 |
| CORNELL_____ 23752 | 32.41 0.57 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.25 0.59 0.00 | 28.24 0.58 0.00 | 32.79 0.67 0.00 | 49.84 0.69 0.00 | 58.10 1.03 0.00 | 44.08 0.69 0.00 | 31.65 0.41 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.93 0.21 0.56 | 28.41 0.11 0.31 | 34.61 0.17 0.00 | 49.24 0.49 0.00 | 62.57 1.41 0.00 | 62.75 1.35 0.00 | 47.50 0.79 0.00 | 42.05 0.58 0.00 | 39.39 0.51 0.00 | 35.53 0.59 0.00 |

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| CORONA__69_KV_TB1 355595 | 33.27 1.43 0.00 | 28.93 0.90 0.00 | 27.97 0.79 0.00 | 27.41 0.75 0.00 | 28.29 0.64 0.01 | 32.82 0.71 0.01 | 50.07 1.18 0.26 | 57.64 1.60 1.04 | 44.90 1.52 0.01 | 32.45 1.22 0.01 | 30.67 1.40 0.00 | 28.61 1.44 0.00 | 29.24 1.52 0.00 | 30.11 1.73 0.00 | 30.23 1.60 -2.34 | 31.82 1.94 -1.28 | 36.54 2.10 0.00 | 50.50 1.76 0.01 | 62.99 1.83 0.01 | 63.49 2.09 0.00 | 48.02 1.31 0.00 | 43.17 1.70 0.00 | 40.17 1.28 0.00 | 35.74 0.80 0.00 |
| CORTLAND__115KV_TB3 80093 | 32.41 0.57 0.00 | 28.54 0.50 0.00 | 27.70 0.52 0.00 | 27.14 0.48 0.00 | 28.19 0.53 0.00 | 32.82 0.71 0.00 | 50.33 1.18 0.00 | 58.62 1.54 0.00 | 44.34 0.95 0.00 | 31.77 0.53 0.00 | 29.70 0.44 0.00 | 27.47 0.30 0.00 | 28.11 0.39 0.00 | 28.77 0.40 0.00 | 26.55 0.26 0.00 | 28.94 0.34 0.00 | 34.88 0.45 0.00 | 48.90 0.15 0.00 | 61.90 0.73 0.00 | 62.08 0.68 0.00 | 47.04 0.33 0.00 | 41.68 0.21 0.00 | 39.08 0.19 0.00 | 35.22 0.28 0.00 |
| COXSACKIE__GT 23611 | 33.08 1.24 0.00 | 29.07 1.04 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.37 1.25 0.00 | 51.46 2.31 0.00 | 59.65 2.57 0.00 | 44.90 1.52 0.00 | 31.77 0.53 0.00 | 29.44 0.18 0.00 | 27.25 0.08 0.00 | 27.80 0.08 0.00 | 28.55 0.17 0.00 | 27.68 0.50 -0.90 | 29.83 0.74 -0.49 | 35.23 0.79 0.00 | 50.75 2.00 0.00 | 63.92 2.75 0.00 | 64.41 3.01 0.00 | 48.86 2.15 0.00 | 43.26 1.78 0.00 | 40.36 1.48 0.00 | 36.34 1.40 0.00 |
| CPV_VALLEY__CC1 323721 | 32.70 0.86 0.00 | 28.68 0.65 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.66 0.55 0.00 | 50.03 0.89 0.00 | 58.28 1.20 0.00 | 44.51 1.13 0.00 | 32.15 0.91 0.00 | 30.17 0.91 0.00 | 28.10 0.92 0.00 | 28.69 0.97 0.00 | 29.40 1.02 0.00 | 21.24 1.00 6.04 | 26.37 1.06 3.29 | 35.54 1.10 0.00 | 49.92 1.17 0.00 | 62.45 1.29 0.00 | 62.51 1.11 0.00 | 47.45 0.75 0.00 | 42.30 0.83 0.00 | 39.47 0.58 0.00 | 35.36 0.42 0.00 |
| CPV_VALLEY__CC2 323722 | 32.70 0.86 0.00 | 28.68 0.65 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.66 0.55 0.00 | 50.03 0.89 0.00 | 58.28 1.20 0.00 | 44.51 1.13 0.00 | 32.15 0.91 0.00 | 30.17 0.91 0.00 | 28.10 0.92 0.00 | 28.69 0.97 0.00 | 29.40 1.02 0.00 | 21.24 1.00 6.04 | 26.37 1.06 3.29 | 35.54 1.10 0.00 | 49.92 1.17 0.00 | 62.45 1.29 0.00 | 62.51 1.11 0.00 | 47.45 0.75 0.00 | 42.30 0.83 0.00 | 39.47 0.58 0.00 | 35.36 0.42 0.00 |
| CRESCENT__HYD 24018 | 32.57 0.73 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.76 0.64 0.00 | 50.38 1.23 0.00 | 58.39 1.31 0.00 | 44.34 0.95 0.00 | 31.77 0.53 0.00 | 29.67 0.41 0.00 | 27.55 0.38 0.00 | 28.02 0.31 0.00 | 28.72 0.34 0.00 | 27.39 0.42 -0.69 | 29.56 0.60 -0.36 | 35.12 0.69 0.00 | 50.07 1.32 0.00 | 62.63 1.47 0.00 | 62.87 1.47 0.00 | 47.74 1.03 0.00 | 42.30 0.83 0.00 | 39.66 0.78 0.00 | 35.57 0.63 0.00 |
| CRICKET__VALLEY_CC1 323756 | 32.73 0.89 0.00 | 28.68 0.65 0.00 | 27.76 0.57 0.00 | 27.23 0.56 0.00 | 28.22 0.55 0.00 | 32.73 0.61 0.00 | 50.33 1.18 0.00 | 58.39 1.31 0.00 | 44.56 1.17 0.00 | 32.15 0.91 0.00 | 30.08 0.82 0.00 | 28.04 0.87 0.00 | 28.58 0.86 0.00 | 29.28 0.91 0.00 | 28.90 0.92 -1.70 | 30.59 1.06 -0.93 | 35.61 1.17 0.00 | 50.21 1.46 0.00 | 62.57 1.41 0.00 | 62.69 1.29 0.00 | 47.59 0.89 0.00 | 42.35 0.87 0.00 | 39.59 0.70 0.00 | 35.46 0.52 0.00 |
| CRICKET__VALLEY_CC2 323757 | 32.73 0.89 0.00 | 28.68 0.65 0.00 | 27.76 0.57 0.00 | 27.23 0.56 0.00 | 28.22 0.55 0.00 | 32.73 0.61 0.00 | 50.33 1.18 0.00 | 58.39 1.31 0.00 | 44.56 1.17 0.00 | 32.15 0.91 0.00 | 30.08 0.82 0.00 | 28.04 0.87 0.00 | 28.58 0.86 0.00 | 29.28 0.91 0.00 | 28.90 0.92 -1.70 | 30.59 1.06 -0.93 | 35.61 1.17 0.00 | 50.21 1.46 0.00 | 62.57 1.41 0.00 | 62.69 1.29 0.00 | 47.59 0.89 0.00 | 42.35 0.87 0.00 | 39.59 0.70 0.00 | 35.46 0.52 0.00 |
| CRICKET__VALLEY_CC3 323758 | 32.73 0.89 0.00 | 28.68 0.65 0.00 | 27.76 0.57 0.00 | 27.23 0.56 0.00 | 28.22 0.55 0.00 | 32.73 0.61 0.00 | 50.33 1.18 0.00 | 58.39 1.31 0.00 | 44.56 1.17 0.00 | 32.15 0.91 0.00 | 30.08 0.82 0.00 | 28.04 0.87 0.00 | 28.58 0.86 0.00 | 29.28 0.91 0.00 | 28.90 0.92 -1.70 | 30.59 1.06 -0.93 | 35.61 1.17 0.00 | 50.21 1.46 0.00 | 62.57 1.41 0.00 | 62.69 1.29 0.00 | 47.59 0.89 0.00 | 42.35 0.87 0.00 | 39.59 0.70 0.00 | 35.46 0.52 0.00 |
| CRUCIBLE_METL_DRP 24180 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.58 -0.08 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.90 -0.17 0.00 | 43.21 -0.17 0.00 | 31.12 -0.12 0.00 | 29.17 -0.09 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.37 -0.23 0.00 | 34.16 -0.28 0.00 | 48.31 -0.44 0.00 | 60.98 -0.18 0.00 | 61.22 -0.18 0.00 | 46.43 -0.28 0.00 | 41.14 -0.33 0.00 | 38.53 -0.35 0.00 | 34.73 -0.21 0.00 |
| DAHOWA__HYDRO 323763 | 32.83 0.99 0.00 | 28.85 0.81 0.00 | 28.00 0.81 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.15 1.03 0.00 | 50.92 1.77 0.00 | 59.02 1.94 0.00 | 44.60 1.21 0.00 | 31.62 0.38 0.00 | 29.70 0.44 0.00 | 27.50 0.33 0.00 | 27.91 0.20 0.00 | 28.63 0.25 0.00 | 27.30 0.37 -0.65 | 29.55 0.63 -0.33 | 34.92 0.48 0.00 | 50.17 1.41 0.00 | 63.12 1.96 0.00 | 63.49 2.09 0.00 | 48.20 1.49 0.00 | 42.63 1.16 0.00 | 40.01 1.13 0.00 | 35.84 0.91 0.00 |
| DANC__LFGE 323619 | 32.00 0.16 0.00 | 28.23 0.20 0.00 | 27.43 0.24 0.00 | 26.77 0.11 0.00 | 27.86 0.20 0.00 | 32.50 0.39 0.00 | 49.93 0.78 0.00 | 58.10 1.03 0.00 | 43.73 0.35 0.00 | 31.24 0.00 0.00 | 29.14 -0.12 0.00 | 26.95 -0.22 0.00 | 27.63 -0.08 0.00 | 28.26 -0.11 0.00 | 26.02 -0.26 0.00 | 28.40 -0.20 0.00 | 34.23 -0.21 0.00 | 49.00 0.24 0.00 | 61.96 0.79 0.00 | 62.51 1.11 0.00 | 47.55 0.84 0.00 | 42.26 0.79 0.00 | 39.55 0.66 0.00 | 35.43 0.49 0.00 |
| DANSKAMMER__1 23586 | 33.27 1.43 0.00 | 29.15 1.12 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.27 1.15 0.00 | 51.06 1.91 0.00 | 59.42 2.34 0.00 | 45.34 1.95 0.00 | 32.71 1.47 0.00 | 30.55 1.29 0.00 | 28.48 1.30 0.00 | 29.10 1.39 0.00 | 29.85 1.47 0.00 | 30.46 1.42 -2.76 | 31.65 1.54 -1.51 | 36.16 1.72 0.00 | 50.90 2.14 0.00 | 63.67 2.51 0.00 | 63.79 2.39 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.21 1.32 0.00 | 36.02 1.08 0.00 |
| DANSKAMMER__2 23589 | 33.27 1.43 0.00 | 29.15 1.12 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.27 1.15 0.00 | 51.06 1.91 0.00 | 59.42 2.34 0.00 | 45.34 1.95 0.00 | 32.71 1.47 0.00 | 30.55 1.29 0.00 | 28.48 1.30 0.00 | 29.10 1.39 0.00 | 29.85 1.47 0.00 | 30.46 1.42 -2.76 | 31.65 1.54 -1.51 | 36.16 1.72 0.00 | 50.90 2.14 0.00 | 63.67 2.51 0.00 | 63.79 2.39 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.21 1.32 0.00 | 36.02 1.08 0.00 |
| DANSKAMMER__3 23590 | 33.27 1.43 0.00 | 29.15 1.12 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.27 1.15 0.00 | 51.06 1.91 0.00 | 59.42 2.34 0.00 | 45.34 1.95 0.00 | 32.71 1.47 0.00 | 30.55 1.29 0.00 | 28.48 1.30 0.00 | 29.10 1.39 0.00 | 29.85 1.47 0.00 | 30.46 1.42 -2.76 | 31.65 1.54 -1.51 | 36.16 1.72 0.00 | 50.90 2.14 0.00 | 63.67 2.51 0.00 | 63.79 2.39 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.21 1.32 0.00 | 36.02 1.08 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| DANSKAMMER___4 23591 | 33.27 1.43 0.00 | 29.15 1.12 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.27 1.15 0.00 | 51.06 1.91 0.00 | 59.42 2.34 0.00 | 45.34 1.95 0.00 | 32.71 1.47 0.00 | 30.55 1.29 0.00 | 28.48 1.30 0.00 | 29.10 1.39 0.00 | 29.85 1.47 0.00 | 30.46 1.42 -2.76 | 31.65 1.54 -1.51 | 36.16 1.72 0.00 | 50.90 2.14 0.00 | 63.67 2.51 0.00 | 63.79 2.39 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.21 1.32 0.00 | 36.02 1.08 0.00 |
| DANSKAMMER___DIESEL 23592 | 33.27 1.43 0.00 | 29.15 1.12 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.24 1.12 0.00 | 51.02 1.87 0.00 | 59.42 2.34 0.00 | 45.29 1.91 0.00 | 32.71 1.47 0.00 | 30.55 1.29 0.00 | 28.48 1.30 0.00 | 29.10 1.39 0.00 | 29.85 1.48 0.00 | 30.46 1.42 -2.76 | 31.65 1.54 -1.51 | 36.16 1.72 0.00 | 50.90 2.15 0.00 | 63.67 2.51 0.00 | 63.80 2.39 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.25 1.36 0.00 | 36.05 1.12 0.00 |
| DARBY___SOLAR 323810 | 32.76 0.92 0.00 | 28.79 0.76 0.00 | 27.95 0.76 0.00 | 27.41 0.75 0.00 | 28.47 0.80 0.00 | 33.05 0.93 0.00 | 50.77 1.62 0.00 | 58.85 1.77 0.00 | 44.51 1.13 0.00 | 31.62 0.38 0.00 | 29.67 0.41 0.00 | 27.47 0.30 0.00 | 27.88 0.17 0.00 | 28.60 0.23 0.00 | 27.27 0.34 -0.65 | 29.50 0.57 -0.33 | 34.92 0.48 0.00 | 50.12 1.36 0.00 | 63.00 1.83 0.00 | 63.31 1.91 0.00 | 48.11 1.40 0.00 | 42.55 1.08 0.00 | 39.89 1.01 0.00 | 35.77 0.84 0.00 |
| DASHVILLE___HYD 23610 | 33.05 1.21 0.00 | 28.96 0.93 0.00 | 28.06 0.87 0.00 | 27.49 0.83 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.67 1.52 0.00 | 58.90 1.83 0.00 | 44.90 1.52 0.00 | 32.43 1.19 0.00 | 30.29 1.02 0.00 | 28.23 1.06 0.00 | 28.85 1.14 0.00 | 29.60 1.22 0.00 | 29.36 1.42 -1.66 | 31.08 1.57 -0.91 | 35.88 1.45 0.00 | 50.51 1.76 0.00 | 63.06 1.90 0.00 | 63.24 1.84 0.00 | 48.02 1.31 0.00 | 42.80 1.33 0.00 | 39.97 1.09 0.00 | 35.81 0.87 0.00 |
| DELAWARE___LFGE 323621 | 32.54 0.70 0.00 | 28.62 0.59 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.27 0.61 0.00 | 32.76 0.64 0.00 | 50.08 0.93 0.00 | 60.61 3.54 0.00 | 45.73 2.34 0.00 | 32.65 1.41 0.00 | 30.43 1.17 0.00 | 28.01 0.84 0.00 | 28.83 1.11 0.00 | 29.43 1.05 0.00 | 26.33 0.76 0.72 | 28.72 0.51 0.39 | 35.02 0.59 0.00 | 49.63 0.88 0.00 | 62.33 1.16 0.00 | 62.51 1.11 0.00 | 47.55 0.84 0.00 | 42.22 0.75 0.00 | 39.51 0.62 0.00 | 35.46 0.52 0.00 |
| DERFIELD_115KV_TB7 355931 | 31.93 0.10 0.00 | 28.09 0.06 0.00 | 27.24 0.05 0.00 | 26.72 0.05 0.00 | 27.72 0.06 0.00 | 32.18 0.06 0.00 | 49.30 0.15 0.00 | 57.25 0.17 0.00 | 43.52 0.13 0.00 | 31.30 0.06 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.77 0.06 0.00 | 28.46 0.09 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.54 0.10 0.00 | 48.95 0.20 0.00 | 61.35 0.18 0.00 | 61.59 0.18 0.00 | 46.80 0.09 0.00 | 41.56 0.08 0.00 | 38.96 0.08 0.00 | 34.97 0.03 0.00 |
| DOGLEVILLE___HYD 23807 | 33.59 1.75 0.00 | 29.60 1.57 0.00 | 28.71 1.52 0.00 | 28.16 1.49 0.00 | 29.24 1.58 0.00 | 33.95 1.83 0.00 | 51.95 2.80 0.00 | 60.39 3.31 0.00 | 45.86 2.47 0.00 | 32.99 1.75 0.00 | 30.87 1.61 0.00 | 28.64 1.47 0.00 | 29.27 1.55 0.00 | 29.97 1.59 0.00 | 27.73 1.45 0.00 | 30.17 1.57 0.00 | 36.33 1.89 0.00 | 51.53 2.78 0.00 | 64.71 3.55 0.00 | 64.96 3.56 0.00 | 49.37 2.66 0.00 | 43.92 2.45 0.00 | 41.22 2.33 0.00 | 37.03 2.10 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 32.92 1.08 0.00 | 29.41 1.37 0.00 | 28.46 1.28 0.00 | 28.16 1.49 0.00 | 28.99 1.33 0.00 | 33.21 1.09 0.00 | 48.46 -0.69 0.00 | 55.82 -1.26 0.00 | 43.47 0.09 0.00 | 31.84 0.59 0.00 | 30.29 1.02 0.00 | 27.72 0.54 0.00 | 28.44 0.72 0.00 | 29.00 0.62 0.00 | 26.52 0.66 0.42 | 28.02 -0.34 0.23 | 33.99 -0.45 0.00 | 47.58 -1.17 0.00 | 61.90 0.73 0.00 | 61.09 -0.31 0.00 | 45.96 -0.75 0.00 | 40.23 -1.24 0.00 | 38.42 -0.47 0.00 | 35.57 0.63 0.00 |
| DUNKIRK___1 23563 | 32.92 1.08 0.00 | 29.41 1.37 0.00 | 28.46 1.28 0.00 | 28.16 1.49 0.00 | 28.99 1.33 0.00 | 33.21 1.09 0.00 | 48.46 -0.69 0.00 | 55.82 -1.26 0.00 | 43.47 0.09 0.00 | 31.84 0.59 0.00 | 30.29 1.02 0.00 | 27.72 0.54 0.00 | 28.44 0.72 0.00 | 29.00 0.62 0.00 | 26.52 0.66 0.42 | 28.02 -0.34 0.23 | 33.99 -0.45 0.00 | 47.58 -1.17 0.00 | 61.90 0.73 0.00 | 61.09 -0.31 0.00 | 45.96 -0.75 0.00 | 40.23 -1.24 0.00 | 38.42 -0.47 0.00 | 35.57 0.63 0.00 |
| DUNKIRK___2 23564 | 32.92 1.08 0.00 | 29.41 1.37 0.00 | 28.46 1.28 0.00 | 28.16 1.49 0.00 | 28.99 1.33 0.00 | 33.21 1.09 0.00 | 48.46 -0.69 0.00 | 55.82 -1.26 0.00 | 43.47 0.09 0.00 | 31.84 0.59 0.00 | 30.29 1.02 0.00 | 27.72 0.54 0.00 | 28.44 0.72 0.00 | 29.00 0.62 0.00 | 26.52 0.66 0.42 | 28.02 -0.34 0.23 | 33.99 -0.45 0.00 | 47.58 -1.17 0.00 | 61.90 0.73 0.00 | 61.09 -0.31 0.00 | 45.96 -0.75 0.00 | 40.23 -1.24 0.00 | 38.42 -0.47 0.00 | 35.57 0.63 0.00 |
| DUNKIRK___3 23565 | 32.76 0.92 0.00 | 29.27 1.23 0.00 | 28.35 1.17 0.00 | 28.02 1.36 0.00 | 28.85 1.19 0.00 | 33.02 0.90 0.00 | 48.17 -0.98 0.00 | 55.48 -1.60 0.00 | 43.17 -0.22 0.00 | 31.62 0.37 0.00 | 30.05 0.79 0.00 | 27.53 0.35 0.00 | 28.22 0.50 0.00 | 28.77 0.40 0.00 | 26.34 0.47 0.42 | 27.85 -0.51 0.23 | 33.75 -0.69 0.00 | 47.24 -1.51 0.00 | 61.41 0.24 0.00 | 60.67 -0.74 0.00 | 45.64 -1.07 0.00 | 39.98 -1.49 0.00 | 38.18 -0.70 0.00 | 35.39 0.45 0.00 |
| DUNKIRK___4 23566 | 32.76 0.92 0.00 | 29.27 1.23 0.00 | 28.35 1.17 0.00 | 28.02 1.36 0.00 | 28.85 1.19 0.00 | 33.02 0.90 0.00 | 48.17 -0.98 0.00 | 55.48 -1.60 0.00 | 43.17 -0.22 0.00 | 31.62 0.37 0.00 | 30.05 0.79 0.00 | 27.53 0.35 0.00 | 28.22 0.50 0.00 | 28.77 0.40 0.00 | 26.34 0.47 0.42 | 27.85 -0.51 0.23 | 33.75 -0.69 0.00 | 47.24 -1.51 0.00 | 61.41 0.24 0.00 | 60.67 -0.74 0.00 | 45.64 -1.07 0.00 | 39.98 -1.49 0.00 | 38.18 -0.70 0.00 | 35.39 0.45 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 33.30 1.46 0.00 | 29.15 1.12 0.00 | 28.19 1.01 0.00 | 27.62 0.96 0.00 | 28.63 0.97 0.00 | 33.21 1.09 0.00 | 50.87 1.72 0.00 | 59.30 2.23 0.00 | 45.34 1.95 0.00 | 32.87 1.62 0.00 | 30.81 1.55 0.00 | 28.75 1.58 0.00 | 29.32 1.61 0.00 | 30.05 1.67 0.00 | 30.26 1.63 -2.35 | 31.63 1.74 -1.29 | 36.36 1.93 0.00 | 50.85 2.10 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.25 1.54 0.00 | 43.05 1.58 0.00 | 40.21 1.32 0.00 | 35.95 1.01 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 33.11 1.27 0.00 | 29.04 1.01 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.55 0.89 0.00 | 33.08 0.96 0.00 | 50.72 1.57 0.00 | 59.07 2.00 0.00 | 45.08 1.69 0.00 | 32.55 1.31 0.00 | 30.46 1.20 0.00 | 28.40 1.22 0.00 | 28.99 1.27 0.00 | 29.74 1.36 0.00 | 31.40 1.31 -3.80 | 32.11 1.43 -2.08 | 35.95 1.52 0.00 | 50.56 1.80 0.00 | 63.24 2.08 0.00 | 63.37 1.96 0.00 | 48.11 1.40 0.00 | 42.84 1.37 0.00 | 39.97 1.09 0.00 | 35.78 0.84 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 33.56 1.72 -0.01 | 29.39 1.35 -0.01 | 28.42 1.22 -0.01 | 27.82 1.15 -0.01 | 28.86 1.19 -0.01 | 33.47 1.35 -0.01 | 50.97 1.82 0.00 | 59.59 2.51 0.00 | 45.64 2.26 0.00 | 33.06 1.81 -0.01 | 31.01 1.76 0.01 | 28.93 1.77 0.01 | 29.51 1.80 0.01 | 30.24 1.87 0.01 | 30.44 1.81 -2.34 | 31.82 1.94 -1.28 | 36.56 2.13 0.01 | 50.56 1.80 0.00 | 62.94 1.77 0.00 | 63.00 1.60 0.00 | 48.02 1.31 0.00 | 43.13 1.66 0.00 | 40.40 1.52 0.00 | 36.10 1.15 -0.01 |

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| E179THST_13_KV_LOAD 356214 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.53 1.33 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.16 2.02 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.22 1.97 -0.01 | 31.15 1.90 0.01 | 29.07 1.90 0.01 | 29.65 1.94 0.01 | 30.38 2.01 0.01 | 30.57 1.94 -2.34 | 31.96 2.09 -1.28 | 36.73 2.31 0.01 | 50.85 2.10 0.00 | 63.24 2.08 0.00 | 63.31 1.90 0.00 | 48.25 1.54 0.00 | 43.34 1.87 0.00 | 40.60 1.71 0.00 | 36.24 1.29 -0.01 |
| EAST HAMPTON___GT 23717 | 33.46 1.62 0.00 | 28.93 0.90 0.00 | 27.95 0.76 0.00 | 27.46 0.80 0.00 | 28.21 0.55 0.01 | 32.65 0.58 0.05 | 47.58 1.13 2.70 | 47.99 1.66 10.75 | 45.11 1.74 0.01 | 30.78 1.28 1.74 | 30.67 1.40 0.00 | 28.58 1.41 0.00 | 29.27 1.55 0.00 | 30.25 1.87 0.00 | 30.31 1.68 -2.34 | 32.14 2.26 -1.28 | 36.88 2.45 0.00 | 50.89 2.14 0.01 | 63.54 2.38 0.01 | 64.41 3.01 0.00 | 48.48 1.77 0.00 | 43.42 1.95 0.00 | 40.36 1.48 0.00 | 35.77 0.84 0.00 |
| EAST RIVER___6 23660 | 33.49 1.65 0.00 | 29.26 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.40 1.29 0.00 | 51.02 1.87 0.00 | 59.47 2.40 0.00 | 45.55 2.17 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.28 1.90 0.00 | 30.44 1.81 -2.35 | 31.88 2.00 -1.29 | 36.61 2.17 0.00 | 51.09 2.34 0.00 | 63.43 2.26 0.00 | 63.43 2.02 0.00 | 48.30 1.59 0.00 | 43.17 1.70 0.00 | 40.21 1.32 0.00 | 35.95 1.01 0.00 |
| EAST RIVER___7 23524 | 33.49 1.65 0.00 | 29.26 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.40 1.29 0.00 | 51.02 1.87 0.00 | 59.47 2.40 0.00 | 45.55 2.17 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.28 1.90 0.00 | 30.44 1.81 -2.35 | 31.88 2.00 -1.29 | 36.61 2.17 0.00 | 51.09 2.34 0.00 | 63.43 2.26 0.00 | 63.43 2.02 0.00 | 48.30 1.59 0.00 | 43.17 1.70 0.00 | 40.21 1.32 0.00 | 35.95 1.01 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 33.24 1.40 0.00 | 29.10 1.07 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.15 1.03 0.00 | 50.82 1.67 0.00 | 59.19 2.11 0.00 | 45.25 1.87 0.00 | 32.77 1.53 0.00 | 30.75 1.49 0.00 | 28.67 1.49 0.00 | 29.24 1.52 0.00 | 29.97 1.59 0.00 | 30.23 1.55 -2.40 | 31.57 1.66 -1.31 | 36.26 1.83 0.00 | 50.75 2.00 0.00 | 63.37 2.20 0.00 | 63.43 2.03 0.00 | 48.16 1.45 0.00 | 42.97 1.49 0.00 | 40.13 1.24 0.00 | 35.88 0.94 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 33.46 1.62 0.00 | 28.96 0.92 0.00 | 27.95 0.76 0.00 | 27.46 0.80 0.00 | 28.21 0.55 0.01 | 32.65 0.58 0.05 | 47.63 1.18 2.70 | 47.99 1.66 10.75 | 45.11 1.74 0.01 | 30.78 1.28 1.74 | 30.67 1.40 0.00 | 28.58 1.41 0.00 | 29.27 1.55 0.00 | 30.25 1.87 0.00 | 30.31 1.68 -2.34 | 32.14 2.26 -1.28 | 36.92 2.48 0.00 | 50.89 2.14 0.01 | 63.54 2.38 0.01 | 64.41 3.01 0.00 | 48.48 1.77 0.00 | 43.42 1.95 0.00 | 40.36 1.48 0.00 | 35.77 0.84 0.00 |
| EAST_POINT___SOLAR 323840 | 32.79 0.95 0.00 | 28.82 0.78 0.00 | 28.00 0.81 0.00 | 27.46 0.80 0.00 | 28.57 0.91 0.00 | 33.31 1.19 0.00 | 51.31 2.16 0.00 | 60.10 3.02 0.00 | 43.13 -0.26 0.00 | 29.15 -2.09 0.00 | 26.69 -2.58 0.00 | 24.62 -2.56 0.00 | 25.06 -2.66 0.00 | 25.71 -2.67 0.00 | 24.35 -2.52 -0.59 | 26.65 -1.95 0.00 | 32.54 -1.89 0.00 | 48.85 0.10 0.00 | 63.61 2.45 0.00 | 63.98 2.58 0.00 | 48.63 1.92 0.00 | 42.96 1.49 0.00 | 40.21 1.32 0.00 | 35.95 1.01 0.00 |
| EAST_PULASKI___ESR 323781 | 31.62 -0.22 0.00 | 27.87 -0.17 0.00 | 27.02 -0.16 0.00 | 26.48 -0.19 0.00 | 27.50 -0.16 0.00 | 31.99 -0.13 0.00 | 49.00 -0.15 0.00 | 57.02 -0.06 0.00 | 43.13 -0.26 0.00 | 30.93 -0.31 0.00 | 28.94 -0.32 0.00 | 26.79 -0.38 0.00 | 27.41 -0.30 0.00 | 28.06 -0.31 0.00 | 25.89 -0.39 0.00 | 28.20 -0.40 0.00 | 33.92 -0.52 0.00 | 48.27 -0.49 0.00 | 60.86 -0.30 0.00 | 61.28 -0.12 0.00 | 46.57 -0.14 0.00 | 41.35 -0.12 0.00 | 38.73 -0.15 0.00 | 34.76 -0.17 0.00 |
| EAST_RIVER___1 323558 | 33.49 1.65 0.00 | 29.30 1.26 0.00 | 28.30 1.12 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.40 1.29 0.00 | 51.06 1.91 0.00 | 59.58 2.51 0.00 | 45.60 2.21 0.00 | 33.08 1.84 0.00 | 31.05 1.79 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.47 1.84 -2.35 | 31.86 1.97 -1.29 | 36.57 2.14 0.00 | 51.00 2.24 0.00 | 63.55 2.38 0.00 | 63.55 2.15 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.28 1.40 0.00 | 36.05 1.12 0.00 |
| EAST_RIVER___2 323559 | 33.49 1.65 0.00 | 29.26 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.40 1.29 0.00 | 51.02 1.87 0.00 | 59.47 2.40 0.00 | 45.55 2.17 0.00 | 33.02 1.78 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.28 1.90 0.00 | 30.44 1.81 -2.35 | 31.88 2.00 -1.29 | 36.61 2.17 0.00 | 51.09 2.34 0.00 | 63.43 2.26 0.00 | 63.43 2.02 0.00 | 48.30 1.59 0.00 | 43.17 1.70 0.00 | 40.21 1.32 0.00 | 35.95 1.01 0.00 |
| EAST___DELAWARE_HYD 23607 | 33.08 1.24 0.00 | 29.01 0.98 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.55 0.88 0.00 | 33.11 1.00 0.00 | 50.82 1.67 0.00 | 59.24 2.17 0.00 | 45.08 1.69 0.00 | 32.46 1.22 0.00 | 30.28 1.02 0.00 | 28.23 1.06 0.00 | 28.88 1.16 0.00 | 29.60 1.22 0.00 | 27.47 1.18 0.00 | 29.88 1.29 0.00 | 35.88 1.45 0.00 | 50.61 1.85 0.00 | 63.36 2.20 0.00 | 63.61 2.21 0.00 | 48.30 1.59 0.00 | 43.01 1.54 0.00 | 40.05 1.17 0.00 | 35.88 0.94 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 32.51 0.67 0.00 | 28.90 0.87 0.00 | 28.11 0.92 0.00 | 27.78 1.12 0.00 | 28.71 1.05 0.00 | 33.21 1.09 0.00 | 49.45 0.30 0.00 | 57.42 0.34 0.00 | 43.47 0.09 0.00 | 31.37 0.13 0.00 | 29.67 0.41 0.00 | 27.20 0.03 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 25.95 0.16 0.49 | 28.07 -0.26 0.26 | 34.06 -0.38 0.00 | 48.31 -0.44 0.00 | 62.75 1.59 0.00 | 62.57 1.16 0.00 | 47.04 0.33 0.00 | 41.35 -0.12 0.00 | 39.16 0.27 0.00 | 35.74 0.80 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 31.61 -0.22 0.00 | 27.84 -0.20 0.00 | 27.02 -0.16 0.00 | 26.53 -0.13 0.00 | 27.50 -0.17 0.00 | 31.89 -0.22 0.00 | 48.61 -0.54 0.00 | 56.56 -0.51 0.00 | 43.04 -0.35 0.00 | 30.99 -0.25 0.00 | 29.06 -0.20 0.00 | 26.90 -0.27 0.00 | 27.50 -0.22 0.00 | 28.12 -0.26 0.00 | 26.05 -0.24 0.00 | 28.25 -0.34 0.00 | 33.99 -0.45 0.00 | 48.12 -0.63 0.00 | 60.74 -0.43 0.00 | 60.91 -0.49 0.00 | 46.20 -0.51 0.00 | 40.93 -0.54 0.00 | 38.38 -0.51 0.00 | 34.59 -0.35 0.00 |
| ELEC_TRO_TEK 24086 | 33.08 1.24 0.00 | 28.79 0.76 0.00 | 27.84 0.65 0.00 | 27.28 0.61 0.00 | 28.16 0.50 0.01 | 32.66 0.55 0.01 | 49.41 0.88 0.62 | 55.91 1.31 2.48 | 44.64 1.26 0.01 | 32.30 1.06 0.01 | 30.52 1.26 0.00 | 28.48 1.30 0.00 | 29.13 1.41 0.00 | 29.97 1.59 0.00 | 30.10 1.47 -2.34 | 31.71 1.83 -1.28 | 36.36 1.93 0.00 | 50.16 1.41 0.01 | 62.56 1.41 0.01 | 63.06 1.66 0.00 | 47.69 0.98 0.00 | 42.88 1.41 0.00 | 39.97 1.09 0.00 | 35.57 0.63 0.00 |
| ELLENBURG_WT_PWR 323604 | 32.09 0.25 0.00 | 28.37 0.34 0.00 | 27.46 0.27 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.57 0.45 0.00 | 49.79 0.64 0.00 | 57.59 0.51 0.00 | 43.73 0.35 0.00 | 31.49 0.25 0.00 | 29.44 0.18 0.00 | 27.44 0.27 0.00 | 27.91 0.20 0.00 | 28.55 0.17 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.78 0.34 0.00 | 49.14 0.39 0.00 | 61.71 0.55 0.00 | 62.08 0.68 0.00 | 47.45 0.75 0.00 | 42.39 0.91 0.00 | 39.78 0.90 0.00 | 35.67 0.73 0.00 |

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| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 32.63 0.80 0.00 | 29.15 1.12 0.00 | 28.25 1.06 0.00 | 27.92 1.25 0.00 | 28.74 1.08 0.00 | 32.79 0.67 0.00 | 47.63 -1.52 0.00 | 54.79 -2.28 0.00 | 42.78 -0.61 0.00 | 31.34 0.09 0.00 | 29.85 0.59 0.00 | 27.28 0.11 0.00 | 27.97 0.25 0.00 | 28.55 0.17 0.00 | 26.14 0.26 0.40 | 27.66 -0.71 0.22 | 33.37 -1.07 0.00 | 46.66 -2.10 0.00 | 60.55 -0.61 0.00 | 59.81 -1.60 0.00 | 45.07 -1.63 0.00 | 39.52 -1.95 0.00 | 37.87 -1.01 0.00 | 35.25 0.31 0.00 |
| EMPIRE_CC_1 323656 | 32.44 0.60 0.00 | 28.48 0.45 0.00 | 27.59 0.41 0.00 | 27.09 0.43 0.00 | 28.08 0.42 0.00 | 32.57 0.45 0.00 | 50.08 0.93 0.00 | 58.05 0.97 0.00 | 44.17 0.78 0.00 | 31.74 0.50 0.00 | 29.64 0.38 0.00 | 27.55 0.38 0.00 | 28.05 0.33 0.00 | 28.74 0.37 0.00 | 27.60 0.45 -0.87 | 29.67 0.60 -0.47 | 35.12 0.69 0.00 | 49.88 1.12 0.00 | 62.27 1.10 0.00 | 62.44 1.04 0.00 | 47.41 0.70 0.00 | 42.05 0.58 0.00 | 39.43 0.54 0.00 | 35.39 0.45 0.00 |
| EMPIRE_CC_2 323658 | 32.44 0.60 0.00 | 28.48 0.45 0.00 | 27.59 0.41 0.00 | 27.09 0.43 0.00 | 28.08 0.42 0.00 | 32.57 0.45 0.00 | 50.08 0.93 0.00 | 58.05 0.97 0.00 | 44.17 0.78 0.00 | 31.74 0.50 0.00 | 29.64 0.38 0.00 | 27.55 0.38 0.00 | 28.05 0.33 0.00 | 28.74 0.37 0.00 | 27.60 0.45 -0.87 | 29.67 0.60 -0.47 | 35.12 0.69 0.00 | 49.88 1.12 0.00 | 62.27 1.10 0.00 | 62.44 1.04 0.00 | 47.41 0.70 0.00 | 42.05 0.58 0.00 | 39.43 0.54 0.00 | 35.39 0.45 0.00 |
| ENORWICH_115KV_TB1 80156 | 33.59 1.75 0.00 | 29.69 1.65 0.00 | 28.84 1.66 0.00 | 28.21 1.55 0.00 | 29.35 1.69 0.00 | 34.27 2.15 0.00 | 52.44 3.29 0.00 | 61.70 4.62 0.00 | 46.21 2.82 0.00 | 32.74 1.50 0.00 | 30.37 1.11 0.00 | 27.91 0.73 0.00 | 28.77 1.05 0.00 | 29.37 0.99 0.00 | 26.31 0.68 0.66 | 28.95 0.71 0.36 | 35.50 1.07 0.00 | 51.29 2.54 0.00 | 65.57 4.40 0.00 | 66.07 4.67 0.00 | 49.98 3.27 0.00 | 44.25 2.78 0.00 | 41.41 2.53 0.00 | 37.17 2.24 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 32.60 0.76 0.00 | 29.15 1.12 0.00 | 28.25 1.06 0.00 | 27.86 1.20 0.00 | 28.69 1.02 0.00 | 32.82 0.71 0.00 | 47.92 -1.23 0.00 | 55.19 -1.88 0.00 | 42.95 -0.43 0.00 | 31.46 0.22 0.00 | 29.88 0.61 0.00 | 27.34 0.16 0.00 | 28.05 0.33 0.00 | 28.60 0.23 0.00 | 26.18 0.32 0.42 | 27.68 -0.69 0.23 | 33.54 -0.90 0.00 | 46.95 -1.80 0.00 | 61.04 -0.12 0.00 | 60.30 -1.11 0.00 | 45.36 -1.35 0.00 | 39.73 -1.74 0.00 | 37.99 -0.89 0.00 | 35.25 0.31 0.00 |
| ERIE_WT_PWR 323693 | 32.73 0.89 0.00 | 29.21 1.18 0.00 | 28.35 1.17 0.00 | 28.05 1.39 0.00 | 28.85 1.19 0.00 | 32.95 0.83 0.00 | 48.02 -1.13 0.00 | 55.42 -1.66 0.00 | 42.99 -0.39 0.00 | 31.49 0.25 0.00 | 29.96 0.70 0.00 | 27.39 0.22 0.00 | 28.10 0.39 0.00 | 28.69 0.31 0.00 | 26.24 0.37 0.41 | 27.76 -0.60 0.23 | 33.54 -0.90 0.00 | 46.90 -1.85 0.00 | 60.92 -0.24 0.00 | 60.42 -0.98 0.00 | 45.35 -1.36 0.00 | 39.73 -1.74 0.00 | 38.30 -0.58 0.00 | 35.46 0.52 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 32.31 0.48 0.00 | 28.42 0.39 0.00 | 27.62 0.43 0.00 | 27.06 0.40 0.00 | 28.11 0.44 0.00 | 32.70 0.58 0.00 | 50.23 1.08 0.00 | 61.19 4.11 0.00 | 44.43 1.04 0.00 | 30.34 -0.91 0.00 | 27.71 -1.55 0.00 | 25.41 -1.77 0.00 | 25.97 -1.75 0.00 | 26.62 -1.76 0.00 | 25.09 -1.79 -0.59 | 28.35 -0.57 -0.33 | 33.92 -0.52 0.00 | 49.00 0.24 0.00 | 62.33 1.16 0.00 | 62.63 1.23 0.00 | 47.60 0.89 0.00 | 42.22 0.75 0.00 | 39.43 0.54 0.00 | 35.32 0.38 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 32.38 0.54 0.00 | 28.54 0.50 0.00 | 27.70 0.52 0.00 | 27.20 0.53 0.00 | 28.19 0.53 0.00 | 32.73 0.61 0.00 | 49.79 0.64 0.00 | 57.99 0.91 0.00 | 43.99 0.61 0.00 | 31.62 0.37 0.00 | 29.61 0.35 0.00 | 27.36 0.19 0.00 | 27.97 0.25 0.00 | 28.60 0.23 0.00 | 25.91 0.18 0.56 | 28.38 0.09 0.30 | 34.57 0.14 0.00 | 49.19 0.44 0.00 | 62.45 1.28 0.00 | 62.63 1.23 0.00 | 47.41 0.70 0.00 | 42.01 0.54 0.00 | 39.35 0.47 0.00 | 35.46 0.52 0.00 |
| ETNA____115KV_TB2 80207 | 32.38 0.54 0.00 | 28.54 0.50 0.00 | 27.70 0.52 0.00 | 27.20 0.53 0.00 | 28.19 0.53 0.00 | 32.73 0.61 0.00 | 49.79 0.64 0.00 | 57.99 0.91 0.00 | 43.99 0.61 0.00 | 31.62 0.37 0.00 | 29.61 0.35 0.00 | 27.36 0.19 0.00 | 27.97 0.25 0.00 | 28.60 0.23 0.00 | 25.91 0.18 0.56 | 28.38 0.09 0.30 | 34.57 0.14 0.00 | 49.19 0.44 0.00 | 62.45 1.28 0.00 | 62.63 1.23 0.00 | 47.41 0.70 0.00 | 42.01 0.54 0.00 | 39.35 0.47 0.00 | 35.46 0.52 0.00 |
| EUCLID___115KV_TB2 356179 | 31.39 -0.45 0.00 | 27.67 -0.36 0.00 | 26.83 -0.35 0.00 | 26.34 -0.32 0.00 | 27.30 -0.36 0.00 | 31.70 -0.42 0.00 | 48.36 -0.79 0.00 | 56.28 -0.80 0.00 | 42.78 -0.61 0.00 | 30.80 -0.44 0.00 | 28.91 -0.35 0.00 | 26.79 -0.38 0.00 | 27.36 -0.36 0.00 | 28.01 -0.37 0.00 | 25.91 -0.37 0.00 | 28.17 -0.43 0.00 | 33.88 -0.55 0.00 | 47.88 -0.88 0.00 | 60.31 -0.86 0.00 | 60.48 -0.92 0.00 | 45.92 -0.79 0.00 | 40.69 -0.79 0.00 | 38.18 -0.70 0.00 | 34.38 -0.56 0.00 |
| E_CANADA_CAP_HY 24051 | 32.16 0.32 0.00 | 28.28 0.25 0.00 | 27.46 0.27 0.00 | 26.93 0.27 0.00 | 28.00 0.33 0.00 | 32.63 0.51 0.00 | 50.23 1.08 0.00 | 59.58 2.51 0.00 | 43.34 -0.04 0.00 | 29.68 -1.56 0.00 | 27.21 -2.05 0.00 | 25.03 -2.15 0.00 | 25.47 -2.24 0.00 | 26.13 -2.24 0.00 | 24.77 -2.10 -0.59 | 27.22 -1.37 0.00 | 33.13 -1.31 0.00 | 48.56 -0.19 0.00 | 62.20 1.04 0.00 | 62.57 1.16 0.00 | 47.55 0.84 0.00 | 42.10 0.62 0.00 | 39.39 0.50 0.00 | 35.22 0.28 0.00 |
| E_CANADA_MHWK_HY 24050 | 33.59 1.75 0.00 | 29.60 1.57 0.00 | 28.71 1.52 0.00 | 28.16 1.49 0.00 | 29.24 1.58 0.00 | 33.98 1.86 0.00 | 52.00 2.85 0.00 | 60.38 3.31 0.00 | 45.86 2.47 0.00 | 32.99 1.75 0.00 | 30.87 1.61 0.00 | 28.64 1.47 0.00 | 29.27 1.55 0.00 | 29.96 1.59 0.00 | 27.73 1.44 0.00 | 30.17 1.57 0.00 | 36.33 1.89 0.00 | 51.53 2.78 0.00 | 64.71 3.55 0.00 | 64.96 3.56 0.00 | 49.37 2.66 0.00 | 43.92 2.45 0.00 | 41.22 2.33 0.00 | 37.03 2.10 0.00 |
| E_FISHKILL___LBMP 23776 | 33.02 1.18 0.00 | 28.93 0.90 0.00 | 28.00 0.82 0.00 | 27.44 0.77 0.00 | 28.47 0.80 0.00 | 32.98 0.87 0.00 | 50.57 1.43 0.00 | 58.85 1.77 0.00 | 44.95 1.56 0.00 | 32.52 1.28 0.00 | 30.46 1.20 0.00 | 28.40 1.22 0.00 | 28.96 1.25 0.00 | 29.68 1.31 0.00 | 29.40 1.26 -1.85 | 31.01 1.40 -1.02 | 35.98 1.55 0.00 | 50.51 1.76 0.00 | 63.00 1.83 0.00 | 63.12 1.72 0.00 | 47.92 1.21 0.00 | 42.72 1.24 0.00 | 39.93 1.05 0.00 | 35.71 0.77 0.00 |
| FALCON___SEABRD_CC1 323796 | 32.66 0.83 0.00 | 28.93 0.90 0.00 | 28.00 0.81 0.00 | 27.36 0.69 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.23 1.08 0.00 | 57.76 0.69 0.00 | 44.12 0.74 0.00 | 31.81 0.56 0.00 | 29.73 0.47 0.00 | 27.74 0.57 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.57 0.29 0.00 | 28.94 0.34 0.00 | 35.12 0.69 0.00 | 49.39 0.63 0.00 | 62.02 0.86 0.00 | 62.44 1.04 0.00 | 47.92 1.21 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.47 1.54 0.00 |
| FALCON___SEABRD_CC2 323797 | 32.66 0.83 0.00 | 28.93 0.90 0.00 | 28.00 0.81 0.00 | 27.36 0.69 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.23 1.08 0.00 | 57.76 0.69 0.00 | 44.12 0.74 0.00 | 31.81 0.56 0.00 | 29.73 0.47 0.00 | 27.74 0.57 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.57 0.29 0.00 | 28.94 0.34 0.00 | 35.12 0.69 0.00 | 49.39 0.63 0.00 | 62.02 0.86 0.00 | 62.44 1.04 0.00 | 47.92 1.21 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.47 1.54 0.00 |

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| FAR ROCKAWAY___4 23548 | 33.49 1.66 0.00 | 29.13 1.09 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.46 0.80 0.01 | 32.98 0.87 0.01 | 50.35 1.47 0.27 | 57.99 2.00 1.08 | 45.16 1.78 0.01 | 32.64 1.41 0.01 | 30.84 1.58 0.00 | 28.78 1.60 0.00 | 29.44 1.72 0.00 | 30.31 1.93 0.00 | 30.41 1.79 -2.34 | 32.05 2.17 -1.28 | 36.81 2.38 0.00 | 50.89 2.15 0.01 | 63.48 2.32 0.01 | 64.10 2.70 0.00 | 48.39 1.68 0.00 | 43.46 1.99 0.00 | 40.44 1.56 0.00 | 35.99 1.05 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.30 1.11 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.02 1.87 0.00 | 59.59 2.51 0.00 | 45.55 2.17 0.00 | 33.09 1.84 0.00 | 31.05 1.78 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.47 1.84 -2.35 | 31.86 1.97 -1.29 | 36.57 2.13 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.05 1.12 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.07 1.92 0.00 | 59.59 2.51 0.00 | 45.60 2.21 0.00 | 33.09 1.84 0.00 | 31.05 1.78 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.47 1.84 -2.35 | 31.86 1.97 -1.29 | 36.60 2.17 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 33.46 1.62 0.00 | 29.29 1.26 0.00 | 28.30 1.11 0.00 | 27.73 1.07 0.00 | 28.74 1.08 0.00 | 33.37 1.25 0.00 | 51.02 1.87 0.00 | 59.59 2.51 0.00 | 45.55 2.17 0.00 | 33.09 1.84 0.00 | 31.05 1.78 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.45 1.81 -2.35 | 31.86 1.97 -1.29 | 36.57 2.13 0.00 | 50.95 2.19 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.30 1.59 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| FARRAGUT___LBMP 323566 | 33.46 1.62 0.00 | 29.27 1.23 0.00 | 28.30 1.11 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.53 2.45 0.00 | 45.51 2.13 0.00 | 33.05 1.81 0.00 | 31.02 1.76 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.83 1.94 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.02 1.08 0.00 |
| FENNER___WINDPWR 24204 | 32.44 0.60 0.00 | 28.59 0.56 0.00 | 27.76 0.57 0.00 | 27.20 0.53 0.00 | 28.25 0.58 0.00 | 32.89 0.77 0.00 | 50.48 1.33 0.00 | 58.73 1.66 0.00 | 44.38 1.00 0.00 | 31.77 0.53 0.00 | 29.70 0.44 0.00 | 27.47 0.30 0.00 | 28.13 0.42 0.00 | 28.80 0.43 0.00 | 26.57 0.29 0.00 | 28.97 0.37 0.00 | 34.92 0.48 0.00 | 49.44 0.68 0.00 | 62.39 1.22 0.00 | 62.69 1.29 0.00 | 47.59 0.89 0.00 | 42.18 0.70 0.00 | 39.55 0.66 0.00 | 35.53 0.59 0.00 |
| FIBERTEK___ENERGY 23856 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.58 -0.08 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.90 -0.17 0.00 | 43.21 -0.17 0.00 | 31.12 -0.12 0.00 | 29.17 -0.09 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.37 -0.23 0.00 | 34.16 -0.28 0.00 | 48.31 -0.44 0.00 | 60.98 -0.18 0.00 | 61.22 -0.18 0.00 | 46.43 -0.28 0.00 | 41.14 -0.33 0.00 | 38.53 -0.35 0.00 | 34.73 -0.21 0.00 |
| FITZPATRICK___ 23598 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 25.97 -0.69 0.00 | 26.94 -0.72 0.00 | 31.25 -0.87 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.17 -1.21 0.00 | 30.40 -0.84 0.00 | 28.50 -0.76 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.42 0.00 | 59.45 -1.71 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.96 -0.98 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 33.30 1.46 0.00 | 29.21 1.18 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.71 1.05 0.00 | 33.31 1.19 0.00 | 51.12 1.97 0.00 | 59.53 2.45 0.00 | 45.38 2.00 0.00 | 32.74 1.50 0.00 | 30.58 1.32 0.00 | 28.50 1.33 0.00 | 29.13 1.41 0.00 | 29.88 1.50 0.00 | 30.33 1.45 -2.60 | 31.60 1.57 -1.43 | 36.19 1.76 0.00 | 51.00 2.24 0.00 | 63.79 2.63 0.00 | 63.92 2.52 0.00 | 48.53 1.82 0.00 | 43.22 1.74 0.00 | 40.32 1.44 0.00 | 36.09 1.15 0.00 |
| FORT ORANGE___ 23900 | 32.22 0.38 0.00 | 28.28 0.25 0.00 | 27.43 0.24 0.00 | 26.90 0.24 0.00 | 27.91 0.25 0.00 | 32.37 0.26 0.00 | 49.69 0.54 0.00 | 57.65 0.57 0.00 | 43.82 0.43 0.00 | 31.40 0.16 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.72 0.00 0.00 | 28.40 0.03 0.00 | 27.16 0.16 -0.72 | 29.26 0.29 -0.38 | 34.74 0.31 0.00 | 49.34 0.59 0.00 | 61.71 0.55 0.00 | 61.95 0.55 0.00 | 47.13 0.42 0.00 | 41.80 0.33 0.00 | 39.12 0.23 0.00 | 35.15 0.21 0.00 |
| FORT_DRUM_COGEN 23780 | 32.51 0.67 0.00 | 28.73 0.70 0.00 | 27.95 0.76 0.00 | 27.17 0.51 0.00 | 28.30 0.64 0.00 | 33.21 1.09 0.00 | 51.16 2.02 0.00 | 59.59 2.51 0.00 | 44.51 1.13 0.00 | 31.65 0.41 0.00 | 29.41 0.15 0.00 | 27.17 0.00 0.00 | 27.97 0.25 0.00 | 28.58 0.20 0.00 | 26.23 -0.05 0.00 | 28.74 0.14 0.00 | 34.68 0.24 0.00 | 49.97 1.22 0.00 | 63.43 2.26 0.00 | 64.16 2.76 0.00 | 48.91 2.20 0.00 | 43.46 1.99 0.00 | 40.63 1.75 0.00 | 36.30 1.36 0.00 |
| FOX_HILLS___ESR 323835 | 33.76 1.91 -0.01 | 29.55 1.51 -0.01 | 28.55 1.36 -0.01 | 27.98 1.31 -0.01 | 29.03 1.36 -0.01 | 33.67 1.54 -0.01 | 51.16 2.02 0.00 | 59.93 2.85 0.00 | 45.90 2.52 0.00 | 33.16 1.91 -0.01 | 31.05 1.78 -0.01 | 28.95 1.77 -0.01 | 29.53 1.80 -0.01 | 30.26 1.87 -0.01 | 30.43 1.79 -2.36 | 31.86 1.97 -1.29 | 36.68 2.24 -0.01 | 50.61 1.85 0.00 | 63.06 1.90 0.00 | 63.06 1.66 0.00 | 48.06 1.35 0.00 | 43.01 1.53 0.00 | 40.44 1.56 0.00 | 36.34 1.40 -0.01 |
| FPL_FAR_ROCK_GT1 24212 | 33.49 1.65 0.00 | 29.10 1.06 0.00 | 28.11 0.92 0.00 | 27.57 0.91 0.00 | 28.46 0.80 0.01 | 33.01 0.90 0.01 | 50.35 1.47 0.27 | 57.99 2.00 1.08 | 45.29 1.91 0.01 | 32.64 1.41 0.01 | 30.84 1.58 0.00 | 28.78 1.60 0.00 | 29.44 1.72 0.00 | 30.31 1.93 0.00 | 30.41 1.79 -2.34 | 32.05 2.17 -1.28 | 36.81 2.37 0.00 | 50.89 2.14 0.01 | 63.48 2.32 0.01 | 64.04 2.64 0.00 | 48.39 1.68 0.00 | 43.34 1.87 0.00 | 40.40 1.51 0.00 | 35.95 1.01 0.00 |
| FPL_FAR_ROCK_GT2 23815 | 33.49 1.65 0.00 | 29.10 1.06 0.00 | 28.11 0.92 0.00 | 27.57 0.91 0.00 | 28.46 0.80 0.01 | 33.01 0.90 0.01 | 50.35 1.47 0.27 | 57.99 2.00 1.08 | 45.29 1.91 0.01 | 32.64 1.41 0.01 | 30.84 1.58 0.00 | 28.78 1.60 0.00 | 29.44 1.72 0.00 | 30.31 1.93 0.00 | 30.41 1.79 -2.34 | 32.05 2.17 -1.28 | 36.81 2.37 0.00 | 50.89 2.14 0.01 | 63.48 2.32 0.01 | 64.04 2.64 0.00 | 48.39 1.68 0.00 | 43.34 1.87 0.00 | 40.40 1.51 0.00 | 35.95 1.01 0.00 |
| FRANKLIN_FALL_HYD 24054 | 32.47 0.64 0.00 | 28.79 0.76 0.00 | 27.86 0.68 0.00 | 27.17 0.51 0.00 | 28.22 0.55 0.00 | 33.05 0.93 0.00 | 50.82 1.67 0.00 | 58.79 1.71 0.00 | 44.34 0.95 0.00 | 31.93 0.69 0.00 | 29.79 0.53 0.00 | 27.80 0.62 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.62 0.34 0.00 | 28.97 0.37 0.00 | 35.19 0.76 0.00 | 49.92 1.17 0.00 | 62.75 1.59 0.00 | 63.37 1.96 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |

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| FREEPORT_EQUS_GT1 23764 | 33.24 1.40 0.00 | 28.87 0.84 0.00 | 27.87 0.68 0.00 | 27.33 0.67 0.00 | 28.21 0.55 0.01 | 32.69 0.58 0.01 | 48.66 0.93 1.42 | 52.71 1.31 5.68 | 44.85 1.48 0.01 | 32.36 1.12 0.01 | 30.55 1.29 0.00 | 28.56 1.39 0.00 | 29.21 1.50 0.00 | 30.08 1.70 0.00 | 30.20 1.58 -2.34 | 31.85 1.97 -1.28 | 36.54 2.10 0.00 | 50.35 1.61 0.01 | 62.87 1.71 0.01 | 63.43 2.02 0.00 | 47.92 1.21 0.00 | 42.96 1.49 0.00 | 40.05 1.17 0.00 | 35.67 0.73 0.00 |
| FREEPORT___CT2 23818 | 33.24 1.40 0.00 | 28.87 0.84 0.00 | 27.87 0.68 0.00 | 27.33 0.67 0.00 | 28.21 0.55 0.01 | 32.69 0.58 0.01 | 48.66 0.93 1.42 | 52.71 1.31 5.68 | 44.85 1.48 0.01 | 32.36 1.12 0.01 | 30.55 1.29 0.00 | 28.56 1.39 0.00 | 29.21 1.50 0.00 | 30.08 1.70 0.00 | 30.20 1.58 -2.34 | 31.85 1.97 -1.28 | 36.54 2.10 0.00 | 50.35 1.61 0.01 | 62.87 1.71 0.01 | 63.43 2.02 0.00 | 47.92 1.21 0.00 | 42.96 1.49 0.00 | 40.05 1.17 0.00 | 35.67 0.73 0.00 |
| FRESHKLS_33_KV_LOAD 356253 | 33.88 2.04 -0.01 | 29.67 1.63 -0.01 | 28.69 1.50 -0.01 | 28.11 1.44 -0.01 | 29.14 1.47 -0.01 | 33.80 1.67 -0.01 | 51.36 2.21 0.00 | 60.21 3.14 0.00 | 46.08 2.69 0.00 | 33.22 1.97 -0.01 | 31.08 1.81 -0.01 | 28.97 1.79 -0.01 | 29.55 1.83 -0.01 | 30.29 1.90 -0.01 | 30.45 1.81 -2.36 | 31.89 2.00 -1.29 | 36.72 2.27 -0.01 | 50.61 1.85 0.00 | 63.06 1.90 0.00 | 63.06 1.66 0.00 | 48.02 1.31 0.00 | 42.97 1.49 0.00 | 40.48 1.59 0.00 | 36.45 1.50 -0.01 |
| FULTON COGEN____ 23766 | 31.36 -0.48 0.00 | 27.61 -0.42 0.00 | 26.78 -0.41 0.00 | 26.29 -0.37 0.00 | 27.25 -0.41 0.00 | 31.64 -0.48 0.00 | 48.36 -0.79 0.00 | 56.22 -0.86 0.00 | 42.73 -0.65 0.00 | 30.77 -0.47 0.00 | 28.82 -0.44 0.00 | 26.71 -0.46 0.00 | 27.30 -0.42 0.00 | 27.92 -0.45 0.00 | 25.84 -0.45 0.00 | 28.11 -0.49 0.00 | 33.82 -0.62 0.00 | 47.88 -0.88 0.00 | 60.31 -0.86 0.00 | 60.54 -0.86 0.00 | 45.92 -0.79 0.00 | 40.73 -0.75 0.00 | 38.15 -0.74 0.00 | 34.34 -0.59 0.00 |
| FULTON___LFGE 323630 | 32.73 0.89 0.00 | 28.76 0.73 0.00 | 27.92 0.73 0.00 | 27.38 0.72 0.00 | 28.47 0.80 0.00 | 33.15 1.03 0.00 | 51.06 1.91 0.00 | 59.93 2.85 0.00 | 43.91 0.52 0.00 | 30.21 -1.03 0.00 | 27.71 -1.55 0.00 | 25.49 -1.68 0.00 | 25.86 -1.86 0.00 | 26.56 -1.82 0.00 | 25.27 -1.60 -0.59 | 27.62 -0.97 0.00 | 33.68 -0.76 0.00 | 49.49 0.73 0.00 | 63.30 2.14 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 42.76 1.29 0.00 | 40.05 1.17 0.00 | 35.81 0.87 0.00 |
| G.F.CEMENT___DRP 24184 | 32.82 0.99 0.00 | 28.82 0.78 0.00 | 28.03 0.84 0.00 | 27.49 0.83 0.00 | 28.55 0.89 0.00 | 33.18 1.06 0.00 | 50.92 1.77 0.00 | 59.02 1.94 0.00 | 44.60 1.21 0.00 | 31.52 0.28 0.00 | 29.85 0.59 0.00 | 27.58 0.41 0.00 | 27.94 0.22 0.00 | 28.69 0.31 0.00 | 27.36 0.45 -0.63 | 29.66 0.71 -0.35 | 34.81 0.38 0.00 | 50.12 1.37 0.00 | 63.18 2.02 0.00 | 63.55 2.15 0.00 | 48.25 1.54 0.00 | 42.64 1.16 0.00 | 40.01 1.13 0.00 | 35.81 0.87 0.00 |
| GARDENVILLE___LBMP 24039 | 32.60 0.76 0.00 | 29.15 1.12 0.00 | 28.27 1.09 0.00 | 27.92 1.25 0.00 | 28.71 1.05 0.00 | 32.82 0.71 0.00 | 47.77 -1.38 0.00 | 55.02 -2.05 0.00 | 42.82 -0.56 0.00 | 31.30 0.06 0.00 | 29.79 0.53 0.00 | 27.23 0.05 0.00 | 27.94 0.22 0.00 | 28.52 0.14 0.00 | 26.09 0.24 0.43 | 27.62 -0.74 0.23 | 33.40 -1.03 0.00 | 46.75 -2.00 0.00 | 60.80 -0.37 0.00 | 60.05 -1.35 0.00 | 45.26 -1.45 0.00 | 39.69 -1.78 0.00 | 37.95 -0.93 0.00 | 35.29 0.35 0.00 |
| GARDNVLA_35_KV_LD 355827 | 32.79 0.96 0.00 | 29.32 1.29 0.00 | 28.41 1.22 0.00 | 28.05 1.39 0.00 | 28.88 1.22 0.00 | 33.02 0.90 0.00 | 48.12 -1.03 0.00 | 55.36 -1.71 0.00 | 43.17 -0.22 0.00 | 31.59 0.34 0.00 | 30.05 0.79 0.00 | 27.47 0.30 0.00 | 28.22 0.50 0.00 | 28.80 0.43 0.00 | 26.37 0.50 0.41 | 27.86 -0.51 0.23 | 33.64 -0.79 0.00 | 47.10 -1.66 0.00 | 61.16 0.00 0.00 | 60.48 -0.92 0.00 | 45.50 -1.21 0.00 | 39.90 -1.58 0.00 | 38.18 -0.70 0.00 | 35.46 0.52 0.00 |
| GELCKHM___115KV_LOAD 80723 | 31.52 -0.32 0.00 | 27.75 -0.28 0.00 | 26.91 -0.27 0.00 | 26.42 -0.24 0.00 | 27.41 -0.25 0.00 | 31.83 -0.29 0.00 | 48.56 -0.59 0.00 | 56.50 -0.57 0.00 | 42.95 -0.43 0.00 | 30.93 -0.31 0.00 | 29.00 -0.26 0.00 | 26.87 -0.30 0.00 | 27.44 -0.28 0.00 | 28.09 -0.28 0.00 | 25.99 -0.29 0.00 | 28.25 -0.34 0.00 | 33.99 -0.45 0.00 | 48.07 -0.68 0.00 | 60.55 -0.61 0.00 | 60.79 -0.61 0.00 | 46.10 -0.61 0.00 | 40.89 -0.58 0.00 | 38.30 -0.58 0.00 | 34.48 -0.45 0.00 |
| GENERAL___MILLS 23808 | 32.70 0.86 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 28.00 1.33 0.00 | 28.80 1.13 0.00 | 32.92 0.80 0.00 | 47.92 -1.23 0.00 | 55.14 -1.94 0.00 | 42.99 -0.39 0.00 | 31.46 0.22 0.00 | 29.93 0.67 0.00 | 27.36 0.19 0.00 | 28.08 0.36 0.00 | 28.66 0.28 0.00 | 26.24 0.37 0.41 | 27.74 -0.63 0.23 | 33.51 -0.93 0.00 | 46.90 -1.85 0.00 | 60.92 -0.24 0.00 | 60.17 -1.23 0.00 | 45.31 -1.40 0.00 | 39.73 -1.74 0.00 | 38.03 -0.86 0.00 | 35.36 0.42 0.00 |
| GE_PLASTICS___DRP 24183 | 32.16 0.32 0.00 | 28.26 0.22 0.00 | 27.40 0.22 0.00 | 26.88 0.21 0.00 | 27.88 0.22 0.00 | 32.31 0.19 0.00 | 49.54 0.39 0.00 | 57.53 0.46 0.00 | 43.78 0.39 0.00 | 31.46 0.22 0.00 | 29.44 0.18 0.00 | 27.34 0.16 0.00 | 27.83 0.11 0.00 | 28.52 0.14 0.00 | 27.21 0.24 -0.69 | 29.32 0.34 -0.38 | 34.78 0.34 0.00 | 49.29 0.54 0.00 | 61.53 0.37 0.00 | 61.77 0.37 0.00 | 46.99 0.28 0.00 | 41.72 0.25 0.00 | 39.12 0.23 0.00 | 35.11 0.17 0.00 |
| GILBOA___1 23756 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.70 0.52 0.00 | 27.17 0.51 0.00 | 28.19 0.52 0.00 | 32.57 0.45 0.00 | 49.84 0.69 0.00 | 57.93 0.86 0.00 | 44.12 0.74 0.00 | 31.83 0.59 0.00 | 29.82 0.55 0.00 | 27.72 0.54 0.00 | 28.27 0.55 0.00 | 28.97 0.60 0.00 | 26.86 0.58 0.00 | 29.25 0.66 0.00 | 35.16 0.72 0.00 | 49.58 0.83 0.00 | 61.78 0.61 0.00 | 61.89 0.49 0.00 | 47.27 0.56 0.00 | 42.01 0.54 0.00 | 39.31 0.43 0.00 | 35.29 0.35 0.00 |
| GILBOA___2 23757 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.70 0.52 0.00 | 27.17 0.51 0.00 | 28.19 0.52 0.00 | 32.57 0.45 0.00 | 49.84 0.69 0.00 | 57.93 0.86 0.00 | 44.12 0.74 0.00 | 31.83 0.59 0.00 | 29.82 0.55 0.00 | 27.72 0.54 0.00 | 28.27 0.55 0.00 | 28.97 0.60 0.00 | 26.86 0.58 0.00 | 29.25 0.66 0.00 | 35.16 0.72 0.00 | 49.58 0.83 0.00 | 61.78 0.61 0.00 | 61.89 0.49 0.00 | 47.27 0.56 0.00 | 42.01 0.54 0.00 | 39.31 0.43 0.00 | 35.29 0.35 0.00 |
| GILBOA___3 23758 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.70 0.52 0.00 | 27.17 0.51 0.00 | 28.19 0.52 0.00 | 32.57 0.45 0.00 | 49.84 0.69 0.00 | 57.93 0.86 0.00 | 44.12 0.74 0.00 | 31.83 0.59 0.00 | 29.82 0.55 0.00 | 27.72 0.54 0.00 | 28.27 0.55 0.00 | 28.97 0.60 0.00 | 26.86 0.58 0.00 | 29.25 0.66 0.00 | 35.16 0.72 0.00 | 49.58 0.83 0.00 | 61.78 0.61 0.00 | 61.89 0.49 0.00 | 47.27 0.56 0.00 | 42.01 0.54 0.00 | 39.31 0.43 0.00 | 35.29 0.35 0.00 |
| GILBOA___4 23759 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.70 0.52 0.00 | 27.17 0.51 0.00 | 28.19 0.52 0.00 | 32.57 0.45 0.00 | 49.84 0.69 0.00 | 57.93 0.86 0.00 | 44.12 0.74 0.00 | 31.83 0.59 0.00 | 29.82 0.55 0.00 | 27.72 0.54 0.00 | 28.27 0.55 0.00 | 28.97 0.60 0.00 | 26.86 0.58 0.00 | 29.25 0.66 0.00 | 35.16 0.72 0.00 | 49.58 0.83 0.00 | 61.78 0.61 0.00 | 61.89 0.49 0.00 | 47.27 0.56 0.00 | 42.01 0.54 0.00 | 39.31 0.43 0.00 | 35.29 0.35 0.00 |

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| GILBOA____ 23599 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.70 0.52 0.00 | 27.17 0.51 0.00 | 28.19 0.53 0.00 | 32.54 0.42 0.00 | 49.84 0.69 0.00 | 57.87 0.80 0.00 | 44.12 0.74 0.00 | 31.84 0.59 0.00 | 29.82 0.56 0.00 | 27.72 0.54 0.00 | 28.27 0.55 0.00 | 28.97 0.60 0.00 | 26.86 0.58 0.00 | 29.25 0.66 0.00 | 35.16 0.72 0.00 | 49.58 0.83 0.00 | 61.78 0.61 0.00 | 61.95 0.55 0.00 | 47.27 0.56 0.00 | 42.01 0.54 0.00 | 39.35 0.47 0.00 | 35.32 0.38 0.00 |
| GINNA____ 23603 | 30.79 -1.05 0.00 | 27.28 -0.76 0.00 | 26.48 -0.71 0.00 | 26.02 -0.64 0.00 | 26.92 -0.75 0.00 | 31.03 -1.09 0.00 | 46.45 -2.70 0.00 | 54.05 -3.03 0.00 | 41.48 -1.91 0.00 | 30.05 -1.19 0.00 | 28.35 -0.91 0.00 | 26.08 -1.09 0.00 | 26.75 -0.97 0.00 | 27.33 -1.05 0.00 | 25.31 -0.97 0.00 | 27.05 -1.54 0.00 | 32.54 -1.89 0.00 | 45.83 -2.92 0.00 | 58.90 -2.26 0.00 | 58.76 -2.64 0.00 | 44.33 -2.38 0.00 | 39.03 -2.45 0.00 | 36.98 -1.90 0.00 | 33.68 -1.26 0.00 |
| GLEN PARK____ 23778 | 32.63 0.80 0.00 | 28.85 0.81 0.00 | 28.05 0.87 0.00 | 27.28 0.61 0.00 | 28.44 0.77 0.00 | 33.34 1.22 0.00 | 51.36 2.21 0.00 | 59.82 2.74 0.00 | 44.69 1.30 0.00 | 31.71 0.47 0.00 | 29.44 0.18 0.00 | 27.17 0.00 0.00 | 27.97 0.25 0.00 | 28.60 0.23 0.00 | 26.23 -0.05 0.00 | 28.74 0.14 0.00 | 34.71 0.27 0.00 | 50.12 1.36 0.00 | 63.67 2.51 0.00 | 64.53 3.13 0.00 | 49.09 2.38 0.00 | 43.63 2.16 0.00 | 40.79 1.90 0.00 | 36.40 1.47 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 33.72 1.88 -0.01 | 29.53 1.49 -0.01 | 28.53 1.33 -0.01 | 27.95 1.28 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.16 2.02 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.31 2.06 -0.01 | 31.29 2.02 -0.01 | 29.16 1.98 -0.01 | 29.75 2.02 -0.01 | 30.51 2.13 -0.01 | 30.66 2.02 -2.36 | 32.06 2.17 -1.29 | 36.85 2.41 -0.01 | 51.04 2.29 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.48 1.77 0.00 | 43.42 1.95 0.00 | 40.63 1.75 0.00 | 36.34 1.40 -0.01 |
| GLENWOOD_IC_1_G5 23712 | 33.30 1.46 0.00 | 29.04 1.01 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.46 0.80 0.00 | 32.98 0.87 0.00 | 49.70 1.43 0.87 | 55.01 1.48 3.55 | 45.12 1.74 0.00 | 32.64 1.41 0.00 | 30.78 1.52 0.00 | 28.72 1.55 0.00 | 29.35 1.64 0.00 | 30.14 1.76 0.00 | 30.28 1.66 -2.34 | 31.82 1.94 -1.28 | 36.54 2.10 0.00 | 50.36 1.61 0.00 | 62.81 1.65 0.00 | 63.12 1.72 0.00 | 47.78 1.07 0.00 | 43.17 1.70 0.00 | 40.21 1.32 0.00 | 35.88 0.94 0.00 |
| GLENWOOD_IC_2_G1 23688 | 33.24 1.40 0.00 | 29.04 1.01 0.00 | 28.05 0.87 0.00 | 27.49 0.83 0.00 | 28.47 0.80 0.00 | 33.05 0.93 0.00 | 50.57 1.43 0.01 | 58.02 1.88 0.93 | 45.16 1.78 0.00 | 32.65 1.41 0.00 | 30.72 1.46 0.00 | 28.67 1.49 0.00 | 29.27 1.55 0.00 | 30.05 1.67 0.00 | 30.20 1.58 -2.34 | 31.68 1.80 -1.28 | 36.40 1.96 0.00 | 50.61 1.85 0.00 | 63.12 1.96 0.00 | 63.37 1.96 0.00 | 48.02 1.31 0.00 | 42.96 1.49 0.00 | 40.09 1.21 0.00 | 35.81 0.87 0.00 |
| GLENWOOD_IC_3_G1 23689 | 33.24 1.40 0.00 | 29.04 1.01 0.00 | 28.05 0.87 0.00 | 27.49 0.83 0.00 | 28.47 0.80 0.00 | 33.05 0.93 0.00 | 50.57 1.43 0.01 | 58.02 1.88 0.93 | 45.16 1.78 0.00 | 32.65 1.41 0.00 | 30.72 1.46 0.00 | 28.67 1.49 0.00 | 29.27 1.55 0.00 | 30.05 1.67 0.00 | 30.20 1.58 -2.34 | 31.68 1.80 -1.28 | 36.40 1.96 0.00 | 50.61 1.85 0.00 | 63.12 1.96 0.00 | 63.37 1.96 0.00 | 48.02 1.31 0.00 | 42.96 1.49 0.00 | 40.09 1.21 0.00 | 35.81 0.87 0.00 |
| GLENWOOD____4 23550 | 33.30 1.46 0.00 | 29.04 1.01 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.46 0.80 0.00 | 32.98 0.87 0.00 | 49.70 1.43 0.87 | 55.12 1.60 3.55 | 45.12 1.74 0.00 | 32.64 1.41 0.00 | 30.78 1.52 0.00 | 28.72 1.55 0.00 | 29.35 1.64 0.00 | 30.14 1.76 0.00 | 30.28 1.66 -2.34 | 31.82 1.94 -1.28 | 36.54 2.10 0.00 | 50.46 1.71 0.00 | 63.00 1.83 0.00 | 63.31 1.90 0.00 | 47.92 1.21 0.00 | 43.17 1.70 0.00 | 40.21 1.32 0.00 | 35.88 0.94 0.00 |
| GLENWOOD____5 23614 | 33.30 1.46 0.00 | 29.04 1.01 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.46 0.80 0.00 | 32.98 0.87 0.00 | 49.70 1.43 0.87 | 55.12 1.60 3.55 | 45.12 1.74 0.00 | 32.64 1.41 0.00 | 30.78 1.52 0.00 | 28.72 1.55 0.00 | 29.35 1.64 0.00 | 30.14 1.76 0.00 | 30.28 1.66 -2.34 | 31.82 1.94 -1.28 | 36.54 2.10 0.00 | 50.46 1.71 0.00 | 63.00 1.83 0.00 | 63.31 1.90 0.00 | 47.92 1.21 0.00 | 43.17 1.70 0.00 | 40.21 1.32 0.00 | 35.88 0.94 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 33.40 1.56 0.00 | 28.90 0.87 0.00 | 27.89 0.71 0.00 | 27.41 0.75 0.00 | 28.15 0.50 0.01 | 32.58 0.51 0.05 | 47.53 1.08 2.70 | 47.87 1.54 10.75 | 45.03 1.65 0.01 | 30.72 1.22 1.74 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.24 1.52 0.00 | 30.19 1.82 0.00 | 30.28 1.66 -2.34 | 32.11 2.23 -1.28 | 36.84 2.41 0.00 | 50.84 2.09 0.01 | 63.42 2.26 0.01 | 64.29 2.89 0.00 | 48.44 1.73 0.00 | 43.34 1.87 0.00 | 40.32 1.44 0.00 | 35.70 0.77 0.00 |
| GLOBE____DSASP 323697 | 32.54 0.70 0.00 | 28.57 0.53 0.00 | 27.70 0.52 0.00 | 27.86 1.20 0.00 | 28.66 1.00 0.00 | 32.41 0.29 0.00 | 46.20 -2.95 0.00 | 53.02 -4.05 0.00 | 41.56 -1.82 0.00 | 30.49 -0.75 0.00 | 29.11 -0.15 0.00 | 26.57 -0.60 0.00 | 27.25 -0.47 0.00 | 27.81 -0.57 0.00 | 25.47 -0.42 0.39 | 26.95 -1.43 0.21 | 32.40 -2.03 0.00 | 45.15 -3.61 0.00 | 58.53 -2.63 0.00 | 57.78 -3.62 0.00 | 43.63 -3.08 0.00 | 38.32 -3.15 0.00 | 36.86 -2.02 0.00 | 34.90 -0.03 0.00 |
| GOETHSLN____LBMP 323567 | 33.27 1.43 0.00 | 29.10 1.07 0.00 | 28.14 0.95 0.00 | 27.54 0.88 0.00 | 28.58 0.91 0.00 | 33.15 1.03 0.00 | 50.66 1.52 0.01 | 59.18 2.11 0.01 | 45.24 1.87 0.01 | 32.90 1.66 0.00 | 30.90 1.64 0.00 | 28.86 1.68 0.00 | 29.41 1.69 0.00 | 30.14 1.76 0.00 | 30.34 1.71 -2.35 | 31.71 1.83 -1.29 | 36.40 1.96 0.00 | 50.60 1.85 0.01 | 63.06 1.90 0.00 | 63.11 1.72 0.01 | 47.96 1.26 0.01 | 42.92 1.45 0.01 | 40.08 1.21 0.01 | 35.81 0.87 0.00 |
| GOLAH____69_KV_TB 1_2 80279 | 32.57 0.73 0.00 | 28.99 0.95 0.00 | 28.11 0.92 0.00 | 27.68 1.01 0.00 | 28.55 0.89 0.00 | 32.86 0.74 0.00 | 48.71 -0.44 0.00 | 56.39 -0.68 0.00 | 43.52 0.13 0.00 | 31.59 0.34 0.00 | 29.85 0.59 0.00 | 27.42 0.24 0.00 | 28.11 0.39 0.00 | 28.69 0.31 0.00 | 26.60 0.32 0.00 | 28.25 -0.34 0.00 | 33.95 -0.48 0.00 | 47.73 -1.02 0.00 | 61.59 0.43 0.00 | 61.22 -0.18 0.00 | 46.24 -0.47 0.00 | 40.69 -0.79 0.00 | 38.65 -0.23 0.00 | 35.50 0.56 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 32.60 0.76 0.00 | 28.71 0.67 0.00 | 27.86 0.68 0.00 | 27.30 0.64 0.00 | 28.35 0.69 0.00 | 32.89 0.77 0.00 | 50.38 1.23 0.00 | 62.90 5.82 0.00 | 45.55 2.17 0.00 | 30.96 -0.28 0.00 | 28.21 -1.05 0.00 | 25.81 -1.36 0.00 | 26.50 -1.22 0.00 | 27.13 -1.25 0.00 | 25.43 -1.45 -0.59 | 29.26 0.34 -0.33 | 34.85 0.41 0.00 | 49.68 0.93 0.00 | 62.63 1.47 0.00 | 62.88 1.47 0.00 | 47.78 1.07 0.00 | 42.43 0.95 0.00 | 39.70 0.82 0.00 | 35.60 0.66 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 32.28 0.45 0.00 | 28.48 0.45 0.00 | 27.62 0.43 0.00 | 27.14 0.48 0.00 | 28.11 0.44 0.00 | 32.54 0.42 0.00 | 49.20 0.05 0.00 | 57.30 0.23 0.00 | 43.69 0.30 0.00 | 31.55 0.31 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.78 0.24 0.74 | 28.19 0.00 0.41 | 34.40 -0.03 0.00 | 48.61 -0.15 0.00 | 61.71 0.55 0.00 | 61.65 0.25 0.00 | 46.71 0.00 0.00 | 41.35 -0.12 0.00 | 38.81 -0.08 0.00 | 35.15 0.21 0.00 |

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|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|
| GOUDEY___7 23579 | 32.28 0.45 0.00 | 28.48 0.45 0.00 | 27.62 0.43 0.00 | 27.14 0.48 0.00 | 28.11 0.44 0.00 | 32.54 0.42 0.00 | 49.20 0.05 0.00 | 57.30 0.23 0.00 | 43.69 0.30 0.00 | 31.55 0.31 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.78 0.24 0.74 | 28.19 0.00 0.41 | 34.40 -0.03 0.00 | 48.61 -0.15 0.00 | 61.71 0.55 0.00 | 61.65 0.25 0.00 | 46.71 0.00 0.00 | 41.35 -0.12 0.00 | 38.81 -0.08 0.00 | 35.15 0.21 0.00 |
| GOUDEY___8 23580 | 32.28 0.45 0.00 | 28.48 0.45 0.00 | 27.62 0.43 0.00 | 27.14 0.48 0.00 | 28.11 0.44 0.00 | 32.54 0.42 0.00 | 49.20 0.05 0.00 | 57.30 0.23 0.00 | 43.69 0.30 0.00 | 31.55 0.31 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.78 0.24 0.74 | 28.19 0.00 0.41 | 34.40 -0.03 0.00 | 48.61 -0.15 0.00 | 61.71 0.55 0.00 | 61.65 0.25 0.00 | 46.71 0.00 0.00 | 41.35 -0.12 0.00 | 38.81 -0.08 0.00 | 35.15 0.21 0.00 |
| GOWANUS_GT1_1 24077 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT1_2 24078 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT1_3 24079 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT1_4 24080 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT1_5 24084 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT1_6 24111 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT1_7 24112 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT1_8 24113 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT2_1 24114 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT2_2 24115 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT2_3 24116 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT2_4 24117 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT2_5 24118 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |

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|------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|
| GOWANUS_GT2_6 24119 | 33.69 <u>1.85</u> -0.01 | 29.50 <u>1.46</u> -0.01 | 28.50 <u>1.30</u> -0.01 | 27.93 <u>1.25</u> -0.01 | 28.97 <u>1.30</u> -0.01 | 33.60 <u>1.48</u> -0.01 | 51.12 <u>1.97</u> 0.00 | 59.87 <u>2.80</u> 0.00 | 45.90 <u>2.52</u> 0.00 | 33.19 <u>1.94</u> -0.01 | 31.11 <u>1.84</u> -0.01 | 29.00 <u>1.82</u> -0.01 | 29.58 <u>1.86</u> -0.01 | 30.32 <u>1.93</u> -0.01 | 30.50 <u>1.87</u> -2.36 | 31.92 <u>2.03</u> -1.29 | 36.72 <u>2.27</u> -0.01 | 50.75 <u>2.00</u> 0.00 | 63.24 <u>2.08</u> 0.00 | 63.24 <u>1.84</u> 0.00 | 48.20 <u>1.49</u> 0.00 | 43.30 <u>1.82</u> 0.00 | 40.40 <u>1.51</u> 0.00 | 36.31 <u>1.36</u> -0.01 |
| GOWANUS_GT2_7 24120 | 33.69 <u>1.85</u> -0.01 | 29.50 <u>1.46</u> -0.01 | 28.50 <u>1.30</u> -0.01 | 27.93 <u>1.25</u> -0.01 | 28.97 <u>1.30</u> -0.01 | 33.60 <u>1.48</u> -0.01 | 51.12 <u>1.97</u> 0.00 | 59.87 <u>2.80</u> 0.00 | 45.90 <u>2.52</u> 0.00 | 33.19 <u>1.94</u> -0.01 | 31.11 <u>1.84</u> -0.01 | 29.00 <u>1.82</u> -0.01 | 29.58 <u>1.86</u> -0.01 | 30.32 <u>1.93</u> -0.01 | 30.50 <u>1.87</u> -2.36 | 31.92 <u>2.03</u> -1.29 | 36.72 <u>2.27</u> -0.01 | 50.75 <u>2.00</u> 0.00 | 63.24 <u>2.08</u> 0.00 | 63.24 <u>1.84</u> 0.00 | 48.20 <u>1.49</u> 0.00 | 43.30 <u>1.82</u> 0.00 | 40.40 <u>1.51</u> 0.00 | 36.31 <u>1.36</u> -0.01 |
| GOWANUS_GT2_8 24121 | 33.69 <u>1.85</u> -0.01 | 29.50 <u>1.46</u> -0.01 | 28.50 <u>1.30</u> -0.01 | 27.93 <u>1.25</u> -0.01 | 28.97 <u>1.30</u> -0.01 | 33.60 <u>1.48</u> -0.01 | 51.12 <u>1.97</u> 0.00 | 59.87 <u>2.80</u> 0.00 | 45.90 <u>2.52</u> 0.00 | 33.19 <u>1.94</u> -0.01 | 31.11 <u>1.84</u> -0.01 | 29.00 <u>1.82</u> -0.01 | 29.58 <u>1.86</u> -0.01 | 30.32 <u>1.93</u> -0.01 | 30.50 <u>1.87</u> -2.36 | 31.92 <u>2.03</u> -1.29 | 36.72 <u>2.27</u> -0.01 | 50.75 <u>2.00</u> 0.00 | 63.24 <u>2.08</u> 0.00 | 63.24 <u>1.84</u> 0.00 | 48.20 <u>1.49</u> 0.00 | 43.30 <u>1.82</u> 0.00 | 40.40 <u>1.51</u> 0.00 | 36.31 <u>1.36</u> -0.01 |
| GOWANUS_GT3_1 24122 | 33.69 <u>1.85</u> -0.01 | 29.50 <u>1.46</u> -0.01 | 28.50 <u>1.30</u> -0.01 | 27.93 <u>1.25</u> -0.01 | 28.97 <u>1.30</u> -0.01 | 33.60 <u>1.48</u> -0.01 | 51.12 <u>1.97</u> 0.00 | 59.87 <u>2.80</u> 0.00 | 45.90 <u>2.52</u> 0.00 | 33.19 <u>1.94</u> -0.01 | 31.11 <u>1.84</u> -0.01 | 29.00 <u>1.82</u> -0.01 | 29.58 <u>1.86</u> -0.01 | 30.32 <u>1.93</u> -0.01 | 30.50 <u>1.87</u> -2.36 | 31.92 <u>2.03</u> -1.29 | 36.72 <u>2.27</u> -0.01 | 50.75 <u>2.00</u> 0.00 | 63.24 <u>2.08</u> 0.00 | 63.24 <u>1.84</u> 0.00 | 48.20 <u>1.49</u> 0.00 | 43.30 <u>1.82</u> 0.00 | 40.40 <u>1.51</u> 0.00 | 36.31 <u>1.36</u> -0.01 |
| GOWANUS_GT3_2 24123 | 33.69 <u>1.85</u> -0.01 | 29.50 <u>1.46</u> -0.01 | 28.50 <u>1.30</u> -0.01 | 27.93 <u>1.25</u> -0.01 | 28.97 <u>1.30</u> -0.01 | 33.60 <u>1.48</u> -0.01 | 51.12 <u>1.97</u> 0.00 | 59.87 <u>2.80</u> 0.00 | 45.90 <u>2.52</u> 0.00 | 33.19 <u>1.94</u> -0.01 | 31.11 <u>1.84</u> -0.01 | 29.00 <u>1.82</u> -0.01 | 29.58 <u>1.86</u> -0.01 | 30.32 <u>1.93</u> -0.01 | 30.50 <u>1.87</u> -2.36 | 31.92 <u>2.03</u> -1.29 | 36.72 <u>2.27</u> -0.01 | 50.75 <u>2.00</u> 0.00 | 63.24 <u>2.08</u> 0.00 | 63.24 <u>1.84</u> 0.00 | 48.20 <u>1.49</u> 0.00 | 43.30 <u>1.82</u> 0.00 | 40.40 <u>1.51</u> 0.00 | 36.31 <u>1.36</u> -0.01 |
| GOWANUS_GT3_3 24124 | 33.69 <u>1.85</u> -0.01 | 29.50 <u>1.46</u> -0.01 | 28.50 <u>1.30</u> -0.01 | 27.93 <u>1.25</u> -0.01 | 28.97 <u>1.30</u> -0.01 | 33.60 <u>1.48</u> -0.01 | 51.12 <u>1.97</u> 0.00 | 59.87 <u>2.80</u> 0.00 | 45.90 <u>2.52</u> 0.00 | 33.19 <u>1.94</u> -0.01 | 31.11 <u>1.84</u> -0.01 | 29.00 <u>1.82</u> -0.01 | 29.58 <u>1.86</u> -0.01 | 30.32 <u>1.93</u> -0.01 | 30.50 <u>1.87</u> -2.36 | 31.92 <u>2.03</u> -1.29 | 36.72 <u>2.27</u> -0.01 | 50.75 <u>2.00</u> 0.00 | 63.24 <u>2.08</u> 0.00 | 63.24 <u>1.84</u> 0.00 | 48.20 <u>1.49</u> 0.00 | 43.30 <u>1.82</u> 0.00 | 40.40 <u>1.51</u> 0.00 | 36.31 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GOWANUS_GT4_5 24134 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT4_6 24135 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT4_7 24136 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GOWANUS_GT4_8 24137 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GREATVRV_69_KV_BK1 356245 | 33.33 1.50 0.00 | 28.87 0.84 0.00 | 27.92 0.73 0.00 | 27.36 0.69 0.00 | 28.18 0.53 0.01 | 32.60 0.51 0.03 | 46.93 0.34 2.56 | 47.56 0.68 10.20 | 44.77 1.39 0.01 | 31.73 1.28 0.80 | 30.52 1.26 0.00 | 28.48 1.30 0.00 | 29.16 1.44 0.00 | 30.08 1.70 0.00 | 30.18 1.55 -2.34 | 31.94 2.06 -1.28 | 36.67 2.24 0.00 | 50.45 1.71 0.01 | 62.93 1.77 0.01 | 63.74 2.33 0.00 | 48.02 1.31 0.00 | 43.26 1.78 0.00 | 40.21 1.32 0.00 | 35.67 0.73 0.00 |
| GREENBSH_115KV_TB3 55895 | 32.06 0.22 0.00 | 28.14 0.11 0.00 | 27.32 0.14 0.00 | 26.77 0.11 0.00 | 27.80 0.14 0.00 | 32.21 0.10 0.00 | 49.39 0.25 0.00 | 57.36 0.29 0.00 | 43.65 0.26 0.00 | 31.34 0.09 0.00 | 29.29 0.03 0.00 | 27.20 0.03 0.00 | 27.69 -0.03 0.00 | 28.38 0.00 0.00 | 27.09 0.11 -0.70 | 29.21 0.23 -0.39 | 34.68 0.24 0.00 | 49.14 0.39 0.00 | 61.35 0.18 0.00 | 61.59 0.18 0.00 | 46.85 0.14 0.00 | 41.56 0.08 0.00 | 38.96 0.08 0.00 | 35.01 0.07 0.00 |
| GREENDGE_115KV_TB5 80291 | 32.47 0.64 0.00 | 28.73 0.70 0.00 | 27.86 0.68 0.00 | 27.46 0.80 0.00 | 28.41 0.75 0.00 | 32.89 0.77 0.00 | 49.15 0.00 0.00 | 57.19 0.11 0.00 | 43.56 0.17 0.00 | 31.62 0.37 0.00 | 29.73 0.47 0.00 | 27.36 0.19 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 25.98 0.18 0.48 | 28.19 -0.14 0.27 | 34.30 -0.14 0.00 | 48.27 -0.49 0.00 | 62.08 0.92 0.00 | 62.02 0.61 0.00 | 46.76 0.05 0.00 | 41.18 -0.29 0.00 | 38.96 0.08 0.00 | 35.46 0.52 0.00 |
| GREENIDGE___3 23582 | 32.47 0.64 0.00 | 28.73 0.70 0.00 | 27.86 0.68 0.00 | 27.46 0.80 0.00 | 28.41 0.75 0.00 | 32.89 0.77 0.00 | 49.15 0.00 0.00 | 57.19 0.11 0.00 | 43.56 0.17 0.00 | 31.62 0.37 0.00 | 29.73 0.47 0.00 | 27.36 0.19 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 25.98 0.18 0.48 | 28.19 -0.14 0.27 | 34.30 -0.14 0.00 | 48.27 -0.49 0.00 | 62.08 0.92 0.00 | 62.02 0.61 0.00 | 46.76 0.05 0.00 | 41.18 -0.29 0.00 | 38.96 0.08 0.00 | 35.46 0.52 0.00 |
| GREENIDGE___4 23583 | 32.47 0.64 0.00 | 28.73 0.70 0.00 | 27.89 0.71 0.00 | 27.46 0.80 0.00 | 28.41 0.75 0.00 | 32.89 0.77 0.00 | 49.20 0.05 0.00 | 57.25 0.17 0.00 | 43.56 0.17 0.00 | 31.62 0.38 0.00 | 29.73 0.47 0.00 | 27.36 0.19 0.00 | 28.02 0.31 0.00 | 28.63 0.25 0.00 | 25.98 0.19 0.48 | 28.18 -0.14 0.27 | 34.30 -0.14 0.00 | 48.27 -0.49 0.00 | 62.08 0.92 0.00 | 62.08 0.68 0.00 | 46.76 0.05 0.00 | 41.19 -0.29 0.00 | 39.08 0.20 0.00 | 35.49 0.56 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 33.05 1.21 0.00 | 28.71 0.67 0.00 | 27.76 0.57 0.00 | 27.17 0.51 0.00 | 28.04 0.39 0.01 | 32.50 0.39 0.00 | 46.84 0.29 2.60 | 47.35 0.63 10.35 | 44.38 1.00 0.01 | 31.99 0.53 -0.22 | 30.43 1.17 0.00 | 28.42 1.25 0.00 | 29.10 1.39 0.00 | 29.97 1.59 0.00 | 30.10 1.47 -2.34 | 31.74 1.86 -1.28 | 36.40 1.96 0.00 | 49.62 0.88 0.01 | 61.89 0.73 0.01 | 62.45 1.04 0.00 | 47.18 0.47 0.00 | 42.68 1.20 0.00 | 39.93 1.05 0.00 | 35.50 0.56 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |
| GRISSOM___SOLAR 323813 | 32.76 0.92 0.00 | 28.79 0.76 0.00 | 27.97 0.79 0.00 | 27.44 0.77 0.00 | 28.49 0.83 0.00 | 33.18 1.06 0.00 | 51.06 1.91 0.00 | 59.82 2.74 0.00 | 43.99 0.61 0.00 | 30.37 -0.87 0.00 | 27.89 -1.37 0.00 | 25.62 -1.55 0.00 | 26.00 -1.72 0.00 | 26.67 -1.70 0.00 | 25.41 -1.47 -0.59 | 27.74 -0.86 0.00 | 33.85 -0.59 0.00 | 49.63 0.88 0.00 | 63.36 2.20 0.00 | 63.68 2.27 0.00 | 48.39 1.68 0.00 | 42.80 1.33 0.00 | 40.09 1.21 0.00 | 35.88 0.94 0.00 |
| GROVEVILLE___HYD 323602 | 33.30 1.46 0.00 | 29.21 1.18 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.71 1.05 0.00 | 33.31 1.19 0.00 | 51.12 1.97 0.00 | 59.53 2.45 0.00 | 45.38 2.00 0.00 | 32.74 1.50 0.00 | 30.58 1.32 0.00 | 28.50 1.33 0.00 | 29.13 1.41 0.00 | 29.88 1.50 0.00 | 30.33 1.45 -2.60 | 31.60 1.57 -1.43 | 36.19 1.76 0.00 | 51.00 2.24 0.00 | 63.79 2.63 0.00 | 63.92 2.52 0.00 | 48.53 1.82 0.00 | 43.22 1.74 0.00 | 40.32 1.44 0.00 | 36.09 1.15 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.58 -0.08 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.90 -0.17 0.00 | 43.21 -0.17 0.00 | 31.12 -0.12 0.00 | 29.17 -0.09 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.37 -0.23 0.00 | 34.16 -0.28 0.00 | 48.31 -0.44 0.00 | 60.98 -0.18 0.00 | 61.22 -0.18 0.00 | 46.43 -0.28 0.00 | 41.14 -0.33 0.00 | 38.53 -0.35 0.00 | 34.73 -0.21 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 31.84 0.00 0.00 | 28.06 0.03 0.00 | 27.21 0.03 0.00 | 26.74 0.08 0.00 | 27.72 0.06 0.00 | 32.15 0.03 0.00 | 48.95 -0.20 0.00 | 56.96 -0.11 0.00 | 43.34 -0.04 0.00 | 31.21 -0.03 0.00 | 29.26 0.00 0.00 | 27.09 -0.08 0.00 | 27.69 -0.03 0.00 | 28.32 -0.06 0.00 | 26.20 -0.08 0.00 | 28.40 -0.20 0.00 | 34.19 -0.24 0.00 | 48.36 -0.39 0.00 | 61.23 0.06 0.00 | 61.40 0.00 0.00 | 46.52 -0.19 0.00 | 41.18 -0.29 0.00 | 38.61 -0.27 0.00 | 34.83 -0.10 0.00 |

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| HAMPSHIRE___PAPER_HYD 323593 | 32.19 0.35 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 26.90 0.24 0.00 | 28.02 0.36 0.00 | 32.82 0.71 0.00 | 50.48 1.33 0.00 | 58.62 1.54 0.00 | 43.95 0.56 0.00 | 31.43 0.19 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.91 0.20 0.00 | 28.55 0.17 0.00 | 26.26 -0.03 0.00 | 28.68 0.09 0.00 | 34.64 0.21 0.00 | 49.49 0.73 0.00 | 62.39 1.22 0.00 | 63.06 1.66 0.00 | 48.30 1.59 0.00 | 43.09 1.62 0.00 | 40.44 1.56 0.00 | 36.13 1.19 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 33.17 1.34 0.00 | 29.21 1.18 0.00 | 28.35 1.17 0.00 | 27.81 1.15 0.00 | 28.88 1.22 0.00 | 33.56 1.45 0.00 | 51.36 2.21 0.00 | 59.70 2.63 0.00 | 45.34 1.95 0.00 | 32.62 1.37 0.00 | 30.52 1.26 0.00 | 28.31 1.14 0.00 | 28.94 1.22 0.00 | 29.62 1.25 0.00 | 27.41 1.13 0.00 | 29.85 1.26 0.00 | 35.91 1.48 0.00 | 50.95 2.20 0.00 | 63.98 2.82 0.00 | 64.23 2.83 0.00 | 48.86 2.15 0.00 | 43.46 1.99 0.00 | 40.75 1.87 0.00 | 36.61 1.68 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 33.14 1.31 0.00 | 29.04 1.01 0.00 | 28.11 0.92 0.00 | 27.54 0.88 0.00 | 28.55 0.89 0.00 | 33.11 1.00 0.00 | 50.72 1.57 0.00 | 59.13 2.05 0.00 | 45.12 1.74 0.00 | 32.62 1.37 0.00 | 30.55 1.29 0.00 | 28.45 1.28 0.00 | 29.08 1.36 0.00 | 29.82 1.45 0.00 | 32.25 1.39 -4.57 | 32.59 1.49 -2.51 | 36.05 1.62 0.00 | 50.70 1.95 0.00 | 63.43 2.26 0.00 | 63.55 2.15 0.00 | 48.20 1.49 0.00 | 42.97 1.49 0.00 | 40.05 1.17 0.00 | 35.85 0.91 0.00 |
| HARSNRAD_115KV_TB1 81005 | 32.44 0.60 0.00 | 29.24 1.21 0.00 | 28.35 1.17 0.00 | 27.81 1.15 0.00 | 28.63 0.97 0.00 | 32.57 0.45 0.00 | 47.23 -1.92 0.00 | 54.28 -2.80 0.00 | 42.43 -0.95 0.00 | 31.09 -0.16 0.00 | 29.61 0.35 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.95 0.05 0.38 | 27.44 -0.94 0.21 | 33.06 -1.38 0.00 | 46.17 -2.58 0.00 | 60.00 -1.16 0.00 | 59.25 -2.15 0.00 | 44.70 -2.01 0.00 | 39.19 -2.28 0.00 | 37.64 -1.24 0.00 | 35.04 0.10 0.00 |
| HARZA MOOSE___RIVER 24016 | 32.22 0.38 0.00 | 28.42 0.39 0.00 | 27.65 0.46 0.00 | 26.93 0.27 0.00 | 28.05 0.39 0.00 | 32.79 0.67 0.00 | 50.38 1.23 0.00 | 58.62 1.54 0.00 | 44.08 0.69 0.00 | 31.52 0.28 0.00 | 29.41 0.15 0.00 | 27.25 0.08 0.00 | 28.05 0.33 0.00 | 28.69 0.31 0.00 | 26.44 0.16 0.00 | 28.88 0.29 0.00 | 34.85 0.41 0.00 | 49.83 1.07 0.00 | 62.82 1.65 0.00 | 63.37 1.96 0.00 | 48.25 1.54 0.00 | 42.84 1.37 0.00 | 40.13 1.24 0.00 | 35.92 0.98 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 31.55 -0.29 0.00 | 27.78 -0.25 0.00 | 26.94 -0.24 0.00 | 26.45 -0.21 0.00 | 27.41 -0.25 0.00 | 31.83 -0.29 0.00 | 48.61 -0.54 0.00 | 56.56 -0.51 0.00 | 42.99 -0.39 0.00 | 30.96 -0.28 0.00 | 29.03 -0.23 0.00 | 26.90 -0.27 0.00 | 27.47 -0.25 0.00 | 28.12 -0.26 0.00 | 26.02 -0.26 0.00 | 28.25 -0.34 0.00 | 33.99 -0.45 0.00 | 48.02 -0.73 0.00 | 60.55 -0.61 0.00 | 60.73 -0.68 0.00 | 46.06 -0.65 0.00 | 40.85 -0.62 0.00 | 38.30 -0.58 0.00 | 34.52 -0.42 0.00 |
| HELLGATE_13_KV_LD 55870 | 33.76 1.91 -0.01 | 29.55 1.51 -0.01 | 28.55 1.36 -0.01 | 27.98 1.31 -0.01 | 29.00 1.33 -0.01 | 33.64 1.51 -0.01 | 51.16 2.02 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.34 2.09 -0.01 | 31.32 2.05 -0.01 | 29.19 2.01 -0.01 | 29.78 2.05 -0.01 | 30.51 2.13 -0.01 | 30.69 2.05 -2.36 | 32.09 2.20 -1.29 | 36.85 2.41 -0.01 | 51.00 2.24 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.44 1.73 0.00 | 43.42 1.95 0.00 | 40.67 1.79 0.00 | 36.38 1.43 -0.01 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 33.76 1.91 -0.01 | 29.55 1.51 -0.01 | 28.55 1.36 -0.01 | 27.98 1.31 -0.01 | 29.00 1.33 -0.01 | 33.64 1.51 -0.01 | 51.16 2.02 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.34 2.09 -0.01 | 31.32 2.05 -0.01 | 29.19 2.01 -0.01 | 29.78 2.05 -0.01 | 30.51 2.13 -0.01 | 30.69 2.05 -2.36 | 32.09 2.20 -1.29 | 36.85 2.41 -0.01 | 51.00 2.24 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.44 1.73 0.00 | 43.42 1.95 0.00 | 40.67 1.79 0.00 | 36.38 1.43 -0.01 |
| HEMPSTEAD____ 23647 | 33.05 1.21 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.23 0.56 0.00 | 28.13 0.47 0.01 | 32.62 0.51 0.01 | 48.63 0.78 1.30 | 52.93 1.08 5.22 | 44.73 1.35 0.01 | 32.27 1.03 0.01 | 30.46 1.20 0.00 | 28.45 1.28 0.00 | 29.10 1.39 0.00 | 29.94 1.56 0.00 | 30.07 1.44 -2.34 | 31.65 1.77 -1.28 | 36.33 1.89 0.00 | 50.06 1.32 0.01 | 62.45 1.29 0.01 | 62.94 1.54 0.00 | 47.59 0.89 0.00 | 42.72 1.24 0.00 | 39.86 0.97 0.00 | 35.53 0.59 0.00 |
| HICKLING___1 23621 | 32.54 0.70 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.47 0.80 0.00 | 32.89 0.77 0.00 | 49.15 0.00 0.00 | 57.13 0.06 0.00 | 43.65 0.26 0.00 | 31.59 0.34 0.00 | 29.79 0.53 0.00 | 27.39 0.22 0.00 | 28.05 0.33 0.00 | 28.63 0.26 0.00 | 25.88 0.21 0.61 | 28.01 -0.26 0.33 | 34.09 -0.34 0.00 | 48.17 -0.59 0.00 | 62.02 0.86 0.00 | 61.77 0.37 0.00 | 46.57 -0.14 0.00 | 41.06 -0.41 0.00 | 38.69 -0.19 0.00 | 35.36 0.42 0.00 |
| HICKLING___2 23622 | 32.54 0.70 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.47 0.80 0.00 | 32.89 0.77 0.00 | 49.15 0.00 0.00 | 57.13 0.06 0.00 | 43.65 0.26 0.00 | 31.59 0.34 0.00 | 29.79 0.53 0.00 | 27.39 0.22 0.00 | 28.05 0.33 0.00 | 28.63 0.26 0.00 | 25.88 0.21 0.61 | 28.01 -0.26 0.33 | 34.09 -0.34 0.00 | 48.17 -0.59 0.00 | 62.02 0.86 0.00 | 61.77 0.37 0.00 | 46.57 -0.14 0.00 | 41.06 -0.41 0.00 | 38.69 -0.19 0.00 | 35.36 0.42 0.00 |
| HIGH FALLS___HY 23754 | 33.46 1.62 0.00 | 29.32 1.29 0.00 | 28.38 1.20 0.00 | 27.78 1.12 0.00 | 28.83 1.16 0.00 | 33.40 1.28 0.00 | 51.31 2.16 0.00 | 59.82 2.74 0.00 | 45.60 2.21 0.00 | 32.93 1.69 0.00 | 30.75 1.49 0.00 | 28.67 1.49 0.00 | 29.32 1.61 0.00 | 30.08 1.70 0.00 | 29.31 1.60 -1.42 | 31.12 1.74 -0.78 | 36.40 1.96 0.00 | 51.19 2.44 0.00 | 64.10 2.94 0.00 | 64.29 2.89 0.00 | 48.76 2.06 0.00 | 43.46 1.99 0.00 | 40.48 1.59 0.00 | 36.19 1.26 0.00 |
| HIGH_RIVER___SOLAR 323847 | 32.66 0.83 0.00 | 28.70 0.67 0.00 | 27.87 0.68 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.02 0.90 0.00 | 50.77 1.62 0.00 | 59.36 2.29 0.00 | 43.73 0.35 0.00 | 30.55 -0.69 0.00 | 28.27 -0.99 0.00 | 26.08 -1.09 0.00 | 26.53 -1.19 0.00 | 27.21 -1.16 0.00 | 25.85 -1.03 -0.59 | 28.20 -0.60 -0.20 | 33.92 -0.52 0.00 | 49.39 0.63 0.00 | 63.00 1.83 0.00 | 63.31 1.91 0.00 | 48.11 1.40 0.00 | 42.59 1.12 0.00 | 39.89 1.01 0.00 | 35.70 0.77 0.00 |
| HILLBURN___GT 23639 | 33.14 1.31 0.00 | 29.04 1.01 0.00 | 28.05 0.87 0.00 | 27.52 0.85 0.00 | 28.55 0.88 0.00 | 33.11 1.00 0.00 | 50.67 1.53 0.00 | 59.13 2.05 0.00 | 45.21 1.82 0.00 | 32.71 1.47 0.00 | 30.67 1.40 0.00 | 28.58 1.41 0.00 | 29.16 1.44 0.00 | 29.88 1.50 0.00 | 32.03 1.44 -4.30 | 32.50 1.54 -2.36 | 36.12 1.69 0.00 | 50.65 1.90 0.00 | 63.36 2.20 0.00 | 63.37 1.96 0.00 | 48.11 1.40 0.00 | 42.88 1.41 0.00 | 39.97 1.09 0.00 | 35.77 0.84 0.00 |
| HILLSIDE_115KV_TB1 80332 | 32.16 0.32 0.00 | 28.48 0.45 0.00 | 27.57 0.38 0.00 | 27.17 0.51 0.00 | 28.11 0.44 0.00 | 32.44 0.32 0.00 | 48.51 -0.64 0.00 | 56.39 -0.68 0.00 | 43.12 -0.26 0.00 | 31.27 0.03 0.00 | 29.47 0.20 0.00 | 27.15 -0.03 0.00 | 27.74 0.03 0.00 | 28.35 -0.03 0.00 | 25.63 -0.03 0.63 | 27.74 -0.51 0.34 | 33.75 -0.69 0.00 | 47.63 -1.12 0.00 | 61.16 0.00 0.00 | 60.85 -0.55 0.00 | 45.96 -0.75 0.00 | 40.52 -0.95 0.00 | 38.18 -0.70 0.00 | 34.87 -0.07 0.00 |

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| HISHELDN_WT_PWR 323625 | 32.47 0.64 0.00 | 28.96 0.92 0.00 | 28.11 0.92 0.00 | 27.84 1.17 0.00 | 28.66 0.99 0.00 | 32.76 0.64 0.00 | 47.97 -1.18 0.00 | 55.42 -1.66 0.00 | 42.74 -0.65 0.00 | 31.15 -0.09 0.00 | 29.61 0.35 0.00 | 27.09 -0.08 0.00 | 27.80 0.08 0.00 | 28.38 0.00 0.00 | 25.88 0.05 0.45 | 27.55 -0.80 0.25 | 33.33 -1.10 0.00 | 46.85 -1.90 0.00 | 60.86 -0.30 0.00 | 60.42 -0.98 0.00 | 45.40 -1.31 0.00 | 39.86 -1.62 0.00 | 38.22 -0.66 0.00 | 35.25 0.31 0.00 |
| HOLTSVILLE_IC_1 23690 | 32.73 0.89 0.00 | 28.37 0.34 0.00 | 27.38 0.19 0.00 | 26.90 0.24 0.00 | 27.68 0.03 0.01 | 32.07 0.00 0.05 | 46.49 0.05 2.71 | 46.58 0.29 10.78 | 44.16 0.78 0.01 | 30.21 0.72 1.75 | 30.11 0.85 0.00 | 28.10 0.92 0.00 | 28.77 1.05 0.00 | 29.68 1.31 0.00 | 29.81 1.18 -2.34 | 31.51 1.63 -1.28 | 36.09 1.65 0.00 | 49.52 0.78 0.01 | 61.77 0.61 0.01 | 62.44 1.04 0.00 | 47.18 0.47 0.00 | 42.35 0.87 0.00 | 39.55 0.66 0.00 | 35.08 0.14 0.00 |
| HOLTSVILLE_IC_10 23699 | 32.89 1.05 0.00 | 28.48 0.45 0.00 | 27.48 0.30 0.00 | 27.01 0.35 0.00 | 27.79 0.14 0.01 | 32.20 0.13 0.05 | 46.68 0.20 2.67 | 46.95 0.51 10.64 | 44.33 0.95 0.01 | 30.41 0.84 1.68 | 30.23 0.96 0.00 | 28.20 1.03 0.00 | 28.88 1.16 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.82 0.00 | 49.82 1.07 0.01 | 62.13 0.98 0.01 | 62.87 1.47 0.00 | 47.45 0.75 0.00 | 42.59 1.12 0.00 | 39.70 0.82 0.00 | 35.22 0.28 0.00 |
| HOLTSVILLE_IC_2 23691 | 32.73 0.89 0.00 | 28.37 0.34 0.00 | 27.38 0.19 0.00 | 26.90 0.24 0.00 | 27.68 0.03 0.01 | 32.07 0.00 0.05 | 46.49 0.05 2.71 | 46.58 0.29 10.78 | 44.16 0.78 0.01 | 30.21 0.72 1.75 | 30.11 0.85 0.00 | 28.10 0.92 0.00 | 28.77 1.05 0.00 | 29.68 1.31 0.00 | 29.81 1.18 -2.34 | 31.51 1.63 -1.28 | 36.09 1.65 0.00 | 49.52 0.78 0.01 | 61.77 0.61 0.01 | 62.44 1.04 0.00 | 47.18 0.47 0.00 | 42.35 0.87 0.00 | 39.55 0.66 0.00 | 35.08 0.14 0.00 |
| HOLTSVILLE_IC_3 23692 | 32.73 0.89 0.00 | 28.37 0.34 0.00 | 27.38 0.19 0.00 | 26.90 0.24 0.00 | 27.68 0.03 0.01 | 32.07 0.00 0.05 | 46.49 0.05 2.71 | 46.58 0.29 10.78 | 44.16 0.78 0.01 | 30.21 0.72 1.75 | 30.11 0.85 0.00 | 28.10 0.92 0.00 | 28.77 1.05 0.00 | 29.68 1.31 0.00 | 29.81 1.18 -2.34 | 31.51 1.63 -1.28 | 36.09 1.65 0.00 | 49.52 0.78 0.01 | 61.77 0.61 0.01 | 62.44 1.04 0.00 | 47.18 0.47 0.00 | 42.35 0.87 0.00 | 39.55 0.66 0.00 | 35.08 0.14 0.00 |
| HOLTSVILLE_IC_4 23693 | 32.73 0.89 0.00 | 28.37 0.34 0.00 | 27.38 0.19 0.00 | 26.90 0.24 0.00 | 27.68 0.03 0.01 | 32.07 0.00 0.05 | 46.49 0.05 2.71 | 46.58 0.29 10.78 | 44.16 0.78 0.01 | 30.21 0.72 1.75 | 30.11 0.85 0.00 | 28.10 0.92 0.00 | 28.77 1.05 0.00 | 29.68 1.31 0.00 | 29.81 1.18 -2.34 | 31.51 1.63 -1.28 | 36.09 1.65 0.00 | 49.52 0.78 0.01 | 61.77 0.61 0.01 | 62.44 1.04 0.00 | 47.18 0.47 0.00 | 42.35 0.87 0.00 | 39.55 0.66 0.00 | 35.08 0.14 0.00 |
| HOLTSVILLE_IC_5 23694 | 32.73 0.89 0.00 | 28.37 0.34 0.00 | 27.38 0.19 0.00 | 26.90 0.24 0.00 | 27.68 0.03 0.01 | 32.07 0.00 0.05 | 46.49 0.05 2.71 | 46.58 0.29 10.78 | 44.16 0.78 0.01 | 30.21 0.72 1.75 | 30.11 0.85 0.00 | 28.10 0.92 0.00 | 28.77 1.05 0.00 | 29.68 1.31 0.00 | 29.81 1.18 -2.34 | 31.51 1.63 -1.28 | 36.09 1.65 0.00 | 49.52 0.78 0.01 | 61.77 0.61 0.01 | 62.44 1.04 0.00 | 47.18 0.47 0.00 | 42.35 0.87 0.00 | 39.55 0.66 0.00 | 35.08 0.14 0.00 |
| HOLTSVILLE_IC_6 23695 | 32.89 1.05 0.00 | 28.48 0.45 0.00 | 27.48 0.30 0.00 | 27.01 0.35 0.00 | 27.79 0.14 0.01 | 32.20 0.13 0.05 | 46.68 0.20 2.67 | 46.95 0.51 10.64 | 44.33 0.95 0.01 | 30.41 0.84 1.68 | 30.23 0.96 0.00 | 28.20 1.03 0.00 | 28.88 1.16 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.82 0.00 | 49.82 1.07 0.01 | 62.13 0.98 0.01 | 62.87 1.47 0.00 | 47.45 0.75 0.00 | 42.59 1.12 0.00 | 39.70 0.82 0.00 | 35.22 0.28 0.00 |
| HOLTSVILLE_IC_7 23696 | 32.89 1.05 0.00 | 28.48 0.45 0.00 | 27.48 0.30 0.00 | 27.01 0.35 0.00 | 27.79 0.14 0.01 | 32.20 0.13 0.05 | 46.68 0.20 2.67 | 46.95 0.51 10.64 | 44.33 0.95 0.01 | 30.41 0.84 1.68 | 30.23 0.96 0.00 | 28.20 1.03 0.00 | 28.88 1.16 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.82 0.00 | 49.82 1.07 0.01 | 62.13 0.98 0.01 | 62.87 1.47 0.00 | 47.45 0.75 0.00 | 42.59 1.12 0.00 | 39.70 0.82 0.00 | 35.22 0.28 0.00 |
| HOLTSVILLE_IC_8 23697 | 32.89 1.05 0.00 | 28.48 0.45 0.00 | 27.48 0.30 0.00 | 27.01 0.35 0.00 | 27.79 0.14 0.01 | 32.20 0.13 0.05 | 46.68 0.20 2.67 | 46.95 0.51 10.64 | 44.33 0.95 0.01 | 30.41 0.84 1.68 | 30.23 0.96 0.00 | 28.20 1.03 0.00 | 28.88 1.16 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.82 0.00 | 49.82 1.07 0.01 | 62.13 0.98 0.01 | 62.87 1.47 0.00 | 47.45 0.75 0.00 | 42.59 1.12 0.00 | 39.70 0.82 0.00 | 35.22 0.28 0.00 |
| HOLTSVILLE_IC_9 23698 | 32.89 1.05 0.00 | 28.48 0.45 0.00 | 27.48 0.30 0.00 | 27.01 0.35 0.00 | 27.79 0.14 0.01 | 32.20 0.13 0.05 | 46.68 0.20 2.67 | 46.95 0.51 10.64 | 44.33 0.95 0.01 | 30.41 0.84 1.68 | 30.23 0.96 0.00 | 28.20 1.03 0.00 | 28.88 1.16 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.82 0.00 | 49.82 1.07 0.01 | 62.13 0.98 0.01 | 62.87 1.47 0.00 | 47.45 0.75 0.00 | 42.59 1.12 0.00 | 39.70 0.82 0.00 | 35.22 0.28 0.00 |
| HOMER_HL_115KV_TB2 355744 | 32.25 0.41 0.00 | 28.79 0.76 0.00 | 27.84 0.65 0.00 | 27.49 0.83 0.00 | 28.33 0.66 0.00 | 32.54 0.42 0.00 | 47.72 -1.43 0.00 | 55.14 -1.94 0.00 | 42.78 -0.61 0.00 | 31.30 0.06 0.00 | 29.64 0.38 0.00 | 27.17 0.00 0.00 | 27.83 0.11 0.00 | 28.35 -0.03 0.00 | 25.89 0.05 0.44 | 27.35 -1.00 0.24 | 33.44 -1.00 0.00 | 46.90 -1.85 0.00 | 61.04 -0.12 0.00 | 60.24 -1.17 0.00 | 45.31 -1.40 0.00 | 39.69 -1.78 0.00 | 37.72 -1.17 0.00 | 34.87 -0.07 0.00 |
| HOWARD_WT_PWR 323690 | 32.51 0.67 0.00 | 28.93 0.90 0.00 | 28.14 0.95 0.00 | 27.81 1.15 0.00 | 28.71 1.05 0.00 | 33.24 1.12 0.00 | 49.54 0.39 0.00 | 57.53 0.45 0.00 | 43.52 0.13 0.00 | 31.43 0.19 0.00 | 29.70 0.44 0.00 | 27.23 0.05 0.00 | 27.97 0.25 0.00 | 28.58 0.20 0.00 | 25.98 0.19 0.49 | 28.13 -0.20 0.26 | 34.12 -0.31 0.00 | 48.41 -0.34 0.00 | 62.87 1.71 0.00 | 62.69 1.29 0.00 | 47.13 0.42 0.00 | 41.43 -0.04 0.00 | 39.19 0.31 0.00 | 35.77 0.84 0.00 |
| HQ_GEN_CEDARS 23644 | 32.12 0.29 0.00 | 28.42 0.39 0.00 | 27.51 0.33 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.57 0.45 0.00 | 50.03 0.88 0.00 | 57.99 0.91 0.00 | 43.82 0.43 0.00 | 31.52 0.28 0.00 | 29.47 0.20 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.75 0.31 0.00 | 49.29 0.54 0.00 | 61.90 0.73 0.00 | 62.38 0.98 0.00 | 47.97 1.26 0.00 | 42.64 1.16 0.00 | 40.01 1.13 0.00 | 35.88 0.94 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 32.12 0.29 0.00 | 28.42 0.39 0.00 | 27.51 0.33 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.57 0.45 0.00 | 50.03 0.89 0.00 | 57.99 0.91 0.00 | 43.82 0.43 0.00 | 31.52 0.28 0.00 | 29.47 0.21 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.74 0.31 0.00 | 49.29 0.54 0.00 | 61.84 0.67 0.00 | 62.38 0.98 0.00 | 47.97 1.26 0.00 | 42.63 1.16 0.00 | 40.05 1.17 0.00 | 35.88 0.94 0.00 |

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| HQ_GEN_IMPORT 323601 | 31.90 0.06 0.00 | 28.14 0.11 0.00 | 27.27 0.08 0.00 | 26.72 0.05 0.00 | 27.75 0.08 0.00 | 32.28 0.16 0.00 | 49.45 0.30 0.00 | 57.36 0.29 0.00 | 43.56 0.17 0.00 | 31.37 0.13 0.00 | 29.35 0.09 0.00 | 27.28 0.11 0.00 | 27.83 0.11 0.00 | 28.46 0.09 0.00 | 26.33 0.05 0.00 | 28.65 0.06 0.00 | 34.57 0.14 0.00 | 48.95 0.20 0.00 | 61.41 0.25 0.00 | 61.71 0.31 0.00 | 47.08 0.37 0.00 | 41.80 0.33 0.00 | 39.23 0.35 0.00 | 35.22 0.28 0.00 |
| HQ_GEN_WHEEL 23651 | 31.90 0.06 0.00 | 28.14 0.11 0.00 | 27.27 0.08 0.00 | 26.72 0.05 0.00 | 27.75 0.08 0.00 | 32.28 0.16 0.00 | 49.45 0.30 0.00 | 57.36 0.29 0.00 | 43.56 0.17 0.00 | 31.37 0.13 0.00 | 29.35 0.09 0.00 | 27.28 0.11 0.00 | 27.83 0.11 0.00 | 28.46 0.09 0.00 | 26.33 0.05 0.00 | 28.65 0.06 0.00 | 34.57 0.14 0.00 | 48.95 0.20 0.00 | 61.41 0.25 0.00 | 61.71 0.31 0.00 | 47.08 0.37 0.00 | 41.80 0.33 0.00 | 39.23 0.35 0.00 | 35.22 0.28 0.00 |
| HUDSON AVE_GT_3 23810 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.07 1.92 0.00 | 59.59 2.51 0.00 | 45.60 2.21 0.00 | 33.09 1.84 0.00 | 31.08 1.81 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.47 1.84 -2.35 | 31.86 1.97 -1.29 | 36.60 2.17 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| HUDSON AVE_GT_4 23540 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.07 1.92 0.00 | 59.59 2.51 0.00 | 45.60 2.21 0.00 | 33.09 1.84 0.00 | 31.08 1.81 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.47 1.84 -2.35 | 31.86 1.97 -1.29 | 36.60 2.17 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| HUDSON AVE_GT_5 23657 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.07 1.92 0.00 | 59.59 2.51 0.00 | 45.60 2.21 0.00 | 33.09 1.84 0.00 | 31.08 1.81 0.00 | 28.97 1.79 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.47 1.84 -2.35 | 31.86 1.97 -1.29 | 36.60 2.17 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| HUDSON_AVE_10 24168 | 33.40 1.56 0.00 | 29.21 1.18 0.00 | 28.25 1.06 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.31 1.19 0.00 | 50.92 1.77 0.00 | 59.42 2.34 0.00 | 45.51 2.13 0.00 | 33.05 1.81 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.46 1.75 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.50 2.07 0.00 | 50.85 2.10 0.00 | 63.37 2.20 0.00 | 63.43 2.03 0.00 | 48.20 1.49 0.00 | 43.13 1.66 0.00 | 40.28 1.40 0.00 | 35.99 1.05 0.00 |
| HUDSON___115KV_TB 4 355613 | 32.60 0.76 0.00 | 28.65 0.62 0.00 | 27.81 0.63 0.00 | 27.25 0.59 0.00 | 28.30 0.64 0.00 | 32.82 0.71 0.00 | 50.43 1.28 0.00 | 58.45 1.37 0.00 | 44.25 0.87 0.00 | 31.55 0.31 0.00 | 29.41 0.15 0.00 | 27.25 0.08 0.00 | 27.74 0.03 0.00 | 28.46 0.09 0.00 | 27.38 0.32 -0.79 | 29.51 0.49 -0.43 | 34.95 0.52 0.00 | 49.92 1.17 0.00 | 62.63 1.47 0.00 | 62.94 1.54 0.00 | 47.83 1.12 0.00 | 42.39 0.91 0.00 | 39.70 0.82 0.00 | 35.64 0.70 0.00 |
| HUNTER MOUNT___DRP 323613 | 32.66 0.83 0.00 | 28.71 0.67 0.00 | 27.86 0.68 0.00 | 27.33 0.67 0.00 | 28.35 0.69 0.00 | 32.89 0.77 0.00 | 50.57 1.43 0.00 | 58.67 1.60 0.00 | 44.30 0.91 0.00 | 31.52 0.28 0.00 | 29.32 0.06 0.00 | 27.15 -0.03 0.00 | 27.66 -0.06 0.00 | 28.38 0.00 0.00 | 27.53 0.34 -0.90 | 29.63 0.54 -0.50 | 34.92 0.48 0.00 | 50.02 1.27 0.00 | 62.82 1.65 0.00 | 63.18 1.78 0.00 | 48.02 1.31 0.00 | 42.55 1.08 0.00 | 39.82 0.93 0.00 | 35.78 0.84 0.00 |
| HUNTINGTON_RES_REC 323705 | 32.98 1.14 0.00 | 28.59 0.56 0.00 | 27.59 0.41 0.00 | 27.09 0.43 0.00 | 27.90 0.25 0.01 | 32.29 0.26 0.08 | 46.70 0.20 2.65 | 47.04 0.51 10.55 | 44.46 1.09 0.01 | 28.73 0.62 3.13 | 30.31 1.05 0.00 | 28.31 1.14 0.00 | 28.97 1.25 0.00 | 29.88 1.50 0.00 | 29.99 1.37 -2.34 | 31.68 1.80 -1.28 | 36.33 1.89 0.00 | 49.72 0.97 0.01 | 61.95 0.79 0.01 | 62.63 1.23 0.00 | 47.27 0.56 0.00 | 42.51 1.04 0.00 | 39.82 0.93 0.00 | 35.36 0.42 0.00 |
| HUNTLEY___63 23557 | 32.82 0.99 0.00 | 29.24 1.21 0.00 | 28.35 1.17 0.00 | 28.13 1.47 0.00 | 28.94 1.27 0.00 | 32.92 0.80 0.00 | 47.58 -1.57 0.00 | 54.62 -2.45 0.00 | 42.69 -0.69 0.00 | 31.30 0.06 0.00 | 29.82 0.56 0.00 | 27.23 0.05 0.00 | 27.94 0.22 0.00 | 28.52 0.14 0.00 | 26.12 0.24 0.40 | 27.61 -0.77 0.22 | 33.26 -1.17 0.00 | 46.46 -2.29 0.00 | 60.37 -0.80 0.00 | 59.62 -1.78 0.00 | 44.93 -1.77 0.00 | 39.40 -2.07 0.00 | 37.84 -1.05 0.00 | 35.43 0.49 0.00 |
| HUNTLEY___64 23558 | 32.82 0.99 0.00 | 29.24 1.21 0.00 | 28.35 1.17 0.00 | 28.13 1.47 0.00 | 28.94 1.27 0.00 | 32.92 0.80 0.00 | 47.58 -1.57 0.00 | 54.62 -2.45 0.00 | 42.69 -0.69 0.00 | 31.30 0.06 0.00 | 29.82 0.56 0.00 | 27.23 0.05 0.00 | 27.94 0.22 0.00 | 28.52 0.14 0.00 | 26.12 0.24 0.40 | 27.61 -0.77 0.22 | 33.26 -1.17 0.00 | 46.46 -2.29 0.00 | 60.37 -0.80 0.00 | 59.62 -1.78 0.00 | 44.93 -1.77 0.00 | 39.40 -2.07 0.00 | 37.84 -1.05 0.00 | 35.43 0.49 0.00 |
| HUNTLEY___65 23559 | 32.82 0.99 0.00 | 29.24 1.21 0.00 | 28.35 1.17 0.00 | 28.13 1.47 0.00 | 28.94 1.27 0.00 | 32.92 0.80 0.00 | 47.58 -1.57 0.00 | 54.62 -2.45 0.00 | 42.69 -0.69 0.00 | 31.30 0.06 0.00 | 29.82 0.56 0.00 | 27.23 0.05 0.00 | 27.94 0.22 0.00 | 28.52 0.14 0.00 | 26.12 0.24 0.40 | 27.61 -0.77 0.22 | 33.26 -1.17 0.00 | 46.46 -2.29 0.00 | 60.37 -0.80 0.00 | 59.62 -1.78 0.00 | 44.93 -1.77 0.00 | 39.40 -2.07 0.00 | 37.84 -1.05 0.00 | 35.43 0.49 0.00 |
| HUNTLEY___66 23560 | 32.82 0.99 0.00 | 29.24 1.21 0.00 | 28.35 1.17 0.00 | 28.13 1.47 0.00 | 28.94 1.27 0.00 | 32.92 0.80 0.00 | 47.58 -1.57 0.00 | 54.62 -2.45 0.00 | 42.69 -0.69 0.00 | 31.30 0.06 0.00 | 29.82 0.56 0.00 | 27.23 0.05 0.00 | 27.94 0.22 0.00 | 28.52 0.14 0.00 | 26.12 0.24 0.40 | 27.61 -0.77 0.22 | 33.26 -1.17 0.00 | 46.46 -2.29 0.00 | 60.37 -0.80 0.00 | 59.62 -1.78 0.00 | 44.93 -1.77 0.00 | 39.40 -2.07 0.00 | 37.84 -1.05 0.00 | 35.43 0.49 0.00 |
| HUNTLEY___67 23561 | 32.51 0.67 0.00 | 29.04 1.01 0.00 | 28.14 0.95 0.00 | 27.84 1.17 0.00 | 28.63 0.97 0.00 | 32.63 0.51 0.00 | 47.33 -1.82 0.00 | 54.45 -2.63 0.00 | 42.52 -0.87 0.00 | 31.18 -0.06 0.00 | 29.70 0.44 0.00 | 27.15 -0.03 0.00 | 27.83 0.11 0.00 | 28.40 0.03 0.00 | 26.01 0.13 0.40 | 27.52 -0.86 0.22 | 33.20 -1.24 0.00 | 46.36 -2.39 0.00 | 60.12 -1.04 0.00 | 59.38 -2.03 0.00 | 44.79 -1.92 0.00 | 39.32 -2.16 0.00 | 37.68 -1.21 0.00 | 35.11 0.17 0.00 |
| HUNTLEY___68 23562 | 32.51 0.67 0.00 | 29.04 1.01 0.00 | 28.14 0.95 0.00 | 27.84 1.17 0.00 | 28.63 0.97 0.00 | 32.63 0.51 0.00 | 47.33 -1.82 0.00 | 54.45 -2.63 0.00 | 42.52 -0.87 0.00 | 31.18 -0.06 0.00 | 29.70 0.44 0.00 | 27.15 -0.03 0.00 | 27.83 0.11 0.00 | 28.40 0.03 0.00 | 26.01 0.13 0.40 | 27.52 -0.86 0.22 | 33.20 -1.24 0.00 | 46.36 -2.39 0.00 | 60.12 -1.04 0.00 | 59.38 -2.03 0.00 | 44.79 -1.92 0.00 | 39.32 -2.16 0.00 | 37.68 -1.21 0.00 | 35.11 0.17 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| HYLAND___LFGE 323620 | 33.68 1.85 0.00 | 29.91 1.88 0.00 | 29.03 1.85 0.00 | 28.64 1.97 0.00 | 29.60 1.94 0.00 | 34.18 2.06 0.00 | 51.17 2.02 0.00 | 59.47 2.40 0.00 | 44.94 1.56 0.00 | 32.12 0.87 0.00 | 30.20 0.94 0.00 | 27.58 0.41 0.00 | 28.24 0.53 0.00 | 28.80 0.43 0.00 | 26.25 0.39 0.43 | 28.39 0.03 0.24 | 34.74 0.31 0.00 | 49.58 0.83 0.00 | 65.08 3.92 0.00 | 65.15 3.75 0.00 | 48.91 2.20 0.00 | 42.88 1.41 0.00 | 40.59 1.71 0.00 | 37.00 2.06 0.00 |
| INDECK___CORINTH 23802 | 32.41 0.57 0.00 | 28.45 0.42 0.00 | 27.68 0.49 0.00 | 27.15 0.48 0.00 | 28.19 0.52 0.00 | 32.76 0.64 0.00 | 50.23 1.08 0.00 | 58.28 1.20 0.00 | 43.99 0.61 0.00 | 31.15 -0.09 0.00 | 29.82 0.55 0.00 | 27.58 0.41 0.00 | 27.94 0.22 0.00 | 28.69 0.31 0.00 | 27.33 0.42 -0.63 | 29.63 0.72 -0.31 | 34.40 -0.03 0.00 | 49.49 0.73 0.00 | 62.32 1.16 0.00 | 62.63 1.23 0.00 | 47.59 0.89 0.00 | 42.05 0.58 0.00 | 39.43 0.54 0.00 | 35.32 0.39 0.00 |
| INDECK___ILION 23567 | 32.60 0.76 0.00 | 28.71 0.67 0.00 | 27.86 0.68 0.00 | 27.33 0.67 0.00 | 28.35 0.69 0.00 | 32.95 0.84 0.00 | 50.43 1.28 0.00 | 58.62 1.54 0.00 | 44.51 1.13 0.00 | 32.02 0.78 0.00 | 29.96 0.70 0.00 | 27.80 0.62 0.00 | 28.41 0.69 0.00 | 29.09 0.71 0.00 | 26.91 0.63 0.00 | 29.31 0.71 0.00 | 35.30 0.86 0.00 | 50.02 1.27 0.00 | 62.82 1.65 0.00 | 63.06 1.66 0.00 | 47.92 1.21 0.00 | 42.59 1.12 0.00 | 39.93 1.05 0.00 | 35.85 0.91 0.00 |
| INDECK___OLEAN 23982 | 32.25 0.41 0.00 | 28.76 0.73 0.00 | 27.84 0.65 0.00 | 27.54 0.88 0.00 | 28.38 0.72 0.00 | 32.57 0.45 0.00 | 47.77 -1.38 0.00 | 55.31 -1.77 0.00 | 42.78 -0.61 0.00 | 31.30 0.06 0.00 | 29.67 0.41 0.00 | 27.17 0.00 0.00 | 27.83 0.11 0.00 | 28.35 -0.03 0.00 | 25.89 0.05 0.44 | 27.35 -1.00 0.25 | 33.44 -1.00 0.00 | 46.90 -1.85 0.00 | 61.04 -0.12 0.00 | 60.36 -1.04 0.00 | 45.31 -1.40 0.00 | 39.69 -1.78 0.00 | 37.91 -0.97 0.00 | 34.94 0.00 0.00 |
| INDECK___OSWEGO 23783 | 31.17 -0.67 0.00 | 27.44 -0.59 0.00 | 26.64 -0.54 0.00 | 26.13 -0.53 0.00 | 27.11 -0.55 0.00 | 31.48 -0.64 0.00 | 48.11 -1.03 0.00 | 55.93 -1.14 0.00 | 42.47 -0.91 0.00 | 30.58 -0.66 0.00 | 28.68 -0.58 0.00 | 26.57 -0.60 0.00 | 27.13 -0.58 0.00 | 27.78 -0.60 0.00 | 25.70 -0.58 0.00 | 27.94 -0.66 0.00 | 33.61 -0.83 0.00 | 47.63 -1.12 0.00 | 59.94 -1.22 0.00 | 60.17 -1.23 0.00 | 45.68 -1.03 0.00 | 40.56 -0.91 0.00 | 37.99 -0.89 0.00 | 34.17 -0.77 0.00 |
| INDECK___YERKES 23781 | 32.86 1.02 0.00 | 29.38 1.35 0.00 | 28.52 1.33 0.00 | 28.05 1.39 0.00 | 28.99 1.33 0.00 | 32.95 0.83 0.00 | 47.63 -1.52 0.00 | 54.91 -2.17 0.00 | 42.74 -0.65 0.00 | 31.30 0.06 0.00 | 29.85 0.58 0.00 | 27.25 0.08 0.00 | 27.97 0.25 0.00 | 28.55 0.17 0.00 | 26.15 0.26 0.40 | 27.63 -0.74 0.22 | 33.30 -1.14 0.00 | 46.51 -2.24 0.00 | 60.43 -0.73 0.00 | 59.87 -1.53 0.00 | 44.98 -1.73 0.00 | 39.44 -2.03 0.00 | 38.11 -0.78 0.00 | 35.53 0.59 0.00 |
| INDIAN POINT_GT_1 24139 | 33.14 1.31 0.00 | 29.01 0.98 0.00 | 28.06 0.87 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.05 0.93 0.00 | 50.62 1.47 0.00 | 59.02 1.94 0.00 | 45.12 1.74 0.00 | 32.65 1.41 0.00 | 30.64 1.38 0.00 | 28.53 1.36 0.00 | 29.13 1.41 0.00 | 29.85 1.48 0.00 | 30.28 1.42 -2.58 | 31.52 1.52 -1.41 | 36.12 1.69 0.00 | 50.61 1.85 0.00 | 63.24 2.08 0.00 | 63.31 1.90 0.00 | 48.06 1.35 0.00 | 42.84 1.37 0.00 | 40.01 1.13 0.00 | 35.78 0.84 0.00 |
| INDIAN POINT_GT_2 23659 | 33.14 1.31 0.00 | 29.01 0.98 0.00 | 28.06 0.87 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.05 0.93 0.00 | 50.62 1.47 0.00 | 59.02 1.94 0.00 | 45.12 1.74 0.00 | 32.65 1.41 0.00 | 30.64 1.38 0.00 | 28.53 1.36 0.00 | 29.13 1.41 0.00 | 29.85 1.48 0.00 | 30.28 1.42 -2.58 | 31.52 1.52 -1.41 | 36.12 1.69 0.00 | 50.61 1.85 0.00 | 63.24 2.08 0.00 | 63.31 1.90 0.00 | 48.06 1.35 0.00 | 42.84 1.37 0.00 | 40.01 1.13 0.00 | 35.78 0.84 0.00 |
| INDIAN POINT_GT_3 24019 | 33.14 1.31 0.00 | 29.01 0.98 0.00 | 28.06 0.87 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.05 0.93 0.00 | 50.62 1.47 0.00 | 59.02 1.94 0.00 | 45.12 1.74 0.00 | 32.65 1.41 0.00 | 30.64 1.38 0.00 | 28.53 1.36 0.00 | 29.13 1.41 0.00 | 29.85 1.48 0.00 | 30.28 1.42 -2.58 | 31.52 1.52 -1.41 | 36.12 1.69 0.00 | 50.61 1.85 0.00 | 63.24 2.08 0.00 | 63.31 1.90 0.00 | 48.06 1.35 0.00 | 42.84 1.37 0.00 | 40.01 1.13 0.00 | 35.78 0.84 0.00 |
| INDIAN POINT___2 23530 | 33.14 1.31 0.00 | 29.01 0.98 0.00 | 28.05 0.87 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.08 0.96 0.00 | 50.62 1.47 0.00 | 59.02 1.94 0.00 | 45.12 1.74 0.00 | 32.65 1.41 0.00 | 30.64 1.38 0.00 | 28.56 1.39 0.00 | 29.13 1.41 0.00 | 29.85 1.47 0.00 | 30.45 1.42 -2.75 | 31.62 1.51 -1.51 | 36.09 1.65 0.00 | 50.56 1.80 0.00 | 63.18 2.02 0.00 | 63.24 1.84 0.00 | 48.02 1.31 0.00 | 42.84 1.37 0.00 | 39.94 1.05 0.00 | 35.77 0.84 0.00 |
| INDIAN POINT___3 23531 | 33.14 1.31 0.00 | 29.01 0.98 0.00 | 28.06 0.87 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.05 0.93 0.00 | 50.62 1.47 0.00 | 59.02 1.94 0.00 | 45.08 1.69 0.00 | 32.65 1.41 0.00 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.13 1.41 0.00 | 29.85 1.48 0.00 | 30.26 1.42 -2.56 | 31.51 1.52 -1.40 | 36.12 1.69 0.00 | 50.61 1.85 0.00 | 63.18 2.02 0.00 | 63.24 1.84 0.00 | 48.02 1.31 0.00 | 42.84 1.37 0.00 | 40.01 1.13 0.00 | 35.78 0.84 0.00 |
| INGHAM_C_115KV_TB7 356103 | 33.59 1.75 0.00 | 29.60 1.57 0.00 | 28.71 1.52 0.00 | 28.16 1.49 0.00 | 29.24 1.58 0.00 | 33.95 1.83 0.00 | 51.95 2.80 0.00 | 60.39 3.31 0.00 | 45.86 2.47 0.00 | 32.99 1.75 0.00 | 30.87 1.61 0.00 | 28.64 1.47 0.00 | 29.27 1.55 0.00 | 29.97 1.59 0.00 | 27.73 1.45 0.00 | 30.17 1.57 0.00 | 36.33 1.89 0.00 | 51.53 2.78 0.00 | 64.71 3.55 0.00 | 64.96 3.56 0.00 | 49.37 2.66 0.00 | 43.92 2.45 0.00 | 41.22 2.33 0.00 | 37.03 2.10 0.00 |
| IP CORINTH___1 23988 | 32.57 0.73 0.00 | 28.62 0.59 0.00 | 27.81 0.63 0.00 | 27.30 0.64 0.00 | 28.35 0.69 0.00 | 32.95 0.84 0.00 | 50.53 1.38 0.00 | 58.56 1.48 0.00 | 44.25 0.87 0.00 | 31.34 0.09 0.00 | 29.82 0.56 0.00 | 27.58 0.41 0.00 | 27.94 0.22 0.00 | 28.69 0.31 0.00 | 27.33 0.42 -0.63 | 29.65 0.71 -0.34 | 34.61 0.17 0.00 | 49.73 0.98 0.00 | 62.69 1.53 0.00 | 63.00 1.60 0.00 | 47.88 1.17 0.00 | 42.30 0.83 0.00 | 39.70 0.82 0.00 | 35.53 0.59 0.00 |
| IP___TICONDEROGA 23804 | 33.81 1.97 0.00 | 29.71 1.68 0.00 | 28.87 1.69 0.00 | 28.34 1.68 0.00 | 29.46 1.80 0.00 | 34.30 2.18 0.00 | 52.69 3.54 0.00 | 60.96 3.88 0.00 | 45.86 2.47 0.00 | 32.02 0.78 0.00 | 30.23 0.97 0.00 | 27.85 0.68 0.00 | 28.13 0.42 0.00 | 28.92 0.54 0.00 | 27.60 0.68 -0.63 | 30.03 1.09 -0.35 | 35.33 0.90 0.00 | 51.43 2.68 0.00 | 65.26 4.10 0.00 | 65.70 4.30 0.00 | 49.93 3.22 0.00 | 43.96 2.49 0.00 | 41.26 2.37 0.00 | 36.93 1.99 0.00 |
| ISLIP_RES_REC 323679 | 33.02 1.18 0.00 | 28.56 0.53 0.00 | 27.59 0.41 0.00 | 27.09 0.43 0.00 | 27.88 0.22 0.01 | 32.30 0.23 0.04 | 46.85 0.35 2.65 | 47.22 0.69 10.55 | 44.50 1.13 0.01 | 30.68 0.94 1.50 | 30.31 1.05 0.00 | 28.29 1.11 0.00 | 28.97 1.25 0.00 | 29.91 1.53 0.00 | 30.02 1.39 -2.34 | 31.77 1.89 -1.28 | 36.40 1.96 0.00 | 50.06 1.32 0.01 | 62.44 1.29 0.01 | 63.18 1.78 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.86 0.97 0.00 | 35.36 0.42 0.00 |

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| JAMAICA__27_KV_LOAD 355505 | 33.52 1.69 0.00 | 29.29 1.26 0.00 | 28.30 1.11 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.40 1.28 0.00 | 51.02 1.87 0.00 | 59.64 2.57 0.00 | 45.77 2.39 0.00 | 33.24 2.00 0.00 | 31.08 1.81 0.00 | 28.99 1.82 0.00 | 29.57 1.86 0.00 | 30.31 1.93 0.00 | 30.50 1.87 -2.35 | 31.91 2.03 -1.29 | 36.64 2.20 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.67 2.27 0.00 | 48.34 1.63 0.00 | 43.30 1.82 0.00 | 40.48 1.59 0.00 | 36.12 1.19 0.00 |
| JANIS__SOLAR 323808 | 33.02 1.18 0.00 | 29.15 1.12 0.00 | 28.30 1.12 0.00 | 27.76 1.09 0.00 | 28.80 1.13 0.00 | 33.56 1.45 0.00 | 51.21 2.06 0.00 | 59.87 2.80 0.00 | 44.94 1.56 0.00 | 31.96 0.72 0.00 | 29.73 0.47 0.00 | 27.39 0.22 0.00 | 28.08 0.36 0.00 | 28.72 0.34 0.00 | 25.88 0.21 0.61 | 28.40 0.17 0.37 | 34.88 0.45 0.00 | 50.17 1.41 0.00 | 64.10 2.94 0.00 | 64.53 3.13 0.00 | 48.76 2.05 0.00 | 43.17 1.70 0.00 | 40.44 1.56 0.00 | 36.40 1.47 0.00 |
| JARVIS____ 23743 | 31.93 0.10 0.00 | 28.09 0.06 0.00 | 27.24 0.05 0.00 | 26.72 0.05 0.00 | 27.72 0.06 0.00 | 32.18 0.06 0.00 | 49.30 0.15 0.00 | 57.25 0.17 0.00 | 43.52 0.13 0.00 | 31.30 0.06 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.77 0.06 0.00 | 28.46 0.09 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.54 0.10 0.00 | 48.95 0.20 0.00 | 61.35 0.18 0.00 | 61.59 0.18 0.00 | 46.80 0.09 0.00 | 41.56 0.08 0.00 | 38.96 0.08 0.00 | 34.97 0.03 0.00 |
| JENNISON____1 23625 | 33.05 1.21 0.00 | 29.21 1.18 0.00 | 28.33 1.14 0.00 | 27.76 1.09 0.00 | 28.83 1.16 0.00 | 33.56 1.45 0.00 | 51.21 2.06 0.00 | 60.56 3.48 0.00 | 45.60 2.21 0.00 | 32.49 1.25 0.00 | 30.26 0.99 0.00 | 27.85 0.68 0.00 | 28.66 0.94 0.00 | 29.28 0.91 0.00 | 26.21 0.63 0.70 | 28.76 0.54 0.38 | 35.19 0.76 0.00 | 50.41 1.66 0.00 | 64.10 2.94 0.00 | 64.41 3.01 0.00 | 48.81 2.10 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.40 1.47 0.00 |
| JENNISON____2 23626 | 33.05 1.21 0.00 | 29.21 1.18 0.00 | 28.33 1.14 0.00 | 27.76 1.09 0.00 | 28.83 1.16 0.00 | 33.56 1.45 0.00 | 51.21 2.06 0.00 | 60.56 3.48 0.00 | 45.60 2.21 0.00 | 32.49 1.25 0.00 | 30.26 0.99 0.00 | 27.85 0.68 0.00 | 28.66 0.94 0.00 | 29.28 0.91 0.00 | 26.21 0.63 0.70 | 28.76 0.54 0.38 | 35.19 0.76 0.00 | 50.41 1.66 0.00 | 64.10 2.94 0.00 | 64.41 3.01 0.00 | 48.81 2.10 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.40 1.47 0.00 |
| JERICOHO_RISE_WT_PWR 323719 | 32.06 0.22 0.00 | 28.37 0.34 0.00 | 27.46 0.27 0.00 | 26.85 0.19 0.00 | 27.88 0.22 0.00 | 32.57 0.45 0.00 | 49.84 0.69 0.00 | 57.65 0.57 0.00 | 43.77 0.39 0.00 | 31.52 0.28 0.00 | 29.47 0.21 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.78 0.34 0.00 | 49.24 0.49 0.00 | 61.78 0.61 0.00 | 62.20 0.80 0.00 | 47.50 0.79 0.00 | 42.43 0.95 0.00 | 39.82 0.93 0.00 | 35.67 0.73 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 33.30 1.46 0.00 | 29.15 1.12 0.00 | 28.22 1.03 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.24 1.12 0.00 | 50.97 1.82 0.00 | 59.42 2.34 0.00 | 45.38 2.00 0.00 | 32.77 1.53 0.00 | 30.69 1.43 0.00 | 28.61 1.44 0.00 | 29.21 1.50 0.00 | 29.97 1.59 0.00 | 29.98 1.52 -2.17 | 31.42 1.63 -1.19 | 36.23 1.79 0.00 | 51.00 2.24 0.00 | 63.67 2.51 0.00 | 63.74 2.33 0.00 | 48.39 1.68 0.00 | 43.09 1.62 0.00 | 40.25 1.36 0.00 | 36.02 1.08 0.00 |
| KCE_NY_1 323755 | 32.86 1.02 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.52 0.85 0.00 | 28.55 0.88 0.00 | 33.15 1.03 0.00 | 50.87 1.72 0.00 | 59.02 1.94 0.00 | 44.69 1.30 0.00 | 31.77 0.53 0.00 | 29.76 0.50 0.00 | 27.55 0.38 0.00 | 27.97 0.25 0.00 | 28.72 0.34 0.00 | 27.34 0.42 -0.64 | 29.58 0.66 -0.32 | 35.09 0.65 0.00 | 50.27 1.51 0.00 | 63.24 2.08 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 42.72 1.24 0.00 | 40.05 1.17 0.00 | 35.91 0.98 0.00 |
| KCE_NY_6_ESR 323823 | 32.73 0.89 0.00 | 29.21 1.18 0.00 | 28.35 1.17 0.00 | 28.05 1.39 0.00 | 28.85 1.19 0.00 | 32.95 0.83 0.00 | 48.02 -1.13 0.00 | 55.42 -1.66 0.00 | 42.99 -0.39 0.00 | 31.49 0.25 0.00 | 29.96 0.70 0.00 | 27.39 0.22 0.00 | 28.10 0.39 0.00 | 28.69 0.31 0.00 | 26.24 0.37 0.41 | 27.76 -0.60 0.23 | 33.54 -0.90 0.00 | 46.90 -1.85 0.00 | 60.92 -0.24 0.00 | 60.42 -0.98 0.00 | 45.35 -1.36 0.00 | 39.73 -1.74 0.00 | 38.30 -0.58 0.00 | 35.46 0.52 0.00 |
| KEDC PORT_JEFF_GT2 24210 | 32.86 1.02 0.00 | 28.48 0.45 0.00 | 27.48 0.30 0.00 | 26.99 0.32 0.00 | 27.77 0.11 0.01 | 32.16 0.10 0.05 | 46.66 0.20 2.68 | 46.90 0.51 10.68 | 44.33 0.95 0.01 | 30.19 0.81 1.86 | 30.20 0.94 0.00 | 28.20 1.03 0.00 | 28.85 1.14 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.82 0.00 | 49.77 1.03 0.01 | 62.08 0.92 0.01 | 62.75 1.35 0.00 | 47.41 0.70 0.00 | 42.55 1.08 0.00 | 39.70 0.82 0.00 | 35.22 0.28 0.00 |
| KEDC PORT_JEFF_GT3 24211 | 32.86 1.02 0.00 | 28.48 0.45 0.00 | 27.48 0.30 0.00 | 26.99 0.32 0.00 | 27.77 0.11 0.01 | 32.16 0.10 0.05 | 46.66 0.20 2.68 | 46.90 0.51 10.68 | 44.33 0.95 0.01 | 30.19 0.81 1.86 | 30.20 0.94 0.00 | 28.20 1.03 0.00 | 28.85 1.14 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.82 0.00 | 49.77 1.03 0.01 | 62.08 0.92 0.01 | 62.75 1.35 0.00 | 47.41 0.70 0.00 | 42.55 1.08 0.00 | 39.70 0.82 0.00 | 35.22 0.28 0.00 |
| KEDC_GLWD_GT4 24219 | 33.30 1.47 0.00 | 29.04 1.01 0.00 | 28.05 0.87 0.00 | 27.52 0.85 0.00 | 28.46 0.80 0.00 | 33.01 0.90 0.00 | 49.70 1.43 0.87 | 55.00 1.48 3.55 | 45.20 1.82 0.00 | 32.65 1.41 0.00 | 30.78 1.52 0.00 | 28.72 1.55 0.00 | 29.35 1.63 0.00 | 30.14 1.76 0.00 | 30.28 1.66 -2.34 | 31.83 1.95 -1.28 | 36.54 2.10 0.00 | 50.36 1.61 0.00 | 62.81 1.65 0.00 | 63.12 1.72 0.00 | 47.78 1.08 0.00 | 43.09 1.62 0.00 | 40.17 1.28 0.00 | 35.84 0.91 0.00 |
| KEDC_GLWD_GT5 24220 | 33.30 1.47 0.00 | 29.04 1.01 0.00 | 28.05 0.87 0.00 | 27.52 0.85 0.00 | 28.46 0.80 0.00 | 33.01 0.90 0.00 | 49.70 1.43 0.87 | 55.00 1.48 3.55 | 45.20 1.82 0.00 | 32.65 1.41 0.00 | 30.78 1.52 0.00 | 28.72 1.55 0.00 | 29.35 1.63 0.00 | 30.14 1.76 0.00 | 30.28 1.66 -2.34 | 31.83 1.95 -1.28 | 36.54 2.10 0.00 | 50.36 1.61 0.00 | 62.81 1.65 0.00 | 63.12 1.72 0.00 | 47.78 1.08 0.00 | 43.09 1.62 0.00 | 40.17 1.28 0.00 | 35.84 0.91 0.00 |
| KENSICO____ 23655 | 33.24 1.40 0.00 | 29.10 1.07 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.15 1.03 0.00 | 50.82 1.67 0.00 | 59.19 2.11 0.00 | 45.25 1.87 0.00 | 32.77 1.53 0.00 | 30.75 1.49 0.00 | 28.67 1.49 0.00 | 29.24 1.52 0.00 | 29.97 1.59 0.00 | 30.23 1.55 -2.40 | 31.57 1.66 -1.31 | 36.26 1.83 0.00 | 50.75 2.00 0.00 | 63.37 2.20 0.00 | 63.43 2.03 0.00 | 48.16 1.45 0.00 | 42.97 1.49 0.00 | 40.13 1.24 0.00 | 35.88 0.94 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 33.37 1.53 0.00 | 29.24 1.21 0.00 | 28.30 1.11 0.00 | 27.73 1.07 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 51.21 2.06 0.00 | 59.64 2.57 0.00 | 45.42 2.04 0.00 | 32.77 1.53 0.00 | 30.58 1.32 0.00 | 28.50 1.33 0.00 | 29.16 1.44 0.00 | 29.91 1.53 0.00 | 28.74 1.45 -1.01 | 30.72 1.57 -0.55 | 36.23 1.79 0.00 | 51.04 2.29 0.00 | 63.92 2.75 0.00 | 64.10 2.70 0.00 | 48.67 1.96 0.00 | 43.34 1.87 0.00 | 40.36 1.48 0.00 | 36.12 1.19 0.00 |

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| KLAC_JFK_GT1 23816 | 33.33 1.50 0.00 | 29.15 1.12 0.00 | 28.16 0.98 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.24 1.12 0.00 | 50.53 1.38 0.00 | 59.07 2.00 0.00 | 45.51 2.13 0.00 | 33.09 1.84 0.00 | 30.93 1.67 0.00 | 28.86 1.68 0.00 | 29.41 1.69 0.00 | 30.16 1.79 0.00 | 30.37 1.73 -2.35 | 31.74 1.86 -1.29 | 36.47 2.03 0.00 | 50.51 1.76 0.00 | 62.94 1.77 0.00 | 63.00 1.60 0.00 | 47.88 1.17 0.00 | 43.05 1.58 0.00 | 40.25 1.36 0.00 | 35.92 0.98 0.00 |
| KIAC_JFK_GT2 23817 | 33.33 1.50 0.00 | 29.15 1.12 0.00 | 28.16 0.98 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.24 1.12 0.00 | 50.53 1.38 0.00 | 59.07 2.00 0.00 | 45.51 2.13 0.00 | 33.09 1.84 0.00 | 30.93 1.67 0.00 | 28.86 1.68 0.00 | 29.41 1.69 0.00 | 30.16 1.79 0.00 | 30.37 1.73 -2.35 | 31.74 1.86 -1.29 | 36.47 2.03 0.00 | 50.51 1.76 0.00 | 62.94 1.77 0.00 | 63.00 1.60 0.00 | 47.88 1.17 0.00 | 43.05 1.58 0.00 | 40.25 1.36 0.00 | 35.92 0.98 0.00 |
| KIAC_JFK____ 323774 | 33.33 1.50 0.00 | 29.15 1.12 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.27 1.15 0.00 | 50.52 1.37 0.00 | 59.13 2.05 0.00 | 45.55 2.17 0.00 | 33.08 1.84 0.00 | 30.93 1.67 0.00 | 28.86 1.69 0.00 | 29.41 1.69 0.00 | 30.17 1.79 0.00 | 30.37 1.73 -2.35 | 31.74 1.86 -1.29 | 36.47 2.03 0.00 | 50.51 1.75 0.00 | 62.94 1.77 0.00 | 63.00 1.59 0.00 | 47.88 1.17 0.00 | 43.09 1.62 0.00 | 40.21 1.32 0.00 | 35.91 0.98 0.00 |
| KINTIGH__24_KV_GSU 356498 | 32.38 0.54 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.65 0.99 0.00 | 28.52 0.86 0.00 | 32.50 0.39 0.00 | 47.33 -1.82 0.00 | 54.73 -2.34 0.00 | 42.47 -0.91 0.00 | 31.12 -0.12 0.00 | 29.61 0.35 0.00 | 27.09 -0.08 0.00 | 27.77 0.06 0.00 | 28.32 -0.06 0.00 | 25.97 0.05 0.37 | 27.56 -0.83 0.20 | 33.23 -1.21 0.00 | 46.41 -2.34 0.00 | 60.00 -1.16 0.00 | 59.50 -1.90 0.00 | 44.84 -1.87 0.00 | 39.44 -2.03 0.00 | 37.95 -0.93 0.00 | 35.08 0.14 0.00 |
| KINTIGH____ 23543 | 32.38 0.54 0.00 | 28.87 0.84 0.00 | 27.97 0.79 0.00 | 27.65 0.99 0.00 | 28.47 0.80 0.00 | 32.50 0.39 0.00 | 47.33 -1.82 0.00 | 54.51 -2.57 0.00 | 42.52 -0.87 0.00 | 31.09 -0.16 0.00 | 29.61 0.35 0.00 | 27.09 -0.08 0.00 | 27.77 0.06 0.00 | 28.32 -0.06 0.00 | 25.97 0.05 0.37 | 27.57 -0.83 0.20 | 33.23 -1.21 0.00 | 46.41 -2.34 0.00 | 60.00 -1.16 0.00 | 59.38 -2.03 0.00 | 44.84 -1.87 0.00 | 39.44 -2.03 0.00 | 37.72 -1.17 0.00 | 35.01 0.07 0.00 |
| KNFTRNC_46_KV_46KV_LOAD 80397 | 32.66 0.83 0.00 | 28.96 0.93 0.00 | 28.00 0.82 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.57 1.43 0.00 | 58.22 1.14 0.00 | 44.30 0.91 0.00 | 31.93 0.69 0.00 | 29.82 0.56 0.00 | 27.82 0.65 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.65 0.37 0.00 | 29.00 0.40 0.00 | 35.26 0.83 0.00 | 49.78 1.02 0.00 | 62.51 1.35 0.00 | 63.06 1.66 0.00 | 48.25 1.54 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.44 1.50 0.00 |
| LACHUTE__HYDRO 323717 | 33.81 1.97 0.00 | 29.71 1.68 0.00 | 28.87 1.69 0.00 | 28.35 1.68 0.00 | 29.46 1.80 0.00 | 34.30 2.19 0.00 | 52.69 3.54 0.00 | 61.01 3.94 0.00 | 45.86 2.47 0.00 | 32.02 0.78 0.00 | 30.23 0.96 0.00 | 27.85 0.68 0.00 | 28.13 0.42 0.00 | 28.91 0.54 0.00 | 27.60 0.68 -0.63 | 30.00 1.09 -0.32 | 35.33 0.89 0.00 | 51.43 2.68 0.00 | 65.26 4.10 0.00 | 65.70 4.30 0.00 | 49.93 3.22 0.00 | 43.96 2.49 0.00 | 41.26 2.37 0.00 | 36.89 1.96 0.00 |
| LAWRNCV_115KV_TB1 80681 | 32.25 0.41 0.00 | 28.57 0.53 0.00 | 27.67 0.49 0.00 | 26.98 0.32 0.00 | 28.05 0.39 0.00 | 32.82 0.71 0.00 | 50.53 1.38 0.00 | 58.50 1.43 0.00 | 44.04 0.65 0.00 | 31.59 0.34 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 27.99 0.28 0.00 | 28.60 0.23 0.00 | 26.36 0.08 0.00 | 28.74 0.14 0.00 | 34.75 0.31 0.00 | 49.39 0.63 0.00 | 61.96 0.80 0.00 | 62.63 1.23 0.00 | 48.16 1.45 0.00 | 42.97 1.49 0.00 | 40.40 1.52 0.00 | 36.12 1.19 0.00 |
| LEDERLE____ 23769 | 33.24 1.40 0.00 | 29.13 1.09 0.00 | 28.16 0.98 0.00 | 27.60 0.93 0.00 | 28.60 0.94 0.00 | 33.24 1.12 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.38 2.00 0.00 | 32.87 1.62 0.00 | 30.78 1.52 0.00 | 28.69 1.52 0.00 | 29.30 1.58 0.00 | 30.02 1.65 0.00 | 31.35 1.58 -3.49 | 32.20 1.69 -1.91 | 36.23 1.79 0.00 | 50.80 2.05 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.25 1.54 0.00 | 43.01 1.53 0.00 | 40.17 1.28 0.00 | 35.92 0.98 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 31.71 -0.13 0.00 | 27.95 -0.08 0.00 | 27.13 -0.05 0.00 | 26.56 -0.11 0.00 | 27.58 -0.08 0.00 | 32.15 0.03 0.00 | 49.25 0.10 0.00 | 57.30 0.23 0.00 | 43.30 -0.09 0.00 | 31.02 -0.22 0.00 | 29.00 -0.26 0.00 | 26.85 -0.33 0.00 | 27.47 -0.25 0.00 | 28.12 -0.26 0.00 | 25.91 -0.37 0.00 | 28.25 -0.34 0.00 | 33.99 -0.45 0.00 | 48.41 -0.34 0.00 | 61.10 -0.06 0.00 | 61.52 0.12 0.00 | 46.80 0.09 0.00 | 41.56 0.08 0.00 | 38.92 0.04 0.00 | 34.94 0.00 0.00 |
| LINDEN COGEN____ 23786 | 33.27 1.43 0.00 | 29.10 1.06 0.00 | 28.11 0.92 0.00 | 27.54 0.88 0.00 | 28.55 0.88 0.00 | 33.18 1.06 0.00 | 50.67 1.53 0.01 | 59.12 2.05 0.01 | 45.28 1.91 0.01 | 32.90 1.65 0.00 | 30.90 1.64 0.00 | 28.83 1.66 0.00 | 29.38 1.66 0.00 | 30.14 1.76 0.00 | 30.32 1.68 -2.35 | 31.72 1.83 -1.29 | 36.36 1.93 0.00 | 50.55 1.80 0.01 | 63.00 1.83 0.00 | 63.05 1.66 0.01 | 47.91 1.21 0.01 | 42.92 1.45 0.01 | 40.01 1.13 0.01 | 35.77 0.84 0.00 |
| LINDHRST_69_KV_BK1 356055 | 33.37 1.53 0.00 | 28.96 0.93 0.00 | 28.00 0.82 0.00 | 27.41 0.75 0.00 | 28.26 0.61 0.01 | 32.72 0.61 0.01 | 47.83 0.84 2.16 | 49.73 1.26 8.61 | 44.85 1.48 0.01 | 32.38 1.25 0.12 | 30.64 1.38 0.00 | 28.61 1.44 0.00 | 29.30 1.58 0.00 | 30.19 1.82 0.00 | 30.31 1.68 -2.34 | 32.02 2.14 -1.28 | 36.74 2.31 0.00 | 50.55 1.80 0.01 | 63.11 1.96 0.01 | 63.80 2.39 0.00 | 48.11 1.40 0.00 | 43.30 1.82 0.00 | 40.25 1.36 0.00 | 35.81 0.87 0.00 |
| LIPA_MISC_IPP 23656 | 32.60 0.76 0.00 | 28.26 0.22 0.00 | 27.35 0.16 0.00 | 26.80 0.13 0.00 | 27.54 -0.11 0.01 | 31.88 -0.19 0.05 | 46.30 -0.15 2.70 | 46.43 0.11 10.76 | 43.85 0.48 0.01 | 30.06 0.56 1.74 | 29.96 0.70 0.00 | 27.96 0.79 0.00 | 28.63 0.91 0.00 | 29.54 1.16 0.00 | 29.68 1.05 -2.34 | 31.40 1.52 -1.28 | 35.95 1.52 0.00 | 49.38 0.63 0.01 | 61.58 0.43 0.01 | 62.32 0.92 0.00 | 47.08 0.37 0.00 | 42.43 0.95 0.00 | 39.43 0.54 0.00 | 34.94 0.00 0.00 |
| LISF__SOLAR 323691 | 32.63 0.80 0.00 | 28.26 0.22 0.00 | 27.27 0.08 0.00 | 26.83 0.16 0.00 | 27.57 -0.08 0.01 | 31.94 -0.13 0.05 | 46.36 -0.10 2.69 | 46.52 0.17 10.73 | 43.98 0.61 0.01 | 30.08 0.56 1.73 | 29.96 0.70 0.00 | 27.96 0.79 0.00 | 28.63 0.91 0.00 | 29.54 1.16 0.00 | 29.68 1.05 -2.34 | 31.39 1.51 -1.28 | 35.99 1.55 0.00 | 49.48 0.73 0.01 | 61.64 0.49 0.01 | 62.44 1.04 0.00 | 47.13 0.42 0.00 | 42.30 0.83 0.00 | 39.43 0.54 0.00 | 34.97 0.03 0.00 |
| LITTLE FALLS__HYD 24013 | 33.59 1.75 0.00 | 29.60 1.57 0.00 | 28.71 1.52 0.00 | 28.16 1.49 0.00 | 29.24 1.58 0.00 | 33.95 1.83 0.00 | 51.95 2.80 0.00 | 60.39 3.31 0.00 | 45.86 2.47 0.00 | 32.99 1.75 0.00 | 30.87 1.61 0.00 | 28.64 1.47 0.00 | 29.27 1.55 0.00 | 29.97 1.59 0.00 | 27.73 1.45 0.00 | 30.17 1.57 0.00 | 36.33 1.89 0.00 | 51.53 2.78 0.00 | 64.71 3.55 0.00 | 64.96 3.56 0.00 | 49.37 2.66 0.00 | 43.92 2.45 0.00 | 41.22 2.33 0.00 | 37.03 2.10 0.00 |

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|---------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| LITTLRIV_115KV_TB1 356100 | 32.57 0.73 0.00 | 28.87 0.84 0.00 | 27.95 0.76 0.00 | 27.25 0.59 0.00 | 28.33 0.66 0.00 | 33.21 1.09 0.00 | 51.21 2.06 0.00 | 59.30 2.23 0.00 | 44.43 1.04 0.00 | 31.77 0.53 0.00 | 29.61 0.35 0.00 | 27.55 0.38 0.00 | 28.11 0.39 0.00 | 28.72 0.34 0.00 | 26.44 0.16 0.00 | 28.85 0.26 0.00 | 34.95 0.52 0.00 | 49.87 1.12 0.00 | 62.69 1.53 0.00 | 63.49 2.09 0.00 | 48.76 2.06 0.00 | 43.51 2.03 0.00 | 40.87 1.98 0.00 | 36.54 1.61 0.00 |
| LI_NEWBRDGE___DRP 323616 | 32.92 1.08 0.00 | 28.59 0.56 0.00 | 27.65 0.46 0.00 | 27.09 0.43 0.00 | 27.96 0.30 0.01 | 32.40 0.29 0.01 | 46.80 0.54 2.89 | 46.42 0.86 11.51 | 44.38 1.00 0.01 | 32.08 0.84 0.01 | 30.31 1.05 0.00 | 28.31 1.14 0.00 | 28.96 1.25 0.00 | 29.82 1.45 0.00 | 29.97 1.34 -2.34 | 31.57 1.69 -1.28 | 36.23 1.79 0.00 | 49.82 1.07 0.01 | 62.07 0.92 0.01 | 62.63 1.23 0.00 | 47.32 0.61 0.00 | 42.68 1.20 0.00 | 39.74 0.86 0.00 | 35.36 0.42 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 32.41 0.57 0.00 | 29.29 1.26 0.00 | 28.38 1.20 0.00 | 27.81 1.15 0.00 | 28.60 0.94 0.00 | 32.57 0.45 0.00 | 47.23 -1.92 0.00 | 54.28 -2.80 0.00 | 42.43 -0.95 0.00 | 31.05 -0.19 0.00 | 29.61 0.35 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.29 -0.09 0.00 | 25.93 0.03 0.38 | 27.44 -0.94 0.21 | 33.06 -1.38 0.00 | 46.17 -2.58 0.00 | 60.00 -1.16 0.00 | 59.25 -2.15 0.00 | 44.70 -2.01 0.00 | 39.19 -2.28 0.00 | 37.60 -1.28 0.00 | 35.04 0.10 0.00 |
| LOCKPORT___CC1 323769 | 32.44 0.60 0.00 | 29.01 0.98 0.00 | 28.19 1.01 0.00 | 28.02 1.36 0.00 | 28.66 0.99 0.00 | 32.60 0.48 0.00 | 47.28 -1.87 0.00 | 54.51 -2.57 0.00 | 42.39 -1.00 0.00 | 31.09 -0.16 0.00 | 29.61 0.35 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.95 0.05 0.38 | 27.44 -0.94 0.21 | 33.06 -1.38 0.00 | 46.17 -2.59 0.00 | 60.00 -1.16 0.00 | 59.43 -1.97 0.00 | 44.70 -2.01 0.00 | 39.19 -2.28 0.00 | 37.87 -1.01 0.00 | 35.15 0.21 0.00 |
| LOCKPORT___CC2 323770 | 32.44 0.60 0.00 | 29.01 0.98 0.00 | 28.19 1.01 0.00 | 28.02 1.36 0.00 | 28.66 0.99 0.00 | 32.60 0.48 0.00 | 47.28 -1.87 0.00 | 54.51 -2.57 0.00 | 42.39 -1.00 0.00 | 31.09 -0.16 0.00 | 29.61 0.35 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.95 0.05 0.38 | 27.44 -0.94 0.21 | 33.06 -1.38 0.00 | 46.17 -2.59 0.00 | 60.00 -1.16 0.00 | 59.43 -1.97 0.00 | 44.70 -2.01 0.00 | 39.19 -2.28 0.00 | 37.87 -1.01 0.00 | 35.15 0.21 0.00 |
| LOCKPORT___CC3 323771 | 32.44 0.60 0.00 | 29.01 0.98 0.00 | 28.19 1.01 0.00 | 28.02 1.36 0.00 | 28.66 0.99 0.00 | 32.60 0.48 0.00 | 47.28 -1.87 0.00 | 54.51 -2.57 0.00 | 42.39 -1.00 0.00 | 31.09 -0.16 0.00 | 29.61 0.35 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.95 0.05 0.38 | 27.44 -0.94 0.21 | 33.06 -1.38 0.00 | 46.17 -2.59 0.00 | 60.00 -1.16 0.00 | 59.43 -1.97 0.00 | 44.70 -2.01 0.00 | 39.19 -2.28 0.00 | 37.87 -1.01 0.00 | 35.15 0.21 0.00 |
| LOCUSVLY_69_KV_BK2 55797 | 33.30 1.46 0.00 | 28.99 0.95 0.00 | 28.03 0.84 0.00 | 27.46 0.80 0.00 | 28.38 0.72 0.00 | 32.88 0.77 0.00 | 49.00 1.18 1.33 | 53.19 1.48 5.37 | 44.99 1.61 0.00 | 32.46 1.22 0.00 | 30.72 1.46 0.00 | 28.69 1.52 0.00 | 29.35 1.64 0.00 | 30.19 1.82 0.00 | 30.31 1.68 -2.34 | 31.88 2.00 -1.28 | 36.60 2.17 0.00 | 50.41 1.66 0.00 | 62.87 1.71 0.00 | 63.31 1.90 0.00 | 47.88 1.17 0.00 | 43.13 1.66 0.00 | 40.21 1.32 0.00 | 35.81 0.87 0.00 |
| LONG_LAKE_PHOENIX 24014 | 31.36 -0.48 0.00 | 27.61 -0.42 0.00 | 26.78 -0.41 0.00 | 26.29 -0.37 0.00 | 27.25 -0.41 0.00 | 31.64 -0.48 0.00 | 48.36 -0.79 0.00 | 56.22 -0.86 0.00 | 42.73 -0.65 0.00 | 30.77 -0.47 0.00 | 28.82 -0.44 0.00 | 26.71 -0.46 0.00 | 27.30 -0.42 0.00 | 27.92 -0.45 0.00 | 25.84 -0.45 0.00 | 28.11 -0.49 0.00 | 33.82 -0.62 0.00 | 47.88 -0.88 0.00 | 60.31 -0.86 0.00 | 60.54 -0.86 0.00 | 45.92 -0.79 0.00 | 40.73 -0.75 0.00 | 38.15 -0.74 0.00 | 34.34 -0.59 0.00 |
| LOVETT___3 23632 | 33.11 1.27 0.00 | 28.99 0.95 0.00 | 28.03 0.84 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.57 1.43 0.00 | 58.96 1.88 0.00 | 45.03 1.65 0.00 | 32.62 1.37 0.00 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.10 1.39 0.00 | 29.82 1.45 0.00 | 30.71 1.39 -3.04 | 31.75 1.49 -1.66 | 36.09 1.65 0.00 | 50.56 1.80 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 47.97 1.26 0.00 | 42.80 1.33 0.00 | 39.97 1.09 0.00 | 35.74 0.80 0.00 |
| LOVETT___4 23642 | 33.11 1.27 0.00 | 28.99 0.95 0.00 | 28.03 0.84 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.57 1.43 0.00 | 58.96 1.88 0.00 | 45.03 1.65 0.00 | 32.62 1.37 0.00 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.10 1.39 0.00 | 29.82 1.45 0.00 | 30.71 1.39 -3.04 | 31.75 1.49 -1.66 | 36.09 1.65 0.00 | 50.56 1.80 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 47.97 1.26 0.00 | 42.80 1.33 0.00 | 39.97 1.09 0.00 | 35.74 0.80 0.00 |
| LOVETT___5 23593 | 33.11 1.27 0.00 | 28.99 0.95 0.00 | 28.03 0.84 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.57 1.43 0.00 | 58.96 1.88 0.00 | 45.03 1.65 0.00 | 32.62 1.37 0.00 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.10 1.39 0.00 | 29.82 1.45 0.00 | 30.71 1.39 -3.04 | 31.75 1.49 -1.66 | 36.09 1.65 0.00 | 50.56 1.80 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 47.97 1.26 0.00 | 42.80 1.33 0.00 | 39.97 1.09 0.00 | 35.74 0.80 0.00 |
| LOWER RAQUET___HYD 24057 | 32.32 0.48 0.00 | 28.62 0.59 0.00 | 27.73 0.54 0.00 | 27.01 0.35 0.00 | 28.08 0.42 0.00 | 32.89 0.77 0.00 | 50.67 1.53 0.00 | 58.67 1.60 0.00 | 44.12 0.74 0.00 | 31.62 0.38 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 28.02 0.31 0.00 | 28.63 0.25 0.00 | 26.36 0.08 0.00 | 28.74 0.14 0.00 | 34.78 0.34 0.00 | 49.44 0.68 0.00 | 62.02 0.86 0.00 | 62.69 1.29 0.00 | 48.20 1.49 0.00 | 43.05 1.58 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |
| LOWER___HUDSON 24059 | 32.57 0.73 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.76 0.64 0.00 | 50.38 1.23 0.00 | 58.39 1.31 0.00 | 44.34 0.95 0.00 | 31.77 0.53 0.00 | 29.67 0.41 0.00 | 27.55 0.38 0.00 | 28.02 0.31 0.00 | 28.72 0.34 0.00 | 27.39 0.42 -0.69 | 29.56 0.60 -0.36 | 35.12 0.69 0.00 | 50.07 1.32 0.00 | 62.63 1.47 0.00 | 62.87 1.47 0.00 | 47.74 1.03 0.00 | 42.30 0.83 0.00 | 39.66 0.78 0.00 | 35.57 0.63 0.00 |
| LOWVILLE_115KV_TB2 356335 | 32.06 0.22 0.00 | 28.31 0.28 0.00 | 27.57 0.38 0.00 | 26.80 0.13 0.00 | 27.97 0.30 0.00 | 32.73 0.61 0.00 | 50.38 1.23 0.00 | 58.56 1.48 0.00 | 43.91 0.52 0.00 | 31.37 0.12 0.00 | 29.26 0.00 0.00 | 27.12 -0.05 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 26.36 0.08 0.00 | 28.82 0.23 0.00 | 34.78 0.34 0.00 | 49.87 1.12 0.00 | 63.00 1.83 0.00 | 63.67 2.27 0.00 | 48.53 1.82 0.00 | 43.13 1.66 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 32.86 1.02 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.49 0.83 0.00 | 28.55 0.89 0.00 | 33.11 1.00 0.00 | 50.87 1.72 0.00 | 58.96 1.88 0.00 | 44.64 1.26 0.00 | 31.74 0.50 0.00 | 29.76 0.50 0.00 | 27.55 0.38 0.00 | 27.97 0.25 0.00 | 28.69 0.31 0.00 | 27.34 0.42 -0.64 | 29.60 0.66 -0.35 | 35.06 0.62 0.00 | 50.26 1.51 0.00 | 63.18 2.02 0.00 | 63.49 2.09 0.00 | 48.20 1.49 0.00 | 42.68 1.20 0.00 | 40.05 1.17 0.00 | 35.88 0.94 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 32.86 1.02 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.52 0.85 0.00 | 28.55 0.89 0.00 | 33.15 1.03 0.00 | 50.87 1.72 0.00 | 59.02 1.94 0.00 | 44.64 1.26 0.00 | 31.77 0.53 0.00 | 29.76 0.50 0.00 | 27.55 0.38 0.00 | 27.97 0.25 0.00 | 28.72 0.34 0.00 | 27.34 0.42 -0.64 | 29.60 0.66 -0.35 | 35.09 0.65 0.00 | 50.26 1.51 0.00 | 63.24 2.08 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 42.68 1.20 0.00 | 40.05 1.17 0.00 | 35.92 0.98 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 32.19 0.35 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 26.90 0.24 0.00 | 28.02 0.36 0.00 | 32.82 0.71 0.00 | 50.48 1.33 0.00 | 58.62 1.54 0.00 | 43.95 0.56 0.00 | 31.43 0.19 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.91 0.19 0.00 | 28.55 0.17 0.00 | 26.26 -0.03 0.00 | 28.68 0.09 0.00 | 34.64 0.21 0.00 | 49.48 0.73 0.00 | 62.39 1.22 0.00 | 63.06 1.66 0.00 | 48.30 1.59 0.00 | 43.09 1.62 0.00 | 40.40 1.52 0.00 | 36.12 1.19 0.00 |
| LYONS_FALL_HYD 23570 | 32.22 0.38 0.00 | 28.42 0.39 0.00 | 27.65 0.46 0.00 | 26.93 0.27 0.00 | 28.05 0.39 0.00 | 32.76 0.64 0.00 | 50.38 1.23 0.00 | 58.62 1.54 0.00 | 44.08 0.69 0.00 | 31.52 0.28 0.00 | 29.41 0.15 0.00 | 27.25 0.08 0.00 | 28.05 0.33 0.00 | 28.69 0.31 0.00 | 26.44 0.16 0.00 | 28.88 0.29 0.00 | 34.85 0.41 0.00 | 49.82 1.07 0.00 | 62.82 1.65 0.00 | 63.37 1.96 0.00 | 48.25 1.54 0.00 | 42.84 1.37 0.00 | 40.13 1.24 0.00 | 35.91 0.98 0.00 |
| MADISON___COUNTY_LFGE 323628 | 32.51 0.67 0.00 | 28.68 0.64 0.00 | 27.84 0.65 0.00 | 27.25 0.59 0.00 | 28.33 0.66 0.00 | 33.02 0.90 0.00 | 50.62 1.47 0.00 | 58.90 1.83 0.00 | 44.47 1.08 0.00 | 31.80 0.56 0.00 | 29.70 0.44 0.00 | 27.50 0.33 0.00 | 28.16 0.44 0.00 | 28.83 0.45 0.00 | 26.60 0.32 0.00 | 29.00 0.40 0.00 | 34.95 0.52 0.00 | 49.73 0.98 0.00 | 62.75 1.59 0.00 | 63.12 1.72 0.00 | 47.92 1.21 0.00 | 42.51 1.04 0.00 | 39.82 0.93 0.00 | 35.74 0.80 0.00 |
| MALONE___115KV_TB1 356076 | 32.47 0.64 0.00 | 28.79 0.76 0.00 | 27.86 0.68 0.00 | 27.17 0.51 0.00 | 28.22 0.55 0.00 | 33.05 0.93 0.00 | 50.82 1.67 0.00 | 58.79 1.71 0.00 | 44.34 0.95 0.00 | 31.93 0.69 0.00 | 29.79 0.53 0.00 | 27.80 0.62 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.62 0.34 0.00 | 28.97 0.37 0.00 | 35.19 0.76 0.00 | 49.92 1.17 0.00 | 62.75 1.59 0.00 | 63.37 1.96 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 32.41 0.57 0.00 | 28.45 0.42 0.00 | 27.62 0.43 0.00 | 27.09 0.43 0.00 | 28.11 0.44 0.00 | 32.57 0.45 0.00 | 50.03 0.88 0.00 | 58.05 0.97 0.00 | 44.12 0.74 0.00 | 31.62 0.37 0.00 | 29.52 0.26 0.00 | 27.42 0.24 0.00 | 27.88 0.17 0.00 | 28.60 0.23 0.00 | 27.30 0.32 -0.70 | 29.44 0.46 -0.38 | 34.99 0.55 0.00 | 49.73 0.98 0.00 | 62.20 1.04 0.00 | 62.45 1.04 0.00 | 47.46 0.75 0.00 | 42.05 0.58 0.00 | 39.47 0.58 0.00 | 35.39 0.45 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 31.36 -0.48 0.00 | 27.67 -0.37 0.00 | 26.86 -0.33 0.00 | 26.37 -0.29 0.00 | 27.39 -0.28 0.00 | 31.83 -0.29 0.00 | 48.81 -0.34 0.00 | 56.74 -0.34 0.00 | 43.17 -0.22 0.00 | 31.09 -0.16 0.00 | 29.14 -0.12 0.00 | 27.12 -0.05 0.00 | 27.66 -0.06 0.00 | 28.35 -0.03 0.00 | 26.26 -0.03 0.00 | 28.60 0.00 0.00 | 34.47 0.03 0.00 | 48.80 0.05 0.00 | 61.23 0.06 0.00 | 61.52 0.12 0.00 | 46.85 0.14 0.00 | 41.60 0.12 0.00 | 39.00 0.12 0.00 | 35.01 0.07 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 31.36 -0.48 0.00 | 27.67 -0.37 0.00 | 26.86 -0.33 0.00 | 26.37 -0.29 0.00 | 27.39 -0.28 0.00 | 31.83 -0.29 0.00 | 48.81 -0.34 0.00 | 56.74 -0.34 0.00 | 43.17 -0.22 0.00 | 31.09 -0.16 0.00 | 29.14 -0.12 0.00 | 27.12 -0.05 0.00 | 27.66 -0.06 0.00 | 28.35 -0.03 0.00 | 26.26 -0.03 0.00 | 28.60 0.00 0.00 | 34.47 0.03 0.00 | 48.80 0.05 0.00 | 61.23 0.06 0.00 | 61.52 0.12 0.00 | 46.85 0.14 0.00 | 41.60 0.12 0.00 | 39.00 0.12 0.00 | 35.01 0.07 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 32.47 0.64 0.00 | 28.76 0.73 0.00 | 27.84 0.65 0.00 | 27.20 0.53 0.00 | 28.25 0.58 0.00 | 33.05 0.93 0.00 | 50.13 0.98 0.00 | 57.70 0.63 0.00 | 44.08 0.69 0.00 | 31.77 0.53 0.00 | 29.70 0.44 0.00 | 27.74 0.57 0.00 | 28.19 0.47 0.00 | 28.77 0.40 0.00 | 26.57 0.29 0.00 | 28.94 0.34 0.00 | 35.12 0.69 0.00 | 49.44 0.68 0.00 | 62.08 0.92 0.00 | 62.51 1.11 0.00 | 47.88 1.17 0.00 | 43.17 1.70 0.00 | 40.56 1.67 0.00 | 36.37 1.43 0.00 |
| MARSHVLE_115KV_TB1 80742 | 32.31 0.48 0.00 | 28.42 0.39 0.00 | 27.59 0.41 0.00 | 27.06 0.40 0.00 | 28.13 0.47 0.00 | 32.79 0.67 0.00 | 50.53 1.38 0.00 | 59.76 2.68 0.00 | 43.43 0.04 0.00 | 29.71 -1.53 0.00 | 27.24 -2.02 0.00 | 25.08 -2.09 0.00 | 25.50 -2.22 0.00 | 26.16 -2.21 0.00 | 24.80 -2.08 -0.59 | 27.58 -1.34 -0.33 | 33.16 -1.27 0.00 | 48.75 0.00 0.00 | 62.57 1.41 0.00 | 62.88 1.47 0.00 | 47.78 1.07 0.00 | 42.30 0.83 0.00 | 39.58 0.70 0.00 | 35.39 0.45 0.00 |
| MARSH_HILL_WT_PWR 323713 | 32.51 0.67 0.00 | 28.90 0.87 0.00 | 28.11 0.92 0.00 | 27.78 1.12 0.00 | 28.71 1.05 0.00 | 33.21 1.09 0.00 | 49.45 0.30 0.00 | 57.42 0.34 0.00 | 43.47 0.09 0.00 | 31.37 0.13 0.00 | 29.67 0.41 0.00 | 27.20 0.03 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 25.95 0.16 0.49 | 28.07 -0.26 0.26 | 34.06 -0.38 0.00 | 48.31 -0.44 0.00 | 62.75 1.59 0.00 | 62.57 1.16 0.00 | 47.04 0.33 0.00 | 41.35 -0.12 0.00 | 39.16 0.27 0.00 | 35.74 0.80 0.00 |
| MCINTYRE_115KV_TB2 80467 | 32.66 0.83 0.00 | 28.96 0.93 0.00 | 28.03 0.84 0.00 | 27.30 0.64 0.00 | 28.41 0.75 0.00 | 33.31 1.19 0.00 | 51.36 2.21 0.00 | 59.42 2.34 0.00 | 44.47 1.08 0.00 | 31.80 0.56 0.00 | 29.61 0.35 0.00 | 27.55 0.38 0.00 | 28.11 0.39 0.00 | 28.72 0.34 0.00 | 26.47 0.18 0.00 | 28.85 0.26 0.00 | 35.02 0.59 0.00 | 50.07 1.32 0.00 | 63.00 1.83 0.00 | 63.74 2.33 0.00 | 49.00 2.29 0.00 | 43.63 2.16 0.00 | 40.98 2.10 0.00 | 36.61 1.68 0.00 |
| MECO_____69_KV_BK1 80468 | 33.05 1.21 0.00 | 29.04 1.01 0.00 | 28.19 1.01 0.00 | 27.68 1.01 0.00 | 28.77 1.11 0.00 | 33.53 1.41 0.00 | 51.61 2.46 0.00 | 60.50 3.42 0.00 | 44.34 0.95 0.00 | 30.52 -0.72 0.00 | 27.97 -1.29 0.00 | 25.71 -1.47 0.00 | 26.05 -1.66 0.00 | 26.76 -1.62 0.00 | 25.46 -1.42 -0.59 | 28.18 -0.74 -0.33 | 33.99 -0.45 0.00 | 50.02 1.27 0.00 | 64.04 2.87 0.00 | 64.35 2.95 0.00 | 48.91 2.20 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.19 1.26 0.00 |
| MENANDS___115KV_TB5 355628 | 32.25 0.41 0.00 | 28.31 0.28 0.00 | 27.48 0.30 0.00 | 26.96 0.29 0.00 | 27.97 0.30 0.00 | 32.41 0.29 0.00 | 49.74 0.59 0.00 | 57.76 0.68 0.00 | 43.91 0.52 0.00 | 31.52 0.28 0.00 | 29.47 0.20 0.00 | 27.36 0.19 0.00 | 27.83 0.11 0.00 | 28.55 0.17 0.00 | 27.23 0.24 -0.71 | 29.38 0.40 -0.39 | 34.88 0.45 0.00 | 49.48 0.73 0.00 | 61.84 0.67 0.00 | 62.08 0.68 0.00 | 47.18 0.47 0.00 | 41.85 0.37 0.00 | 39.23 0.35 0.00 | 35.22 0.28 0.00 |
| MG INDUSTRY___DRP 24185 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 27.12 0.45 0.00 | 28.13 0.47 0.00 | 32.60 0.48 0.00 | 49.98 0.84 0.00 | 57.93 0.86 0.00 | 43.91 0.52 0.00 | 31.43 0.19 0.00 | 29.44 0.18 0.00 | 27.23 0.05 0.00 | 27.72 0.00 0.00 | 28.40 0.03 0.00 | 27.17 0.16 -0.73 | 29.28 0.29 -0.40 | 34.78 0.34 0.00 | 49.53 0.78 0.00 | 62.02 0.86 0.00 | 62.26 0.86 0.00 | 47.36 0.65 0.00 | 42.05 0.58 0.00 | 39.43 0.54 0.00 | 35.39 0.45 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 32.19 0.35 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 26.90 0.24 0.00 | 28.02 0.36 0.00 | 32.82 0.71 0.00 | 50.48 1.33 0.00 | 58.62 1.54 0.00 | 43.95 0.56 0.00 | 31.43 0.19 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.91 0.19 0.00 | 28.55 0.17 0.00 | 26.26 -0.03 0.00 | 28.68 0.09 0.00 | 34.64 0.21 0.00 | 49.48 0.73 0.00 | 62.39 1.22 0.00 | 63.06 1.66 0.00 | 48.30 1.59 0.00 | 43.09 1.62 0.00 | 40.40 1.52 0.00 | 36.12 1.19 0.00 |
| MID___RAQUETTE_HYD 23851 | 32.31 0.48 0.00 | 28.62 0.59 0.00 | 27.73 0.54 0.00 | 27.01 0.35 0.00 | 28.08 0.41 0.00 | 32.89 0.77 0.00 | 50.67 1.52 0.00 | 58.67 1.60 0.00 | 44.08 0.69 0.00 | 31.62 0.37 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.36 0.08 0.00 | 28.74 0.14 0.00 | 34.78 0.34 0.00 | 49.44 0.68 0.00 | 62.02 0.86 0.00 | 62.69 1.29 0.00 | 48.20 1.49 0.00 | 43.05 1.58 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |
| MILLIKEN___1 23584 | 32.38 0.54 0.00 | 28.54 0.50 0.00 | 27.70 0.52 0.00 | 27.20 0.53 0.00 | 28.19 0.53 0.00 | 32.73 0.61 0.00 | 49.79 0.64 0.00 | 58.05 0.97 0.00 | 44.04 0.65 0.00 | 31.62 0.37 0.00 | 29.61 0.35 0.00 | 27.36 0.19 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.97 0.18 0.50 | 28.41 0.09 0.27 | 34.57 0.14 0.00 | 49.19 0.44 0.00 | 62.45 1.28 0.00 | 62.69 1.29 0.00 | 47.46 0.75 0.00 | 42.01 0.54 0.00 | 39.31 0.43 0.00 | 35.46 0.52 0.00 |
| MILLIKEN___2 23585 | 32.38 0.54 0.00 | 28.54 0.50 0.00 | 27.70 0.52 0.00 | 27.20 0.53 0.00 | 28.19 0.53 0.00 | 32.73 0.61 0.00 | 49.79 0.64 0.00 | 58.05 0.97 0.00 | 44.04 0.65 0.00 | 31.62 0.37 0.00 | 29.61 0.35 0.00 | 27.36 0.19 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.97 0.18 0.50 | 28.41 0.09 0.27 | 34.57 0.14 0.00 | 49.19 0.44 0.00 | 62.45 1.28 0.00 | 62.69 1.29 0.00 | 47.46 0.75 0.00 | 42.01 0.54 0.00 | 39.31 0.43 0.00 | 35.46 0.52 0.00 |
| MILLIKEN___DIESEL 23629 | 32.38 0.54 0.00 | 28.54 0.50 0.00 | 27.70 0.52 0.00 | 27.20 0.53 0.00 | 28.19 0.53 0.00 | 32.73 0.61 0.00 | 49.79 0.64 0.00 | 58.05 0.97 0.00 | 44.04 0.65 0.00 | 31.62 0.37 0.00 | 29.61 0.35 0.00 | 27.36 0.19 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.97 0.18 0.50 | 28.41 0.09 0.27 | 34.57 0.14 0.00 | 49.19 0.44 0.00 | 62.45 1.28 0.00 | 62.69 1.29 0.00 | 47.46 0.75 0.00 | 42.01 0.54 0.00 | 39.31 0.43 0.00 | 35.46 0.52 0.00 |
| MILLSEAT___LFGE 323607 | 32.79 0.95 0.00 | 29.30 1.26 0.00 | 28.46 1.28 0.00 | 28.26 1.60 0.00 | 28.94 1.27 0.00 | 33.02 0.90 0.00 | 48.31 -0.84 0.00 | 55.93 -1.14 0.00 | 43.34 -0.04 0.00 | 31.59 0.34 0.00 | 29.99 0.73 0.00 | 27.42 0.24 0.00 | 28.13 0.42 0.00 | 28.72 0.34 0.00 | 26.31 0.39 0.37 | 27.85 -0.54 0.21 | 33.64 -0.79 0.00 | 47.15 -1.61 0.00 | 61.35 0.18 0.00 | 60.91 -0.49 0.00 | 45.73 -0.98 0.00 | 40.11 -1.37 0.00 | 38.57 -0.31 0.00 | 35.64 0.70 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 33.17 1.34 0.00 | 29.07 1.04 0.00 | 28.11 0.92 0.00 | 27.54 0.88 0.00 | 28.58 0.91 0.00 | 33.11 1.00 0.00 | 50.72 1.57 0.00 | 59.13 2.05 0.00 | 45.16 1.78 0.00 | 32.71 1.47 0.00 | 30.67 1.40 0.00 | 28.59 1.41 0.00 | 29.16 1.44 0.00 | 29.91 1.53 0.00 | 30.22 1.47 -2.46 | 31.52 1.57 -1.35 | 36.16 1.72 0.00 | 50.70 1.95 0.00 | 63.30 2.14 0.00 | 63.37 1.96 0.00 | 48.11 1.40 0.00 | 42.93 1.45 0.00 | 40.09 1.21 0.00 | 35.85 0.91 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 33.24 1.40 0.00 | 29.13 1.09 0.00 | 28.16 0.98 0.00 | 27.60 0.93 0.00 | 28.63 0.97 0.00 | 33.18 1.06 0.00 | 50.82 1.67 0.00 | 59.24 2.17 0.00 | 45.25 1.87 0.00 | 32.74 1.50 0.00 | 30.69 1.43 0.00 | 28.61 1.44 0.00 | 29.21 1.50 0.00 | 29.94 1.56 0.00 | 30.24 1.50 -2.46 | 31.58 1.63 -1.35 | 36.23 1.79 0.00 | 50.80 2.05 0.00 | 63.49 2.32 0.00 | 63.49 2.09 0.00 | 48.20 1.49 0.00 | 43.01 1.53 0.00 | 40.17 1.28 0.00 | 35.92 0.98 0.00 |
| MODEL_CITY_ENERGY 24167 | 32.16 0.32 0.00 | 28.79 0.76 0.00 | 27.95 0.76 0.00 | 27.94 1.28 0.00 | 28.44 0.77 0.00 | 32.28 0.16 0.00 | 46.79 -2.36 0.00 | 53.94 -3.14 0.00 | 42.00 -1.39 0.00 | 30.77 -0.47 0.00 | 29.35 0.09 0.00 | 26.79 -0.38 0.00 | 27.49 -0.22 0.00 | 28.06 -0.31 0.00 | 25.71 -0.18 0.39 | 27.18 -1.20 0.22 | 32.75 -1.69 0.00 | 45.68 -3.07 0.00 | 59.27 -1.90 0.00 | 58.76 -2.64 0.00 | 44.19 -2.52 0.00 | 38.78 -2.70 0.00 | 37.49 -1.40 0.00 | 34.80 -0.14 0.00 |
| MODERN_LFGE___ 323580 | 32.16 0.32 0.00 | 28.79 0.76 0.00 | 27.95 0.76 0.00 | 27.94 1.28 0.00 | 28.44 0.77 0.00 | 32.28 0.16 0.00 | 46.79 -2.36 0.00 | 53.94 -3.14 0.00 | 42.00 -1.39 0.00 | 30.77 -0.47 0.00 | 29.35 0.09 0.00 | 26.79 -0.38 0.00 | 27.49 -0.22 0.00 | 28.06 -0.31 0.00 | 25.71 -0.18 0.39 | 27.18 -1.20 0.22 | 32.75 -1.69 0.00 | 45.68 -3.07 0.00 | 59.27 -1.90 0.00 | 58.76 -2.64 0.00 | 44.19 -2.52 0.00 | 38.78 -2.70 0.00 | 37.49 -1.40 0.00 | 34.80 -0.14 0.00 |
| MOHAWK_PAPER___DRP 24187 | 32.41 0.57 0.00 | 28.45 0.42 0.00 | 27.62 0.43 0.00 | 27.09 0.43 0.00 | 28.11 0.44 0.00 | 32.57 0.45 0.00 | 50.03 0.88 0.00 | 58.05 0.97 0.00 | 44.12 0.74 0.00 | 31.62 0.37 0.00 | 29.52 0.26 0.00 | 27.42 0.24 0.00 | 27.88 0.17 0.00 | 28.60 0.23 0.00 | 27.30 0.32 -0.70 | 29.44 0.46 -0.38 | 34.99 0.55 0.00 | 49.73 0.98 0.00 | 62.20 1.04 0.00 | 62.45 1.04 0.00 | 47.46 0.75 0.00 | 42.05 0.58 0.00 | 39.47 0.58 0.00 | 35.39 0.45 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 32.82 0.99 0.00 | 28.82 0.78 0.00 | 28.03 0.84 0.00 | 27.49 0.83 0.00 | 28.55 0.89 0.00 | 33.18 1.06 0.00 | 50.92 1.77 0.00 | 59.02 1.94 0.00 | 44.60 1.21 0.00 | 31.52 0.28 0.00 | 29.85 0.59 0.00 | 27.58 0.41 0.00 | 27.94 0.22 0.00 | 28.69 0.31 0.00 | 27.36 0.45 -0.63 | 29.66 0.71 -0.35 | 34.81 0.38 0.00 | 50.12 1.37 0.00 | 63.18 2.02 0.00 | 63.55 2.15 0.00 | 48.25 1.54 0.00 | 42.64 1.16 0.00 | 40.01 1.13 0.00 | 35.81 0.87 0.00 |
| MONGAUP___HYD 23641 | 33.14 1.31 0.00 | 29.07 1.04 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.57 0.91 0.00 | 33.15 1.03 0.00 | 50.87 1.72 0.00 | 59.19 2.11 0.00 | 44.99 1.61 0.00 | 32.37 1.12 0.00 | 30.26 1.00 0.00 | 28.18 1.01 0.00 | 28.77 1.05 0.00 | 29.51 1.14 0.00 | 18.34 1.10 9.04 | 24.85 1.20 4.94 | 35.85 1.41 0.00 | 50.61 1.85 0.00 | 63.55 2.38 0.00 | 63.73 2.33 0.00 | 48.39 1.68 0.00 | 43.05 1.58 0.00 | 40.09 1.21 0.00 | 35.95 1.01 0.00 |
| MONTAUK___DIESEL 23721 | 33.46 1.62 0.00 | 28.93 0.90 0.00 | 28.03 0.84 0.00 | 27.46 0.80 0.00 | 28.21 0.55 0.01 | 32.61 0.55 0.05 | 47.58 1.13 2.70 | 47.98 1.66 10.75 | 44.98 1.61 0.01 | 30.78 1.28 1.74 | 30.67 1.40 0.00 | 28.59 1.41 0.00 | 29.27 1.55 0.00 | 30.25 1.87 0.00 | 30.31 1.68 -2.34 | 32.14 2.26 -1.28 | 36.88 2.44 0.00 | 50.89 2.15 0.01 | 63.54 2.39 0.01 | 64.41 3.01 0.00 | 48.48 1.77 0.00 | 43.63 2.16 0.00 | 40.40 1.52 0.00 | 35.78 0.84 0.00 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 32.95 1.11 0.00 | 29.43 1.40 0.00 | 28.54 1.36 0.00 | 28.29 1.63 0.00 | 29.13 1.47 0.00 | 33.43 1.32 0.00 | 48.90 -0.25 0.00 | 56.33 -0.74 0.00 | 43.82 0.43 0.00 | 32.15 0.91 0.00 | 30.52 1.26 0.00 | 27.99 0.82 0.00 | 28.71 1.00 0.00 | 29.31 0.94 0.00 | 26.83 0.97 0.43 | 28.25 -0.11 0.23 | 34.33 -0.10 0.00 | 48.12 -0.63 0.00 | 62.63 1.47 0.00 | 61.83 0.43 0.00 | 46.38 -0.33 0.00 | 40.56 -0.91 0.00 | 38.65 -0.23 0.00 | 35.67 0.73 0.00 |

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| MORRIS_RIDGE___SOLAR 323848 | 32.44 0.60 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.70 1.04 0.00 | 28.57 0.91 0.00 | 32.82 0.71 0.00 | 48.46 -0.69 0.00 | 56.16 -0.92 0.00 | 42.95 -0.43 0.00 | 31.09 -0.16 0.00 | 29.44 0.18 0.00 | 26.98 -0.19 0.00 | 27.69 -0.03 0.00 | 28.26 -0.11 0.00 | 25.71 -0.08 0.49 | 27.55 -0.77 0.27 | 33.44 -1.00 0.00 | 47.29 -1.46 0.00 | 61.47 0.31 0.00 | 61.10 -0.31 0.00 | 45.96 -0.75 0.00 | 40.40 -1.08 0.00 | 38.50 -0.39 0.00 | 35.32 0.39 0.00 |
| MORTIMER_115KV_TB3 55949 | 32.35 0.51 0.00 | 28.71 0.67 0.00 | 27.84 0.65 0.00 | 27.41 0.75 0.00 | 28.33 0.66 0.00 | 32.57 0.45 0.00 | 48.51 -0.64 0.00 | 56.28 -0.80 0.00 | 43.39 0.00 0.00 | 31.46 0.22 0.00 | 29.76 0.50 0.00 | 27.34 0.16 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.55 0.26 0.00 | 28.28 -0.31 0.00 | 33.99 -0.45 0.00 | 47.83 -0.93 0.00 | 61.53 0.37 0.00 | 61.22 -0.18 0.00 | 46.24 -0.47 0.00 | 40.69 -0.79 0.00 | 38.53 -0.35 0.00 | 35.25 0.31 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 33.43 1.59 0.00 | 29.24 1.21 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.71 1.05 0.00 | 33.31 1.19 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.47 2.08 0.00 | 32.99 1.75 0.00 | 30.96 1.70 0.00 | 28.88 1.71 0.00 | 29.46 1.75 0.00 | 30.19 1.82 0.00 | 30.36 1.73 -2.35 | 31.77 1.89 -1.29 | 36.50 2.07 0.00 | 50.90 2.15 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.30 1.59 0.00 | 43.13 1.66 0.00 | 40.28 1.40 0.00 | 36.02 1.08 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 33.72 1.88 0.00 | 29.80 1.77 0.00 | 28.95 1.77 0.00 | 28.32 1.65 0.00 | 29.49 1.83 0.00 | 34.46 2.34 0.00 | 52.74 3.59 0.00 | 62.10 5.02 0.00 | 46.38 2.99 0.00 | 32.83 1.59 0.00 | 30.46 1.20 0.00 | 27.99 0.81 0.00 | 28.85 1.14 0.00 | 29.48 1.11 0.00 | 26.39 0.76 0.66 | 29.01 0.83 0.41 | 35.64 1.20 0.00 | 51.58 2.83 0.00 | 65.94 4.77 0.00 | 66.50 5.09 0.00 | 50.31 3.60 0.00 | 44.54 3.07 0.00 | 41.72 2.84 0.00 | 37.42 2.48 0.00 |
| N SALMON___HYD 24042 | 32.47 0.64 0.00 | 28.79 0.76 0.00 | 27.87 0.68 0.00 | 27.17 0.51 0.00 | 28.22 0.55 0.00 | 33.05 0.93 0.00 | 50.82 1.67 0.00 | 58.79 1.71 0.00 | 44.38 1.00 0.00 | 31.93 0.69 0.00 | 29.79 0.53 0.00 | 27.80 0.63 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.62 0.34 0.00 | 28.97 0.37 0.00 | 35.19 0.76 0.00 | 49.92 1.17 0.00 | 62.75 1.59 0.00 | 63.37 1.96 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |
| N.AKRON___115KV_KNAPP 355671 | 32.73 0.89 0.00 | 29.49 1.46 0.00 | 28.60 1.41 0.00 | 28.02 1.36 0.00 | 28.85 1.19 0.00 | 32.92 0.80 0.00 | 48.02 -1.13 0.00 | 55.36 -1.71 0.00 | 43.12 -0.26 0.00 | 31.49 0.25 0.00 | 29.93 0.67 0.00 | 27.36 0.19 0.00 | 28.05 0.33 0.00 | 28.63 0.26 0.00 | 26.25 0.34 0.37 | 27.82 -0.57 0.20 | 33.57 -0.86 0.00 | 47.05 -1.71 0.00 | 61.16 0.00 0.00 | 60.60 -0.80 0.00 | 45.64 -1.07 0.00 | 40.02 -1.45 0.00 | 38.26 -0.62 0.00 | 35.50 0.56 0.00 |
| N.E_GEN_SANDY PD 24062 | 32.60 0.76 0.00 | 28.59 0.56 0.00 | 27.68 0.49 0.00 | 27.17 0.51 0.00 | 28.19 0.52 0.00 | 32.70 0.58 0.00 | 50.33 1.18 0.00 | 58.28 1.20 0.00 | 44.38 1.00 0.00 | 31.96 0.72 0.00 | 29.88 0.62 0.00 | 27.80 0.63 0.00 | 28.30 0.58 0.00 | 29.00 0.62 0.00 | 28.18 0.68 -1.22 | 30.11 0.86 -0.66 | 34.50 0.96 0.90 | 51.07 1.41 -0.90 | 62.57 1.41 0.00 | 62.69 1.29 0.00 | 47.59 0.89 0.00 | 42.26 0.79 0.00 | 39.59 0.70 0.00 | 35.46 0.52 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 33.14 1.31 0.00 | 29.04 1.01 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.52 0.86 0.00 | 33.08 0.96 0.00 | 50.67 1.52 0.00 | 59.13 2.05 0.00 | 45.16 1.78 0.00 | 32.68 1.44 0.00 | 30.64 1.38 0.00 | 28.56 1.39 0.00 | 29.16 1.44 0.00 | 29.88 1.50 0.00 | 31.01 1.45 -3.28 | 31.94 1.54 -1.80 | 36.12 1.69 0.00 | 50.65 1.90 0.00 | 63.30 2.14 0.00 | 63.37 1.96 0.00 | 48.06 1.35 0.00 | 42.88 1.41 0.00 | 40.01 1.13 0.00 | 35.81 0.87 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 33.56 1.72 -0.01 | 29.39 1.35 -0.01 | 28.42 1.22 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.47 1.35 -0.01 | 51.07 1.92 0.00 | 59.76 2.68 0.00 | 45.73 2.34 0.00 | 33.09 1.84 -0.01 | 31.13 1.87 0.01 | 29.04 1.87 0.01 | 29.59 1.88 0.01 | 30.35 1.99 0.01 | 30.51 1.89 -2.34 | 31.93 2.06 -1.28 | 36.67 2.24 0.01 | 50.70 1.95 0.00 | 63.12 1.96 0.00 | 63.18 1.78 0.00 | 48.16 1.45 0.00 | 43.26 1.78 0.00 | 40.52 1.63 0.00 | 36.17 1.22 -0.01 |
| N.TROY___115KV_TB1 355778 | 32.57 0.73 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.24 0.58 0.00 | 32.76 0.64 0.00 | 50.38 1.23 0.00 | 58.39 1.31 0.00 | 44.34 0.95 0.00 | 31.77 0.53 0.00 | 29.67 0.41 0.00 | 27.55 0.38 0.00 | 28.02 0.30 0.00 | 28.72 0.34 0.00 | 27.40 0.42 -0.69 | 29.58 0.60 -0.38 | 35.12 0.69 0.00 | 50.07 1.32 0.00 | 62.63 1.47 0.00 | 62.88 1.47 0.00 | 47.74 1.03 0.00 | 42.30 0.83 0.00 | 39.66 0.78 0.00 | 35.57 0.63 0.00 |
| NARROWS_GT1_1 24228 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT1_2 24229 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT1_3 24230 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT1_4 24231 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT1_5 24232 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |

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| NARROWS_GT1_6 24233 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT1_7 24234 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT1_8 24235 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_1 24236 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_2 24237 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_3 24238 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_4 24239 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_5 24240 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_6 24241 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_7 24242 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NARROWS_GT2_8 24243 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 32.66 0.83 0.00 | 28.71 0.67 0.00 | 27.86 0.68 0.00 | 27.33 0.67 0.00 | 28.35 0.69 0.00 | 32.89 0.77 0.00 | 50.57 1.43 0.00 | 58.67 1.60 0.00 | 44.30 0.91 0.00 | 31.52 0.28 0.00 | 29.32 0.06 0.00 | 27.15 -0.03 0.00 | 27.66 -0.06 0.00 | 28.38 0.00 0.00 | 27.53 0.34 -0.90 | 29.63 0.54 -0.50 | 34.92 0.48 0.00 | 50.02 1.27 0.00 | 62.82 1.65 0.00 | 63.18 1.78 0.00 | 48.02 1.31 0.00 | 42.55 1.08 0.00 | 39.82 0.93 0.00 | 35.78 0.84 0.00 |
| NCHELSEA_115KV_TR2 355582 | 33.27 1.43 0.00 | 29.15 1.12 0.00 | 28.25 1.06 0.00 | 27.65 0.99 0.00 | 28.69 1.02 0.00 | 33.24 1.12 0.00 | 51.07 1.92 0.00 | 59.42 2.34 0.00 | 45.34 1.95 0.00 | 32.71 1.47 0.00 | 30.55 1.29 0.00 | 28.48 1.30 0.00 | 29.10 1.39 0.00 | 29.85 1.48 0.00 | 30.41 1.42 -2.70 | 31.62 1.54 -1.48 | 36.16 1.72 0.00 | 50.95 2.19 0.00 | 63.67 2.51 0.00 | 63.86 2.46 0.00 | 48.44 1.73 0.00 | 43.13 1.66 0.00 | 40.28 1.40 0.00 | 36.05 1.12 0.00 |
| NEG CAPITAL____MECHNVIL 23645 | 32.89 1.05 0.00 | 28.90 0.87 0.00 | 28.05 0.87 0.00 | 27.52 0.85 0.00 | 28.55 0.88 0.00 | 33.18 1.06 0.00 | 50.97 1.82 0.00 | 59.07 2.00 0.00 | 44.73 1.35 0.00 | 31.83 0.59 0.00 | 29.79 0.53 0.00 | 27.61 0.43 0.00 | 28.02 0.31 0.00 | 28.74 0.37 0.00 | 27.41 0.47 -0.65 | 29.62 0.69 -0.33 | 35.19 0.76 0.00 | 50.41 1.66 0.00 | 63.36 2.20 0.00 | 63.61 2.21 0.00 | 48.30 1.59 0.00 | 42.76 1.29 0.00 | 40.09 1.21 0.00 | 35.95 1.01 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 31.68 -0.16 0.00 | 28.06 0.03 0.00 | 27.24 0.05 0.00 | 26.80 0.13 0.00 | 27.72 0.06 0.00 | 31.96 -0.16 0.00 | 47.82 -1.32 0.00 | 55.59 -1.48 0.00 | 42.65 -0.74 0.00 | 30.90 -0.34 0.00 | 29.17 -0.09 0.00 | 26.82 -0.35 0.00 | 27.49 -0.22 0.00 | 28.09 -0.28 0.00 | 26.02 -0.26 0.00 | 27.83 -0.77 0.00 | 33.44 -1.00 0.00 | 47.10 -1.66 0.00 | 60.49 -0.67 0.00 | 60.42 -0.98 0.00 | 45.54 -1.17 0.00 | 40.15 -1.33 0.00 | 38.03 -0.86 0.00 | 34.66 -0.28 0.00 |

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| NEG CENTRAL___DRP 24199 | 32.19 0.35 0.00 | 28.42 0.39 0.00 | 27.57 0.38 0.00 | 27.12 0.45 0.00 | 28.08 0.41 0.00 | 32.57 0.45 0.00 | 49.20 0.05 0.00 | 57.25 0.17 0.00 | 43.60 0.22 0.00 | 31.46 0.22 0.00 | 29.55 0.29 0.00 | 27.25 0.08 0.00 | 27.88 0.17 0.00 | 28.52 0.14 0.00 | 26.36 0.08 0.00 | 28.45 -0.14 0.00 | 34.26 -0.17 0.00 | 48.46 -0.29 0.00 | 61.84 0.67 0.00 | 61.83 0.43 0.00 | 46.76 0.05 0.00 | 41.31 -0.17 0.00 | 38.85 -0.04 0.00 | 35.18 0.24 0.00 |
| NEG CENTRAL___INDECK 23768 | 33.30 1.47 0.00 | 29.57 1.54 0.00 | 28.71 1.52 0.00 | 28.32 1.65 0.00 | 29.27 1.60 0.00 | 33.75 1.64 0.00 | 50.42 1.28 0.00 | 58.62 1.54 0.00 | 44.51 1.13 0.00 | 32.02 0.78 0.00 | 30.20 0.94 0.00 | 27.66 0.49 0.00 | 28.35 0.64 0.00 | 28.91 0.54 0.00 | 26.35 0.50 0.43 | 28.42 0.06 0.24 | 34.61 0.17 0.00 | 49.14 0.39 0.00 | 64.04 2.88 0.00 | 64.04 2.64 0.00 | 48.11 1.40 0.00 | 42.22 0.75 0.00 | 40.01 1.13 0.00 | 36.51 1.57 0.00 |
| NEG CENTRAL___SENECA 23627 | 32.44 0.60 0.00 | 28.71 0.67 0.00 | 27.84 0.65 0.00 | 27.41 0.75 0.00 | 28.35 0.69 0.00 | 32.86 0.74 0.00 | 49.30 0.15 0.00 | 57.42 0.34 0.00 | 43.78 0.39 0.00 | 31.65 0.41 0.00 | 29.76 0.50 0.00 | 27.42 0.24 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.16 0.24 0.36 | 28.31 -0.09 0.20 | 34.37 -0.07 0.00 | 48.46 -0.29 0.00 | 62.20 1.04 0.00 | 62.14 0.74 0.00 | 46.90 0.19 0.00 | 41.35 -0.12 0.00 | 39.00 0.12 0.00 | 35.43 0.49 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 31.96 0.13 0.00 | 28.17 0.14 0.00 | 27.32 0.14 0.00 | 26.82 0.16 0.00 | 27.80 0.14 0.00 | 32.28 0.16 0.00 | 49.10 -0.05 0.00 | 57.19 0.11 0.00 | 43.47 0.09 0.00 | 31.30 0.06 0.00 | 29.35 0.09 0.00 | 27.15 -0.03 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.26 -0.03 0.00 | 28.45 -0.14 0.00 | 34.23 -0.21 0.00 | 48.51 -0.24 0.00 | 61.59 0.43 0.00 | 61.77 0.37 0.00 | 46.76 0.05 0.00 | 41.35 -0.12 0.00 | 38.77 -0.12 0.00 | 34.97 0.03 0.00 |
| NEG MILLWOOD___DRP 24198 | 33.37 1.53 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.80 1.13 0.00 | 33.37 1.25 0.00 | 51.21 2.06 0.00 | 59.70 2.63 0.00 | 45.51 2.13 0.00 | 32.80 1.56 0.00 | 30.69 1.43 0.00 | 28.59 1.41 0.00 | 29.21 1.50 0.00 | 29.99 1.62 0.00 | 30.13 1.52 -2.33 | 31.50 1.63 -1.27 | 36.26 1.83 0.00 | 51.24 2.49 0.00 | 63.98 2.81 0.00 | 64.04 2.64 0.00 | 48.62 1.92 0.00 | 43.26 1.78 0.00 | 40.40 1.52 0.00 | 36.16 1.22 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 32.66 0.83 0.00 | 28.93 0.90 0.00 | 28.00 0.82 0.00 | 27.36 0.69 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.23 1.08 0.00 | 57.76 0.68 0.00 | 44.12 0.74 0.00 | 31.80 0.56 0.00 | 29.73 0.47 0.00 | 27.74 0.57 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.57 0.29 0.00 | 28.94 0.34 0.00 | 35.12 0.69 0.00 | 49.39 0.63 0.00 | 62.02 0.86 0.00 | 62.45 1.04 0.00 | 47.92 1.21 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.47 1.54 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 32.12 0.29 0.00 | 28.42 0.39 0.00 | 27.51 0.33 0.00 | 26.90 0.24 0.00 | 27.94 0.28 0.00 | 32.63 0.51 0.00 | 49.98 0.84 0.00 | 57.82 0.74 0.00 | 43.82 0.43 0.00 | 31.55 0.31 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 26.39 0.11 0.00 | 28.74 0.14 0.00 | 34.85 0.41 0.00 | 49.34 0.59 0.00 | 61.90 0.73 0.00 | 62.38 0.98 0.00 | 47.64 0.93 0.00 | 42.55 1.08 0.00 | 39.90 1.01 0.00 | 35.78 0.84 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 32.66 0.83 0.00 | 28.96 0.93 0.00 | 28.00 0.82 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.57 1.43 0.00 | 58.22 1.14 0.00 | 44.30 0.91 0.00 | 31.93 0.69 0.00 | 29.82 0.56 0.00 | 27.82 0.65 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.65 0.37 0.00 | 29.00 0.40 0.00 | 35.26 0.83 0.00 | 49.78 1.02 0.00 | 62.51 1.35 0.00 | 63.06 1.66 0.00 | 48.25 1.54 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.44 1.50 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 32.66 0.83 0.00 | 28.96 0.93 0.00 | 28.00 0.82 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.57 1.43 0.00 | 58.22 1.14 0.00 | 44.30 0.91 0.00 | 31.93 0.69 0.00 | 29.82 0.56 0.00 | 27.82 0.65 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.65 0.37 0.00 | 29.00 0.40 0.00 | 35.26 0.83 0.00 | 49.78 1.02 0.00 | 62.51 1.35 0.00 | 63.06 1.66 0.00 | 48.25 1.54 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.44 1.50 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 32.66 0.83 0.00 | 28.96 0.92 0.00 | 28.00 0.81 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.58 1.43 0.00 | 58.28 1.20 0.00 | 44.30 0.91 0.00 | 31.93 0.69 0.00 | 29.82 0.55 0.00 | 27.82 0.65 0.00 | 28.27 0.55 0.00 | 28.86 0.48 0.00 | 26.65 0.37 0.00 | 29.00 0.40 0.00 | 35.26 0.83 0.00 | 49.78 1.03 0.00 | 62.51 1.34 0.00 | 63.06 1.66 0.00 | 48.25 1.54 0.00 | 43.34 1.87 0.00 | 40.67 1.79 0.00 | 36.44 1.50 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 32.44 0.60 0.00 | 29.24 1.21 0.00 | 28.35 1.17 0.00 | 27.81 1.15 0.00 | 28.63 0.97 0.00 | 32.57 0.45 0.00 | 47.23 -1.92 0.00 | 54.28 -2.80 0.00 | 42.43 -0.95 0.00 | 31.09 -0.16 0.00 | 29.61 0.35 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.95 0.05 0.38 | 27.44 -0.94 0.21 | 33.06 -1.38 0.00 | 46.17 -2.58 0.00 | 60.00 -1.16 0.00 | 59.25 -2.15 0.00 | 44.70 -2.01 0.00 | 39.19 -2.28 0.00 | 37.64 -1.24 0.00 | 35.04 0.10 0.00 |
| NEG WEST___LANCASTR 23811 | 32.22 0.38 0.00 | 28.79 0.76 0.00 | 27.86 0.68 0.00 | 27.52 0.85 0.00 | 28.35 0.69 0.00 | 32.47 0.35 0.00 | 47.48 -1.67 0.00 | 54.62 -2.45 0.00 | 42.47 -0.91 0.00 | 31.09 -0.16 0.00 | 29.52 0.26 0.00 | 27.04 -0.14 0.00 | 27.72 0.00 0.00 | 28.26 -0.11 0.00 | 25.83 -0.03 0.43 | 27.33 -1.03 0.24 | 33.20 -1.24 0.00 | 46.51 -2.24 0.00 | 60.43 -0.73 0.00 | 59.68 -1.72 0.00 | 44.93 -1.77 0.00 | 39.36 -2.12 0.00 | 37.56 -1.32 0.00 | 34.83 -0.10 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 32.35 0.51 0.00 | 28.54 0.51 0.00 | 27.68 0.49 0.00 | 27.20 0.53 0.00 | 28.19 0.52 0.00 | 32.60 0.48 0.00 | 49.40 0.25 0.00 | 57.59 0.51 0.00 | 43.86 0.48 0.00 | 31.65 0.41 0.00 | 29.73 0.47 0.00 | 27.47 0.30 0.00 | 28.08 0.36 0.00 | 28.72 0.34 0.00 | 25.82 0.29 0.75 | 28.26 0.09 0.42 | 34.50 0.07 0.00 | 48.75 0.00 0.00 | 61.90 0.74 0.00 | 61.89 0.49 0.00 | 46.90 0.19 0.00 | 41.47 0.00 0.00 | 39.00 0.12 0.00 | 35.25 0.31 0.00 |
| NEG___GEN_MONROE 24207 | 32.57 0.73 0.00 | 28.99 0.95 0.00 | 28.11 0.92 0.00 | 27.68 1.01 0.00 | 28.55 0.89 0.00 | 32.86 0.74 0.00 | 48.71 -0.44 0.00 | 56.39 -0.68 0.00 | 43.52 0.13 0.00 | 31.59 0.34 0.00 | 29.85 0.59 0.00 | 27.42 0.24 0.00 | 28.11 0.39 0.00 | 28.69 0.31 0.00 | 26.60 0.32 0.00 | 28.25 -0.34 0.00 | 33.95 -0.48 0.00 | 47.73 -1.02 0.00 | 61.59 0.43 0.00 | 61.22 -0.18 0.00 | 46.24 -0.47 0.00 | 40.69 -0.79 0.00 | 38.65 -0.23 0.00 | 35.50 0.56 0.00 |
| NEPA___ENERGY 23901 | 32.70 0.86 0.00 | 29.18 1.15 0.00 | 28.22 1.03 0.00 | 27.89 1.23 0.00 | 28.74 1.08 0.00 | 32.89 0.77 0.00 | 48.07 -1.08 0.00 | 55.48 -1.60 0.00 | 43.08 -0.30 0.00 | 31.55 0.31 0.00 | 29.99 0.73 0.00 | 27.47 0.30 0.00 | 28.16 0.44 0.00 | 28.69 0.31 0.00 | 26.22 0.37 0.43 | 27.76 -0.60 0.24 | 33.75 -0.69 0.00 | 47.29 -1.46 0.00 | 61.41 0.24 0.00 | 60.60 -0.80 0.00 | 45.64 -1.07 0.00 | 40.02 -1.45 0.00 | 38.11 -0.78 0.00 | 35.29 0.35 0.00 |

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| NEVERSINK___HYD 23608 | 33.14 1.31 0.00 | 29.07 1.04 0.00 | 28.16 0.98 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.18 1.06 0.00 | 50.92 1.77 0.00 | 59.36 2.29 0.00 | 45.16 1.78 0.00 | 32.52 1.28 0.00 | 30.34 1.08 0.00 | 28.29 1.11 0.00 | 28.91 1.19 0.00 | 29.65 1.28 0.00 | 27.49 1.21 0.00 | 29.94 1.34 0.00 | 35.91 1.48 0.00 | 50.65 1.90 0.00 | 63.49 2.32 0.00 | 63.73 2.33 0.00 | 48.39 1.68 0.00 | 43.05 1.58 0.00 | 40.13 1.24 0.00 | 35.95 1.01 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 32.12 0.29 0.00 | 28.20 0.17 0.00 | 27.35 0.16 0.00 | 26.82 0.16 0.00 | 27.83 0.17 0.00 | 32.28 0.16 0.00 | 49.49 0.34 0.00 | 57.48 0.40 0.00 | 43.73 0.35 0.00 | 31.34 0.09 0.00 | 29.29 0.03 0.00 | 27.20 0.03 0.00 | 27.66 -0.06 0.00 | 28.38 0.00 0.00 | 27.08 0.11 -0.69 | 29.20 0.23 -0.38 | 34.68 0.24 0.00 | 49.19 0.44 0.00 | 61.47 0.31 0.00 | 61.71 0.31 0.00 | 46.94 0.23 0.00 | 41.64 0.17 0.00 | 39.04 0.16 0.00 | 35.04 0.10 0.00 |
| NEWTON___FALLS_HYD 23847 | 32.19 0.35 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 26.90 0.24 0.00 | 28.02 0.36 0.00 | 32.82 0.71 0.00 | 50.48 1.33 0.00 | 58.62 1.54 0.00 | 43.95 0.56 0.00 | 31.43 0.19 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.91 0.19 0.00 | 28.55 0.17 0.00 | 26.26 -0.03 0.00 | 28.68 0.09 0.00 | 34.64 0.21 0.00 | 49.48 0.73 0.00 | 62.39 1.22 0.00 | 63.06 1.66 0.00 | 48.30 1.59 0.00 | 43.09 1.62 0.00 | 40.40 1.52 0.00 | 36.12 1.19 0.00 |
| NGRID_A1_DSASP 323792 | 32.57 0.73 0.00 | 29.10 1.06 0.00 | 28.24 1.06 0.00 | 27.46 0.80 0.00 | 28.71 1.05 0.00 | 32.47 0.35 0.00 | 46.35 -2.80 0.00 | 53.42 -3.65 0.00 | 41.65 -1.74 0.00 | 30.58 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.03 -1.34 0.22 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.65 -2.51 0.00 | 58.09 -3.32 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 37.21 -1.67 0.00 | 35.04 0.11 0.00 |
| NGRID_A2_DSASP 323793 | 32.57 0.73 0.00 | 29.10 1.06 0.00 | 28.24 1.06 0.00 | 27.46 0.80 0.00 | 28.71 1.05 0.00 | 32.47 0.35 0.00 | 46.35 -2.80 0.00 | 53.42 -3.65 0.00 | 41.65 -1.74 0.00 | 30.58 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.03 -1.34 0.22 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.65 -2.51 0.00 | 58.09 -3.32 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 37.21 -1.67 0.00 | 35.04 0.11 0.00 |
| NGRID_A4_DSASP 323807 | 32.57 0.73 0.00 | 29.10 1.06 0.00 | 28.24 1.06 0.00 | 27.46 0.80 0.00 | 28.71 1.05 0.00 | 32.47 0.35 0.00 | 46.35 -2.80 0.00 | 53.42 -3.65 0.00 | 41.65 -1.74 0.00 | 30.58 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.03 -1.34 0.22 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.65 -2.51 0.00 | 58.09 -3.32 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 37.21 -1.67 0.00 | 35.04 0.11 0.00 |
| NIAGARA_115E_LBMP 323715 | 32.00 0.16 0.00 | 28.68 0.65 0.00 | 27.84 0.65 0.00 | 27.92 1.25 0.00 | 28.33 0.66 0.00 | 32.12 0.00 0.00 | 46.49 -2.65 0.00 | 53.59 -3.48 0.00 | 41.74 -1.65 0.00 | 30.62 -0.62 0.00 | 29.23 -0.03 0.00 | 26.68 -0.49 0.00 | 27.36 -0.36 0.00 | 27.92 -0.46 0.00 | 25.58 -0.31 0.39 | 27.06 -1.31 0.22 | 32.54 -1.89 0.00 | 45.39 -3.36 0.00 | 58.90 -2.26 0.00 | 58.33 -3.07 0.00 | 43.91 -2.80 0.00 | 38.53 -2.94 0.00 | 37.29 -1.60 0.00 | 34.62 -0.32 0.00 |
| NIAGARA_115W_LBMP 323714 | 32.54 0.70 0.00 | 29.07 1.04 0.00 | 28.22 1.03 0.00 | 27.38 0.72 0.00 | 28.69 1.02 0.00 | 32.41 0.29 0.00 | 46.25 -2.90 0.00 | 53.25 -3.82 0.00 | 41.52 -1.86 0.00 | 30.49 -0.75 0.00 | 29.12 -0.15 0.00 | 26.57 -0.60 0.00 | 27.25 -0.47 0.00 | 27.81 -0.57 0.00 | 25.47 -0.42 0.39 | 26.95 -1.43 0.22 | 32.40 -2.03 0.00 | 45.15 -3.61 0.00 | 58.54 -2.63 0.00 | 57.96 -3.44 0.00 | 43.67 -3.04 0.00 | 38.32 -3.15 0.00 | 37.14 -1.75 0.00 | 34.97 0.03 0.00 |
| NIAGARA_230_LBMP 323716 | 32.35 0.51 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.65 0.99 0.00 | 28.52 0.86 0.00 | 32.41 0.29 0.00 | 46.89 -2.26 0.00 | 54.05 -3.03 0.00 | 42.08 -1.30 0.00 | 30.90 -0.34 0.00 | 29.49 0.23 0.00 | 26.93 -0.25 0.00 | 27.61 -0.11 0.00 | 28.18 -0.20 0.00 | 25.79 -0.10 0.39 | 27.32 -1.06 0.22 | 32.89 -1.55 0.00 | 45.88 -2.88 0.00 | 59.39 -1.78 0.00 | 58.83 -2.58 0.00 | 44.33 -2.38 0.00 | 38.94 -2.53 0.00 | 37.64 -1.25 0.00 | 34.94 0.00 0.00 |
| NIAGARA___115KV_198_GIBSON 55903 | 32.54 0.70 0.00 | 28.57 0.53 0.00 | 27.70 0.52 0.00 | 27.86 1.20 0.00 | 28.66 1.00 0.00 | 32.41 0.29 0.00 | 46.20 -2.95 0.00 | 53.02 -4.05 0.00 | 41.56 -1.82 0.00 | 30.49 -0.75 0.00 | 29.11 -0.15 0.00 | 26.57 -0.60 0.00 | 27.25 -0.47 0.00 | 27.81 -0.57 0.00 | 25.47 -0.42 0.39 | 26.95 -1.43 0.21 | 32.40 -2.03 0.00 | 45.15 -3.61 0.00 | 58.53 -2.63 0.00 | 57.78 -3.62 0.00 | 43.63 -3.08 0.00 | 38.32 -3.15 0.00 | 36.86 -2.02 0.00 | 34.90 -0.03 0.00 |
| NIAGARA____ 23760 | 32.35 0.51 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.65 0.99 0.00 | 28.52 0.86 0.00 | 32.41 0.29 0.00 | 46.89 -2.26 0.00 | 54.05 -3.03 0.00 | 42.08 -1.30 0.00 | 30.90 -0.34 0.00 | 29.49 0.23 0.00 | 26.93 -0.25 0.00 | 27.61 -0.11 0.00 | 28.18 -0.20 0.00 | 25.79 -0.10 0.39 | 27.32 -1.06 0.22 | 32.89 -1.55 0.00 | 45.88 -2.88 0.00 | 59.39 -1.78 0.00 | 58.83 -2.58 0.00 | 44.33 -2.38 0.00 | 38.94 -2.53 0.00 | 37.64 -1.25 0.00 | 34.94 0.00 0.00 |
| NINE_MILE_1 23575 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 25.97 -0.69 0.00 | 26.94 -0.72 0.00 | 31.25 -0.87 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.17 -1.21 0.00 | 30.40 -0.84 0.00 | 28.50 -0.76 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.42 0.00 | 59.45 -1.71 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.96 -0.98 0.00 |
| NINE_MILE_2 23744 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 25.97 -0.69 0.00 | 26.94 -0.72 0.00 | 31.25 -0.87 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.17 -1.21 0.00 | 30.40 -0.84 0.00 | 28.53 -0.73 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.42 0.00 | 59.52 -1.65 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.96 -0.98 0.00 |
| NM_CAPITAL___DRP 24208 | 32.19 0.35 0.00 | 28.26 0.22 0.00 | 27.43 0.24 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.34 0.22 0.00 | 49.64 0.49 0.00 | 57.59 0.51 0.00 | 43.82 0.43 0.00 | 31.46 0.22 0.00 | 29.41 0.15 0.00 | 27.31 0.14 0.00 | 27.77 0.06 0.00 | 28.49 0.11 0.00 | 27.20 0.21 -0.71 | 29.33 0.34 -0.39 | 34.81 0.38 0.00 | 49.39 0.63 0.00 | 61.65 0.49 0.00 | 61.89 0.49 0.00 | 47.08 0.37 0.00 | 41.76 0.29 0.00 | 39.16 0.27 0.00 | 35.15 0.21 0.00 |
| NM_CENTRAL___DRP 24181 | 31.55 -0.29 0.00 | 27.81 -0.22 0.00 | 26.97 -0.22 0.00 | 26.48 -0.19 0.00 | 27.44 -0.22 0.00 | 31.86 -0.26 0.00 | 48.66 -0.49 0.00 | 56.62 -0.46 0.00 | 43.04 -0.35 0.00 | 30.99 -0.25 0.00 | 29.06 -0.20 0.00 | 26.93 -0.24 0.00 | 27.50 -0.22 0.00 | 28.15 -0.23 0.00 | 26.02 -0.26 0.00 | 28.28 -0.31 0.00 | 34.02 -0.41 0.00 | 48.12 -0.63 0.00 | 60.61 -0.55 0.00 | 60.85 -0.55 0.00 | 46.10 -0.61 0.00 | 40.89 -0.58 0.00 | 38.38 -0.51 0.00 | 34.55 -0.38 0.00 |

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| NM_FRONTIER___DRP 24179 | 32.54 0.70 0.00 | 28.57 0.53 0.00 | 27.70 0.52 0.00 | 27.86 1.20 0.00 | 28.66 1.00 0.00 | 32.41 0.29 0.00 | 46.20 -2.95 0.00 | 53.02 -4.05 0.00 | 41.56 -1.82 0.00 | 30.49 -0.75 0.00 | 29.11 -0.15 0.00 | 26.57 -0.60 0.00 | 27.25 -0.47 0.00 | 27.81 -0.57 0.00 | 25.47 -0.42 0.39 | 26.95 -1.43 0.21 | 32.40 -2.03 0.00 | 45.15 -3.61 0.00 | 58.53 -2.63 0.00 | 57.78 -3.62 0.00 | 43.63 -3.08 0.00 | 38.32 -3.15 0.00 | 36.86 -2.02 0.00 | 34.90 -0.03 0.00 |
| NM_ST_REGIS___HYD 24053 | 32.38 0.54 0.00 | 28.68 0.64 0.00 | 27.78 0.60 0.00 | 27.06 0.40 0.00 | 28.13 0.47 0.00 | 32.95 0.84 0.00 | 50.72 1.57 0.00 | 58.73 1.66 0.00 | 44.17 0.78 0.00 | 31.71 0.47 0.00 | 29.58 0.32 0.00 | 27.58 0.41 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.44 0.16 0.00 | 28.82 0.23 0.00 | 34.88 0.45 0.00 | 49.58 0.83 0.00 | 62.27 1.10 0.00 | 62.94 1.54 0.00 | 48.30 1.59 0.00 | 43.13 1.66 0.00 | 40.56 1.67 0.00 | 36.26 1.33 0.00 |
| NORTHPORT___1 23551 | 32.83 0.99 0.00 | 28.48 0.45 0.00 | 27.51 0.33 0.00 | 26.99 0.32 0.00 | 27.82 0.17 0.01 | 32.27 0.16 0.01 | 46.46 0.05 2.74 | 46.46 -0.29 10.90 | 44.29 0.91 0.01 | 32.33 1.09 0.01 | 30.23 0.96 0.00 | 28.23 1.06 0.00 | 28.88 1.16 0.00 | 29.77 1.39 0.00 | 29.89 1.26 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.38 0.63 0.01 | 61.59 0.43 0.01 | 62.20 0.80 0.00 | 46.99 0.28 0.00 | 42.30 0.83 0.00 | 39.62 0.74 0.00 | 35.22 0.28 0.00 |
| NORTHPORT___2 23552 | 32.83 0.99 0.00 | 28.48 0.45 0.00 | 27.51 0.33 0.00 | 26.99 0.32 0.00 | 27.82 0.17 0.01 | 32.27 0.16 0.01 | 46.46 0.05 2.74 | 46.46 -0.29 10.90 | 44.29 0.91 0.01 | 32.33 1.09 0.01 | 30.23 0.96 0.00 | 28.23 1.06 0.00 | 28.88 1.16 0.00 | 29.77 1.39 0.00 | 29.89 1.26 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.38 0.63 0.01 | 61.59 0.43 0.01 | 62.20 0.80 0.00 | 46.99 0.28 0.00 | 42.30 0.83 0.00 | 39.62 0.74 0.00 | 35.22 0.28 0.00 |
| NORTHPORT___3 23553 | 33.02 1.18 0.00 | 28.68 0.65 0.00 | 27.68 0.49 0.00 | 27.15 0.48 0.00 | 28.01 0.36 0.01 | 32.50 0.39 0.01 | 46.50 0.05 2.70 | 46.68 0.34 10.74 | 44.50 1.13 0.01 | 31.67 0.34 -0.08 | 30.40 1.14 0.00 | 28.40 1.22 0.00 | 29.05 1.33 0.00 | 29.91 1.53 0.00 | 30.04 1.42 -2.34 | 31.68 1.80 -1.28 | 36.33 1.89 0.00 | 49.38 0.63 0.01 | 61.59 0.43 0.01 | 62.14 0.74 0.00 | 46.94 0.23 0.00 | 42.35 0.87 0.00 | 39.82 0.93 0.00 | 35.43 0.49 0.00 |
| NORTHPORT___4 23650 | 33.02 1.18 0.00 | 28.68 0.65 0.00 | 27.68 0.49 0.00 | 27.15 0.48 0.00 | 28.01 0.36 0.01 | 32.50 0.39 0.01 | 46.50 0.05 2.70 | 46.68 0.34 10.74 | 44.50 1.13 0.01 | 31.67 0.34 -0.08 | 30.40 1.14 0.00 | 28.40 1.22 0.00 | 29.05 1.33 0.00 | 29.91 1.53 0.00 | 30.04 1.42 -2.34 | 31.68 1.80 -1.28 | 36.33 1.89 0.00 | 49.38 0.63 0.01 | 61.59 0.43 0.01 | 62.14 0.74 0.00 | 46.94 0.23 0.00 | 42.35 0.87 0.00 | 39.82 0.93 0.00 | 35.43 0.49 0.00 |
| NORTHPORT___IC 23718 | 32.82 0.99 0.00 | 28.48 0.45 0.00 | 27.57 0.38 0.00 | 26.98 0.32 0.00 | 27.82 0.17 0.01 | 32.24 0.13 0.01 | 46.46 0.05 2.74 | 46.52 0.34 10.90 | 44.16 0.78 0.01 | 32.33 1.09 0.01 | 30.23 0.97 0.00 | 28.23 1.06 0.00 | 28.88 1.16 0.00 | 29.77 1.39 0.00 | 29.91 1.29 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.38 0.63 0.01 | 61.58 0.43 0.01 | 62.20 0.80 0.00 | 46.99 0.28 0.00 | 42.55 1.08 0.00 | 39.70 0.82 0.00 | 35.25 0.31 0.00 |
| NORTH___COUNTRY_ESR 323785 | 32.06 0.22 0.00 | 28.37 0.34 0.00 | 27.46 0.27 0.00 | 26.85 0.19 0.00 | 27.88 0.22 0.00 | 32.57 0.45 0.00 | 49.84 0.69 0.00 | 57.65 0.57 0.00 | 43.77 0.39 0.00 | 31.52 0.28 0.00 | 29.47 0.21 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.78 0.34 0.00 | 49.24 0.49 0.00 | 61.78 0.61 0.00 | 62.20 0.80 0.00 | 47.50 0.79 0.00 | 42.43 0.95 0.00 | 39.82 0.93 0.00 | 35.67 0.73 0.00 |
| NPX_GEN_1385_PROXY 323591 | 32.83 0.99 0.00 | 28.48 0.45 0.00 | 27.51 0.33 0.00 | 26.99 0.32 0.00 | 27.82 0.17 0.01 | 32.27 0.16 0.01 | 46.46 0.05 2.74 | 46.46 -0.29 10.90 | 44.29 0.91 0.01 | 32.33 1.09 0.01 | 30.23 0.96 0.00 | 28.23 1.06 0.00 | 28.88 1.16 0.00 | 29.77 1.39 0.00 | 29.89 1.26 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.38 0.63 0.01 | 61.59 0.43 0.01 | 62.20 0.80 0.00 | 46.99 0.28 0.00 | 42.30 0.83 0.00 | 39.62 0.74 0.00 | 35.22 0.28 0.00 |
| NPX_GEN_CSC 323557 | 32.47 0.64 0.00 | 28.12 0.08 0.00 | 27.13 -0.05 0.00 | 26.66 0.00 0.00 | 27.43 -0.22 0.01 | 31.78 -0.29 0.05 | 46.11 -0.34 2.70 | 46.21 -0.11 10.75 | 43.81 0.43 0.01 | 29.93 0.55 1.75 | 29.82 0.65 0.00 | 27.82 0.77 0.00 | 28.49 1.05 0.00 | 29.43 0.94 0.00 | 29.57 0.94 -2.34 | 31.28 1.40 -1.28 | 35.81 1.38 0.00 | 49.23 0.49 0.01 | 61.34 0.18 0.01 | 62.08 0.68 0.00 | 46.90 0.19 0.00 | 42.10 0.62 0.00 | 39.23 0.35 0.00 | 34.80 -0.14 0.00 |
| NSINS_S_GLNS_FALLS 23858 | 32.76 0.92 0.00 | 28.79 0.76 0.00 | 27.97 0.79 0.00 | 27.44 0.77 0.00 | 28.49 0.83 0.00 | 33.11 1.00 0.00 | 50.82 1.67 0.00 | 58.90 1.83 0.00 | 44.51 1.13 0.00 | 31.46 0.22 0.00 | 29.85 0.59 0.00 | 27.58 0.41 0.00 | 27.97 0.25 0.00 | 28.72 0.34 0.00 | 27.36 0.45 -0.63 | 29.69 0.74 -0.35 | 34.75 0.31 0.00 | 50.02 1.27 0.00 | 63.06 1.90 0.00 | 63.43 2.03 0.00 | 48.16 1.45 0.00 | 42.55 1.08 0.00 | 39.93 1.05 0.00 | 35.74 0.80 0.00 |
| NUCOR_STEEL___DRP 24197 | 32.00 0.16 0.00 | 28.20 0.17 0.00 | 27.35 0.16 0.00 | 26.88 0.21 0.00 | 27.86 0.19 0.00 | 32.31 0.19 0.00 | 49.15 0.00 0.00 | 57.25 0.17 0.00 | 43.52 0.13 0.00 | 31.30 0.06 0.00 | 29.35 0.09 0.00 | 27.15 -0.03 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.26 -0.03 0.00 | 28.45 -0.14 0.00 | 34.26 -0.17 0.00 | 48.56 -0.20 0.00 | 61.53 0.37 0.00 | 61.77 0.37 0.00 | 46.76 0.05 0.00 | 41.39 -0.08 0.00 | 38.81 -0.08 0.00 | 35.01 0.07 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 32.03 0.19 0.00 | 28.28 0.25 0.00 | 27.54 0.35 0.00 | 26.77 0.11 0.00 | 27.91 0.25 0.00 | 32.66 0.55 0.00 | 50.33 1.18 0.00 | 58.50 1.43 0.00 | 43.86 0.48 0.00 | 31.34 0.09 0.00 | 29.23 -0.03 0.00 | 27.12 -0.05 0.00 | 27.97 0.25 0.00 | 28.63 0.25 0.00 | 26.33 0.05 0.00 | 28.80 0.20 0.00 | 34.78 0.34 0.00 | 49.88 1.12 0.00 | 63.00 1.83 0.00 | 63.61 2.21 0.00 | 48.48 1.77 0.00 | 43.09 1.62 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 31.84 0.00 0.00 | 28.03 0.00 0.00 | 27.19 0.00 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.12 0.00 0.00 | 49.15 0.00 0.00 | 57.08 0.00 0.00 | 43.39 0.00 0.00 | 31.24 0.00 0.00 | 29.26 0.00 0.00 | 27.17 0.00 0.00 | 27.72 0.00 0.00 | 28.38 0.00 0.00 | 26.28 0.00 0.00 | 28.60 0.00 0.00 | 34.44 0.00 0.00 | 48.75 0.00 0.00 | 61.16 0.00 0.00 | 61.40 0.00 0.00 | 46.71 0.00 0.00 | 41.47 0.00 0.00 | 38.88 0.00 0.00 | 34.94 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 33.17 1.34 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.10 0.44 0.01 | 32.56 0.45 0.01 | 46.74 0.20 2.60 | 47.23 0.51 10.36 | 44.72 1.35 0.01 | 32.31 1.25 0.18 | 30.43 1.17 0.00 | 28.40 1.22 0.00 | 29.07 1.36 0.00 | 29.99 1.62 0.00 | 30.10 1.47 -2.34 | 31.83 1.95 -1.28 | 36.50 2.07 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.18 1.78 0.00 | 47.69 0.98 0.00 | 42.80 1.33 0.00 | 40.01 1.13 0.00 | 35.53 0.59 0.00 |

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| NYPA_GOWANUS____GT5 24156 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NYPA_GOWANUS____GT6 24157 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.90 2.52 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.31 1.36 -0.01 |
| NYPA_HARLEM__RVR__GT1 24160 | 33.53 1.69 -0.01 | 29.36 1.32 -0.01 | 28.39 1.19 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.47 1.35 -0.01 | 50.97 1.82 0.00 | 59.65 2.57 0.00 | 45.68 2.30 0.00 | 33.03 1.78 -0.01 | 31.04 1.79 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.27 1.90 0.01 | 30.46 1.84 -2.34 | 31.85 1.97 -1.28 | 36.60 2.17 0.01 | 50.60 1.85 0.01 | 62.93 1.77 0.01 | 62.99 1.59 0.01 | 48.01 1.31 0.01 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.10 1.15 -0.01 |
| NYPA_HARLEM__RVR__GT2 24161 | 33.53 1.69 -0.01 | 29.36 1.32 -0.01 | 28.39 1.19 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.47 1.35 -0.01 | 50.97 1.82 0.00 | 59.65 2.57 0.00 | 45.68 2.30 0.00 | 33.03 1.78 -0.01 | 31.04 1.79 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.27 1.90 0.01 | 30.46 1.84 -2.34 | 31.85 1.97 -1.28 | 36.60 2.17 0.01 | 50.60 1.85 0.01 | 62.93 1.77 0.01 | 62.99 1.59 0.01 | 48.01 1.31 0.01 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.10 1.15 -0.01 |
| NYPA_KENT____GT 24152 | 33.66 1.81 -0.01 | 29.44 1.40 -0.01 | 28.47 1.28 -0.01 | 27.90 1.23 -0.01 | 28.92 1.25 -0.01 | 33.57 1.45 -0.01 | 51.06 1.91 0.00 | 59.76 2.68 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.03 1.85 -0.01 | 29.61 1.89 -0.01 | 30.34 1.96 -0.01 | 30.53 1.89 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.80 2.05 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.27 1.33 -0.01 |
| NYPA_POUCH1____GT 24155 | 33.76 1.91 -0.01 | 29.55 1.51 -0.01 | 28.55 1.36 -0.01 | 27.98 1.31 -0.01 | 29.03 1.36 -0.01 | 33.67 1.54 -0.01 | 51.21 2.06 0.00 | 59.98 2.91 0.00 | 45.99 2.60 0.00 | 33.16 1.91 -0.01 | 31.05 1.79 -0.01 | 28.95 1.77 -0.01 | 29.53 1.80 -0.01 | 30.26 1.87 -0.01 | 30.43 1.79 -2.36 | 31.86 1.97 -1.29 | 36.68 2.24 -0.01 | 50.61 1.85 0.00 | 63.06 1.90 0.00 | 63.06 1.66 0.00 | 48.07 1.36 0.00 | 43.22 1.74 0.00 | 40.32 1.44 0.00 | 36.34 1.40 -0.01 |
| NYPA_VERNON____GT2 24162 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.54 1.41 -0.01 | 51.02 1.87 0.00 | 59.65 2.57 0.00 | 45.77 2.38 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.05 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.56 1.92 -2.36 | 31.95 2.06 -1.30 | 36.72 2.27 -0.01 | 50.80 2.05 0.00 | 63.30 2.14 0.00 | 63.31 1.91 0.00 | 48.25 1.54 0.00 | 43.30 1.82 0.00 | 40.44 1.56 0.00 | 36.20 1.26 -0.01 |
| NYPA_VERNON____GT3 24163 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.54 1.41 -0.01 | 51.02 1.87 0.00 | 59.65 2.57 0.00 | 45.77 2.38 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.05 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.56 1.92 -2.36 | 31.95 2.06 -1.30 | 36.72 2.27 -0.01 | 50.80 2.05 0.00 | 63.30 2.14 0.00 | 63.31 1.91 0.00 | 48.25 1.54 0.00 | 43.30 1.82 0.00 | 40.44 1.56 0.00 | 36.20 1.26 -0.01 |
| NYPA____ASTORIA_CC1 323568 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.84 1.17 -0.01 | 28.89 1.22 -0.01 | 33.54 1.41 -0.01 | 50.97 1.82 0.00 | 59.58 2.51 0.00 | 45.73 2.34 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.05 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.26 1.78 0.00 | 40.40 1.51 0.00 | 36.20 1.26 -0.01 |
| NYPA____ASTORIA_CC2 323569 | 33.63 1.78 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.84 1.17 -0.01 | 28.89 1.22 -0.01 | 33.54 1.41 -0.01 | 50.97 1.82 0.00 | 59.58 2.51 0.00 | 45.73 2.34 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.05 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.75 2.00 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 48.20 1.49 0.00 | 43.26 1.78 0.00 | 40.40 1.51 0.00 | 36.20 1.26 -0.01 |
| NYPA____HOLTSVILL 23794 | 32.73 0.89 0.00 | 28.37 0.34 0.00 | 27.38 0.19 0.00 | 26.90 0.24 0.00 | 27.68 0.03 0.01 | 32.07 0.00 0.05 | 46.49 0.05 2.71 | 46.58 0.29 10.78 | 44.16 0.78 0.01 | 30.21 0.72 1.75 | 30.11 0.85 0.00 | 28.10 0.92 0.00 | 28.77 1.05 0.00 | 29.68 1.31 0.00 | 29.81 1.18 -2.34 | 31.51 1.63 -1.28 | 36.09 1.65 0.00 | 49.52 0.78 0.01 | 61.77 0.61 0.01 | 62.44 1.04 0.00 | 47.18 0.47 0.00 | 42.35 0.87 0.00 | 39.55 0.66 0.00 | 35.08 0.14 0.00 |
| NYPA____HELLGATE_GT1 24158 | 33.53 1.69 -0.01 | 29.36 1.32 -0.01 | 28.39 1.19 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.47 1.35 -0.01 | 50.97 1.82 0.00 | 59.65 2.57 0.00 | 45.68 2.30 0.00 | 33.03 1.78 -0.01 | 31.04 1.79 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.27 1.90 0.01 | 30.46 1.84 -2.34 | 31.85 1.97 -1.28 | 36.60 2.17 0.01 | 50.55 1.80 0.01 | 62.87 1.71 0.01 | 62.93 1.54 0.01 | 48.01 1.31 0.01 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.10 1.15 -0.01 |
| NYPA____HELLGATE_GT2 24159 | 33.53 1.69 -0.01 | 29.36 1.32 -0.01 | 28.39 1.19 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.47 1.35 -0.01 | 50.97 1.82 0.00 | 59.65 2.57 0.00 | 45.68 2.30 0.00 | 33.03 1.78 -0.01 | 31.04 1.79 0.01 | 28.96 1.79 0.01 | 29.54 1.83 0.01 | 30.27 1.90 0.01 | 30.46 1.84 -2.34 | 31.85 1.97 -1.28 | 36.60 2.17 0.01 | 50.55 1.80 0.01 | 62.87 1.71 0.01 | 62.93 1.54 0.01 | 48.01 1.31 0.01 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.10 1.15 -0.01 |
| NYS_BARGE____HYD 23848 | 32.41 0.57 0.00 | 29.01 0.98 0.00 | 28.16 0.98 0.00 | 28.08 1.41 0.00 | 28.66 0.99 0.00 | 32.57 0.45 0.00 | 47.28 -1.87 0.00 | 54.51 -2.57 0.00 | 42.39 -1.00 0.00 | 31.06 -0.19 0.00 | 29.61 0.35 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.29 -0.08 0.00 | 25.93 0.03 0.38 | 27.44 -0.94 0.21 | 33.06 -1.38 0.00 | 46.17 -2.59 0.00 | 60.00 -1.16 0.00 | 59.43 -1.97 0.00 | 44.70 -2.01 0.00 | 39.19 -2.28 0.00 | 37.87 -1.01 0.00 | 35.11 0.18 0.00 |
| OAK ORCHARD____HYD 24046 | 32.35 0.51 0.00 | 28.70 0.67 0.00 | 27.87 0.68 0.00 | 27.41 0.75 0.00 | 28.33 0.66 0.00 | 32.60 0.48 0.00 | 48.51 -0.64 0.00 | 56.33 -0.74 0.00 | 43.34 -0.04 0.00 | 31.46 0.22 0.00 | 29.76 0.50 0.00 | 27.34 0.16 0.00 | 28.02 0.31 0.00 | 28.63 0.25 0.00 | 26.54 0.26 0.00 | 28.28 -0.31 0.00 | 33.99 -0.45 0.00 | 47.83 -0.93 0.00 | 61.53 0.37 0.00 | 61.34 -0.06 0.00 | 46.24 -0.47 0.00 | 40.68 -0.79 0.00 | 38.69 -0.19 0.00 | 35.32 0.39 0.00 |

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| OAKDALE___35_KV_LOAD 356122 | 32.19 0.35 0.00 | 28.42 0.39 0.00 | 27.54 0.35 0.00 | 27.09 0.43 0.00 | 28.05 0.39 0.00 | 32.44 0.32 0.00 | 49.15 0.00 0.00 | 57.25 0.17 0.00 | 43.65 0.26 0.00 | 31.52 0.28 0.00 | 29.61 0.35 0.00 | 27.36 0.19 0.00 | 27.97 0.25 0.00 | 28.60 0.23 0.00 | 25.76 0.21 0.74 | 28.16 -0.03 0.40 | 34.33 -0.10 0.00 | 48.56 -0.20 0.00 | 61.53 0.37 0.00 | 61.52 0.12 0.00 | 46.62 -0.09 0.00 | 41.27 -0.21 0.00 | 38.77 -0.12 0.00 | 35.08 0.14 0.00 |
| OCC_CHEM___DRP 24175 | 32.57 0.73 0.00 | 28.65 0.62 0.00 | 27.76 0.57 0.00 | 27.89 1.23 0.00 | 28.69 1.02 0.00 | 32.44 0.32 0.00 | 46.35 -2.80 0.00 | 53.19 -3.88 0.00 | 41.65 -1.74 0.00 | 30.59 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.04 -1.34 0.21 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.66 -2.51 0.00 | 57.96 -3.44 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 36.98 -1.91 0.00 | 34.94 0.00 0.00 |
| OH_GEN_PROXY 24063 | 32.32 0.48 0.00 | 28.85 0.81 0.00 | 28.00 0.81 0.00 | 27.62 0.96 0.00 | 28.47 0.80 0.00 | 32.41 0.29 0.00 | 46.94 -2.21 0.00 | 54.11 -2.97 0.00 | 42.13 -1.26 0.00 | 30.93 -0.31 0.00 | 29.49 0.23 0.00 | 26.93 -0.25 0.00 | 27.61 -0.11 0.00 | 28.18 -0.20 0.00 | 25.81 -0.08 0.39 | 27.35 -1.03 0.22 | 32.92 -1.51 0.00 | 45.98 -2.78 0.00 | 59.52 -1.65 0.00 | 58.94 -2.46 0.00 | 44.42 -2.29 0.00 | 38.99 -2.49 0.00 | 37.64 -1.25 0.00 | 34.90 -0.03 0.00 |
| OLIN_CORP_DRP 24177 | 32.06 0.22 0.00 | 29.13 1.09 0.00 | 28.22 1.03 0.00 | 27.54 0.88 0.00 | 28.33 0.66 0.00 | 32.18 0.06 0.00 | 46.59 -2.56 0.00 | 53.48 -3.60 0.00 | 41.87 -1.52 0.00 | 30.71 -0.53 0.00 | 29.29 0.03 0.00 | 26.74 -0.43 0.00 | 27.41 -0.30 0.00 | 27.98 -0.40 0.00 | 25.63 -0.26 0.39 | 27.12 -1.26 0.22 | 32.61 -1.83 0.00 | 45.54 -3.22 0.00 | 59.02 -2.14 0.00 | 58.33 -3.07 0.00 | 44.00 -2.71 0.00 | 38.65 -2.82 0.00 | 37.14 -1.75 0.00 | 34.62 -0.31 0.00 |
| OLIN_CORP_DSASP 323712 | 32.57 0.73 0.00 | 29.10 1.06 0.00 | 28.24 1.06 0.00 | 27.46 0.80 0.00 | 28.71 1.05 0.00 | 32.47 0.35 0.00 | 46.35 -2.80 0.00 | 53.42 -3.65 0.00 | 41.65 -1.74 0.00 | 30.58 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.03 -1.34 0.22 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.65 -2.51 0.00 | 58.09 -3.32 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 37.21 -1.67 0.00 | 35.04 0.11 0.00 |
| ONEIDA_HERK_LFGE 323681 | 32.28 0.45 0.00 | 28.48 0.45 0.00 | 27.68 0.49 0.00 | 27.01 0.35 0.00 | 28.10 0.44 0.00 | 32.79 0.68 0.00 | 50.38 1.23 0.00 | 58.62 1.54 0.00 | 44.17 0.78 0.00 | 31.59 0.34 0.00 | 29.49 0.23 0.00 | 27.34 0.16 0.00 | 28.08 0.36 0.00 | 28.72 0.34 0.00 | 26.49 0.21 0.00 | 28.91 0.32 0.00 | 34.85 0.41 0.00 | 49.78 1.03 0.00 | 62.75 1.59 0.00 | 63.24 1.84 0.00 | 48.11 1.40 0.00 | 42.72 1.24 0.00 | 40.01 1.13 0.00 | 35.81 0.87 0.00 |
| ONEIDA___115KV_TB4 55905 | 32.51 0.67 0.00 | 28.68 0.64 0.00 | 27.84 0.65 0.00 | 27.25 0.59 0.00 | 28.33 0.66 0.00 | 33.02 0.90 0.00 | 50.62 1.47 0.00 | 58.90 1.83 0.00 | 44.47 1.08 0.00 | 31.80 0.56 0.00 | 29.70 0.44 0.00 | 27.50 0.33 0.00 | 28.16 0.44 0.00 | 28.83 0.45 0.00 | 26.60 0.32 0.00 | 29.00 0.40 0.00 | 34.95 0.52 0.00 | 49.73 0.98 0.00 | 62.75 1.59 0.00 | 63.12 1.72 0.00 | 47.92 1.21 0.00 | 42.51 1.04 0.00 | 39.82 0.93 0.00 | 35.74 0.80 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.10 -0.08 0.00 | 26.58 -0.08 0.00 | 27.58 -0.08 0.00 | 32.05 -0.06 0.00 | 49.00 -0.15 0.00 | 57.02 -0.06 0.00 | 43.30 -0.09 0.00 | 31.15 -0.09 0.00 | 29.17 -0.09 0.00 | 27.04 -0.14 0.00 | 27.61 -0.11 0.00 | 28.26 -0.11 0.00 | 26.12 -0.16 0.00 | 28.42 -0.17 0.00 | 34.19 -0.24 0.00 | 48.31 -0.44 0.00 | 60.92 -0.24 0.00 | 61.16 -0.25 0.00 | 46.34 -0.37 0.00 | 41.10 -0.37 0.00 | 38.53 -0.35 0.00 | 34.69 -0.24 0.00 |
| ONONDAGA___COGEN 23986 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.58 -0.08 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.90 -0.17 0.00 | 43.21 -0.17 0.00 | 31.12 -0.12 0.00 | 29.17 -0.09 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.37 -0.23 0.00 | 34.16 -0.28 0.00 | 48.31 -0.44 0.00 | 60.98 -0.18 0.00 | 61.22 -0.18 0.00 | 46.43 -0.28 0.00 | 41.14 -0.33 0.00 | 38.53 -0.35 0.00 | 34.73 -0.21 0.00 |
| ONTARIO___LFGE 23819 | 32.44 0.60 0.00 | 28.70 0.67 0.00 | 27.87 0.68 0.00 | 27.41 0.75 0.00 | 28.38 0.72 0.00 | 32.86 0.74 0.00 | 49.35 0.20 0.00 | 57.48 0.40 0.00 | 43.77 0.39 0.00 | 31.65 0.41 0.00 | 29.76 0.50 0.00 | 27.42 0.24 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.16 0.24 0.36 | 28.31 -0.09 0.20 | 34.37 -0.07 0.00 | 48.46 -0.29 0.00 | 62.20 1.04 0.00 | 62.20 0.80 0.00 | 46.90 0.19 0.00 | 41.35 -0.12 0.00 | 39.08 0.20 0.00 | 35.49 0.56 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 32.44 0.60 0.00 | 28.90 0.87 0.00 | 28.08 0.90 0.00 | 27.78 1.12 0.00 | 28.63 0.97 0.00 | 32.76 0.64 0.00 | 48.07 -1.08 0.00 | 55.65 -1.42 0.00 | 42.78 -0.61 0.00 | 31.12 -0.12 0.00 | 29.55 0.29 0.00 | 27.06 -0.11 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.85 0.03 0.46 | 27.54 -0.80 0.26 | 33.37 -1.07 0.00 | 47.00 -1.75 0.00 | 61.04 -0.12 0.00 | 60.60 -0.80 0.00 | 45.54 -1.17 0.00 | 40.02 -1.45 0.00 | 38.30 -0.58 0.00 | 35.25 0.31 0.00 |
| ORANGEVILLE___ESR 323794 | 32.44 0.60 0.00 | 28.90 0.87 0.00 | 28.08 0.90 0.00 | 27.78 1.12 0.00 | 28.63 0.97 0.00 | 32.76 0.64 0.00 | 48.07 -1.08 0.00 | 55.65 -1.42 0.00 | 42.78 -0.61 0.00 | 31.12 -0.12 0.00 | 29.55 0.29 0.00 | 27.06 -0.11 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.85 0.03 0.46 | 27.54 -0.80 0.26 | 33.37 -1.07 0.00 | 47.00 -1.75 0.00 | 61.04 -0.12 0.00 | 60.60 -0.80 0.00 | 45.54 -1.17 0.00 | 40.02 -1.45 0.00 | 38.30 -0.58 0.00 | 35.25 0.31 0.00 |
| OSWEGATCHIE___HYD 24044 | 32.19 0.35 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 26.90 0.24 0.00 | 28.02 0.36 0.00 | 32.82 0.71 0.00 | 50.48 1.33 0.00 | 58.62 1.54 0.00 | 43.95 0.56 0.00 | 31.43 0.19 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.91 0.20 0.00 | 28.55 0.17 0.00 | 26.26 -0.03 0.00 | 28.68 0.09 0.00 | 34.64 0.21 0.00 | 49.49 0.73 0.00 | 62.39 1.22 0.00 | 63.06 1.66 0.00 | 48.30 1.59 0.00 | 43.09 1.62 0.00 | 40.44 1.56 0.00 | 36.13 1.19 0.00 |
| OSWEGO___5 23606 | 31.23 -0.61 0.00 | 27.50 -0.53 0.00 | 26.67 -0.52 0.00 | 26.19 -0.48 0.00 | 27.17 -0.50 0.00 | 31.51 -0.61 0.00 | 48.07 -1.08 0.00 | 55.87 -1.20 0.00 | 42.47 -0.91 0.00 | 30.62 -0.62 0.00 | 28.74 -0.53 0.00 | 26.63 -0.54 0.00 | 27.19 -0.53 0.00 | 27.84 -0.54 0.00 | 25.76 -0.53 0.00 | 27.97 -0.63 0.00 | 33.68 -0.76 0.00 | 47.63 -1.12 0.00 | 59.94 -1.22 0.00 | 60.17 -1.23 0.00 | 45.64 -1.07 0.00 | 40.48 -1.00 0.00 | 37.99 -0.89 0.00 | 34.20 -0.74 0.00 |
| OSWEGO___6 23613 | 31.23 -0.61 0.00 | 27.50 -0.53 0.00 | 26.67 -0.52 0.00 | 26.19 -0.48 0.00 | 27.17 -0.50 0.00 | 31.51 -0.61 0.00 | 48.07 -1.08 0.00 | 55.87 -1.20 0.00 | 42.47 -0.91 0.00 | 30.62 -0.62 0.00 | 28.74 -0.53 0.00 | 26.63 -0.54 0.00 | 27.19 -0.53 0.00 | 27.84 -0.54 0.00 | 25.76 -0.53 0.00 | 27.97 -0.63 0.00 | 33.68 -0.76 0.00 | 47.63 -1.12 0.00 | 59.94 -1.22 0.00 | 60.17 -1.23 0.00 | 45.64 -1.07 0.00 | 40.48 -1.00 0.00 | 37.99 -0.89 0.00 | 34.20 -0.74 0.00 |

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| OUTOKUMPU-AB___DRP 24206 | 32.82 0.99 0.00 | 29.24 1.21 0.00 | 28.35 1.17 0.00 | 28.13 1.47 0.00 | 28.94 1.27 0.00 | 32.92 0.80 0.00 | 47.58 -1.57 0.00 | 54.62 -2.45 0.00 | 42.69 -0.69 0.00 | 31.30 0.06 0.00 | 29.82 0.56 0.00 | 27.23 0.05 0.00 | 27.94 0.22 0.00 | 28.52 0.14 0.00 | 26.12 0.24 0.40 | 27.61 -0.77 0.22 | 33.26 -1.17 0.00 | 46.46 -2.29 0.00 | 60.37 -0.80 0.00 | 59.62 -1.78 0.00 | 44.93 -1.77 0.00 | 39.40 -2.07 0.00 | 37.84 -1.05 0.00 | 35.43 0.49 0.00 |
| OXBOW___BTM 323836 | 32.73 0.89 0.00 | 29.26 1.23 0.00 | 28.41 1.22 0.00 | 27.78 1.12 0.00 | 28.88 1.22 0.00 | 32.76 0.64 0.00 | 47.09 -2.06 0.00 | 54.22 -2.85 0.00 | 42.26 -1.13 0.00 | 30.99 -0.25 0.00 | 29.55 0.29 0.00 | 26.98 -0.19 0.00 | 27.69 -0.03 0.00 | 28.26 -0.11 0.00 | 25.89 0.00 0.39 | 27.35 -1.03 0.22 | 32.92 -1.51 0.00 | 45.98 -2.78 0.00 | 59.64 -1.53 0.00 | 59.07 -2.33 0.00 | 44.42 -2.29 0.00 | 38.99 -2.49 0.00 | 37.72 -1.17 0.00 | 35.32 0.39 0.00 |
| OXBOW___ 24026 | 32.73 0.89 0.00 | 28.99 0.95 0.00 | 28.11 0.92 0.00 | 28.05 1.39 0.00 | 28.85 1.19 0.00 | 32.73 0.61 0.00 | 47.04 -2.11 0.00 | 53.99 -3.08 0.00 | 42.26 -1.13 0.00 | 30.99 -0.25 0.00 | 29.55 0.29 0.00 | 26.98 -0.19 0.00 | 27.69 -0.03 0.00 | 28.26 -0.11 0.00 | 25.89 0.00 0.39 | 27.35 -1.03 0.22 | 32.92 -1.52 0.00 | 45.97 -2.78 0.00 | 59.63 -1.53 0.00 | 58.95 -2.46 0.00 | 44.42 -2.29 0.00 | 38.99 -2.49 0.00 | 37.45 -1.44 0.00 | 35.25 0.31 0.00 |
| OXY_CHEM_DSASP 323612 | 32.57 0.73 0.00 | 28.65 0.62 0.00 | 27.76 0.57 0.00 | 27.89 1.23 0.00 | 28.69 1.02 0.00 | 32.44 0.32 0.00 | 46.35 -2.80 0.00 | 53.19 -3.88 0.00 | 41.65 -1.74 0.00 | 30.59 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.04 -1.34 0.21 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.66 -2.51 0.00 | 57.96 -3.44 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 36.98 -1.91 0.00 | 34.94 0.00 0.00 |
| OZONE_PARK_ESR 323760 | 33.68 1.85 0.00 | 29.46 1.43 0.00 | 28.46 1.28 0.00 | 27.89 1.23 0.00 | 28.94 1.27 0.00 | 33.56 1.45 0.00 | 51.36 2.21 0.00 | 59.99 2.91 0.00 | 45.86 2.47 0.00 | 33.30 2.06 0.00 | 31.25 1.99 0.00 | 29.16 1.98 0.00 | 29.74 2.02 0.00 | 30.48 2.10 0.00 | 30.66 2.02 -2.35 | 32.06 2.17 -1.29 | 36.81 2.38 0.00 | 51.34 2.58 0.00 | 64.04 2.87 0.00 | 64.10 2.70 0.00 | 48.72 2.01 0.00 | 43.51 2.03 0.00 | 40.63 1.75 0.00 | 36.30 1.36 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 32.57 0.73 0.00 | 28.65 0.62 0.00 | 27.76 0.57 0.00 | 27.89 1.23 0.00 | 28.69 1.02 0.00 | 32.44 0.32 0.00 | 46.35 -2.80 0.00 | 53.19 -3.88 0.00 | 41.65 -1.74 0.00 | 30.59 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.04 -1.34 0.21 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.66 -2.51 0.00 | 57.96 -3.44 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 36.98 -1.91 0.00 | 34.94 0.00 0.00 |
| PACKARD___115KV_DUPONT_184 80571 | 32.57 0.73 0.00 | 28.65 0.62 0.00 | 27.76 0.57 0.00 | 27.89 1.23 0.00 | 28.69 1.02 0.00 | 32.44 0.32 0.00 | 46.35 -2.80 0.00 | 53.19 -3.88 0.00 | 41.65 -1.74 0.00 | 30.59 -0.66 0.00 | 29.20 -0.06 0.00 | 26.66 -0.52 0.00 | 27.33 -0.39 0.00 | 27.89 -0.48 0.00 | 25.55 -0.34 0.39 | 27.04 -1.34 0.21 | 32.47 -1.96 0.00 | 45.29 -3.46 0.00 | 58.66 -2.51 0.00 | 57.96 -3.44 0.00 | 43.77 -2.94 0.00 | 38.45 -3.03 0.00 | 36.98 -1.91 0.00 | 34.94 0.00 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 33.53 1.69 -0.01 | 29.36 1.32 -0.01 | 28.39 1.20 -0.01 | 27.82 1.15 -0.01 | 28.83 1.16 -0.01 | 33.44 1.32 -0.01 | 50.97 1.82 0.00 | 59.59 2.51 0.00 | 45.64 2.26 0.00 | 33.06 1.81 -0.01 | 31.01 1.76 0.01 | 28.93 1.77 0.01 | 29.51 1.80 0.01 | 30.24 1.87 0.01 | 30.41 1.79 -2.34 | 31.82 1.94 -1.28 | 36.53 2.10 0.01 | 50.56 1.80 0.00 | 62.94 1.77 0.00 | 62.94 1.54 0.00 | 48.02 1.31 0.00 | 43.13 1.66 0.00 | 40.40 1.52 0.00 | 36.10 1.15 -0.01 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 33.88 2.04 -0.01 | 29.67 1.63 -0.01 | 28.69 1.50 -0.01 | 28.11 1.44 -0.01 | 29.16 1.49 -0.01 | 33.80 1.67 -0.01 | 51.51 2.36 0.00 | 60.21 3.14 0.00 | 46.08 2.69 0.00 | 33.34 2.09 -0.01 | 31.30 2.05 0.01 | 29.18 2.01 0.01 | 29.76 2.05 0.01 | 30.50 2.13 0.01 | 30.67 2.05 -2.34 | 32.08 2.20 -1.28 | 36.87 2.44 0.01 | 51.04 2.29 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.53 1.82 0.00 | 43.55 2.07 0.00 | 40.83 1.94 0.00 | 36.48 1.54 -0.01 |
| PATROON___115KV_TB1 80586 | 32.19 0.35 0.00 | 28.26 0.22 0.00 | 27.43 0.24 0.00 | 26.90 0.24 0.00 | 27.91 0.25 0.00 | 32.34 0.22 0.00 | 49.64 0.49 0.00 | 57.65 0.57 0.00 | 43.82 0.43 0.00 | 31.43 0.19 0.00 | 29.35 0.09 0.00 | 27.25 0.08 0.00 | 27.72 0.00 0.00 | 28.43 0.06 0.00 | 27.10 0.13 -0.69 | 29.26 0.29 -0.38 | 34.75 0.31 0.00 | 49.34 0.59 0.00 | 61.65 0.49 0.00 | 61.89 0.49 0.00 | 47.08 0.37 0.00 | 41.76 0.29 0.00 | 39.16 0.27 0.00 | 35.15 0.21 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 32.57 0.73 0.00 | 28.62 0.59 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.30 0.64 0.00 | 32.89 0.77 0.00 | 50.48 1.33 0.00 | 58.85 1.77 0.00 | 43.99 0.61 0.00 | 31.09 -0.16 0.00 | 28.88 -0.38 0.00 | 26.74 -0.44 0.00 | 27.19 -0.53 0.00 | 27.87 -0.51 0.00 | 26.48 -0.39 -0.59 | 28.76 -0.09 -0.25 | 34.44 0.00 0.00 | 49.58 0.83 0.00 | 62.69 1.53 0.00 | 62.94 1.54 0.00 | 47.88 1.17 0.00 | 42.39 0.91 0.00 | 39.70 0.82 0.00 | 35.60 0.66 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 32.44 0.60 0.00 | 29.04 1.01 0.00 | 28.14 0.95 0.00 | 27.76 1.09 0.00 | 28.58 0.91 0.00 | 32.70 0.58 0.00 | 47.72 -1.43 0.00 | 54.96 -2.11 0.00 | 42.78 -0.61 0.00 | 31.30 0.06 0.00 | 29.76 0.50 0.00 | 27.23 0.05 0.00 | 27.91 0.19 0.00 | 28.49 0.11 0.00 | 26.05 0.18 0.42 | 27.54 -0.83 0.23 | 33.40 -1.03 0.00 | 46.75 -2.00 0.00 | 60.80 -0.37 0.00 | 60.05 -1.35 0.00 | 45.17 -1.54 0.00 | 39.57 -1.91 0.00 | 37.84 -1.05 0.00 | 35.11 0.17 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 33.37 1.53 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.80 1.13 0.00 | 33.37 1.25 0.00 | 51.21 2.06 0.00 | 59.70 2.63 0.00 | 45.51 2.13 0.00 | 32.80 1.56 0.00 | 30.69 1.43 0.00 | 28.59 1.41 0.00 | 29.21 1.50 0.00 | 29.99 1.62 0.00 | 30.13 1.52 -2.33 | 31.50 1.63 -1.27 | 36.26 1.83 0.00 | 51.24 2.49 0.00 | 63.98 2.81 0.00 | 64.04 2.64 0.00 | 48.62 1.92 0.00 | 43.26 1.78 0.00 | 40.40 1.52 0.00 | 36.16 1.22 0.00 |
| PEEKSKILL___ 23653 | 33.14 1.31 0.00 | 29.01 0.98 0.00 | 28.05 0.87 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.08 0.96 0.00 | 50.67 1.53 0.00 | 59.07 2.00 0.00 | 45.16 1.78 0.00 | 32.65 1.41 0.00 | 30.64 1.38 0.00 | 28.53 1.36 0.00 | 29.13 1.41 0.00 | 29.85 1.47 0.00 | 30.28 1.42 -2.58 | 31.52 1.51 -1.41 | 36.12 1.69 0.00 | 50.61 1.85 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.07 1.36 0.00 | 42.84 1.37 0.00 | 39.97 1.09 0.00 | 35.77 0.84 0.00 |
| PGE MADISON___WINDPWR 24146 | 33.72 1.88 0.00 | 29.80 1.77 0.00 | 28.95 1.77 0.00 | 28.32 1.65 0.00 | 29.46 1.80 0.00 | 34.46 2.34 0.00 | 52.74 3.59 0.00 | 62.04 4.97 0.00 | 46.42 3.04 0.00 | 32.84 1.59 0.00 | 30.46 1.20 0.00 | 27.99 0.82 0.00 | 28.85 1.14 0.00 | 29.48 1.11 0.00 | 26.39 0.76 0.66 | 29.07 0.83 0.36 | 35.64 1.21 0.00 | 51.58 2.83 0.00 | 65.93 4.77 0.00 | 66.50 5.10 0.00 | 50.31 3.60 0.00 | 44.54 3.07 0.00 | 41.68 2.80 0.00 | 37.42 2.48 0.00 |

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|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|
| PIERCEFIELD___HYD 23852 | 32.31 0.48 0.00 | 28.62 0.59 0.00 | 27.73 0.54 0.00 | 27.01 0.35 0.00 | 28.08 0.41 0.00 | 32.89 0.77 0.00 | 50.67 1.52 0.00 | 58.67 1.60 0.00 | 44.08 0.69 0.00 | 31.62 0.37 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.36 0.08 0.00 | 28.74 0.14 0.00 | 34.78 0.34 0.00 | 49.44 0.68 0.00 | 62.02 0.86 0.00 | 62.69 1.29 0.00 | 48.20 1.49 0.00 | 43.05 1.58 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |
| PINELAWN_CC_1 323563 | 33.11 1.27 0.00 | 28.73 0.70 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.04 0.39 0.01 | 32.53 0.42 0.01 | 47.39 0.54 2.30 | 48.75 0.86 9.18 | 44.64 1.26 0.01 | 32.16 1.00 0.09 | 30.40 1.14 0.00 | 28.40 1.22 0.00 | 29.07 1.36 0.00 | 29.96 1.59 0.00 | 30.07 1.44 -2.34 | 31.77 1.89 -1.28 | 36.43 2.00 0.00 | 50.06 1.32 0.01 | 62.44 1.29 0.01 | 63.12 1.72 0.00 | 47.64 0.93 0.00 | 42.76 1.29 0.00 | 39.89 1.01 0.00 | 35.49 0.56 0.00 |
| PJM_GEN_HTTP_PROXY 323702 | 33.43 1.59 0.00 | 29.24 1.20 0.00 | 28.24 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 32.99 1.75 0.00 | 30.96 1.70 0.00 | 28.89 1.71 0.00 | 29.46 1.75 0.00 | 30.19 1.82 0.00 | 30.37 1.73 -2.35 | 31.77 1.89 -1.29 | 36.47 2.03 0.00 | 50.90 2.14 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.13 1.66 0.00 | 40.21 1.32 0.00 | 35.98 1.05 0.00 |
| PJM_GEN_KEystone 24065 | 32.57 0.73 0.00 | 28.76 0.73 0.00 | 27.81 0.63 0.00 | 27.36 0.69 0.00 | 28.30 0.64 0.00 | 32.63 0.51 0.00 | 48.95 -0.20 0.00 | 56.90 -0.17 0.00 | 43.73 0.35 0.00 | 31.81 0.56 0.00 | 29.99 0.73 0.00 | 27.74 0.57 0.00 | 28.35 0.64 0.00 | 29.00 0.62 0.00 | 28.28 0.63 -1.37 | 29.60 0.26 -0.75 | 34.64 0.21 0.00 | 48.51 -0.24 0.00 | 61.60 0.43 0.00 | 61.34 -0.06 0.00 | 46.38 -0.32 0.00 | 41.14 -0.33 0.00 | 38.77 -0.12 0.00 | 35.15 0.21 0.00 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 32.89 1.05 0.00 | 28.59 0.56 0.00 | 27.59 0.41 0.00 | 27.07 0.40 0.00 | 27.93 0.28 0.01 | 32.40 0.29 0.01 | 46.75 0.49 2.89 | 46.37 0.80 11.51 | 44.46 1.09 0.01 | 32.08 0.84 0.01 | 30.31 1.05 0.00 | 28.29 1.11 0.00 | 28.94 1.22 0.00 | 29.79 1.42 0.00 | 29.94 1.31 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.77 1.03 0.01 | 62.08 0.92 0.01 | 62.57 1.16 0.00 | 47.32 0.61 0.00 | 42.47 0.99 0.00 | 39.70 0.82 0.00 | 35.32 0.39 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 33.27 1.43 0.00 | 29.10 1.06 0.00 | 28.11 0.92 0.00 | 27.54 0.88 0.00 | 28.55 0.88 0.00 | 33.18 1.06 0.00 | 50.67 1.53 0.01 | 59.12 2.05 0.01 | 45.28 1.91 0.01 | 32.90 1.65 0.00 | 30.90 1.64 0.00 | 28.83 1.66 0.00 | 29.38 1.66 0.00 | 30.14 1.76 0.00 | 30.32 1.68 -2.35 | 31.72 1.83 -1.29 | 36.36 1.93 0.00 | 50.55 1.80 0.01 | 63.00 1.83 0.00 | 63.05 1.66 0.01 | 47.91 1.21 0.01 | 42.92 1.45 0.01 | 40.01 1.13 0.01 | 35.77 0.84 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 32.63 0.80 0.00 | 28.93 0.90 0.00 | 27.97 0.79 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.18 1.06 0.00 | 50.28 1.13 0.00 | 57.93 0.86 0.00 | 44.21 0.82 0.00 | 31.87 0.62 0.00 | 29.76 0.50 0.00 | 27.77 0.60 0.00 | 28.24 0.53 0.00 | 28.83 0.45 0.00 | 26.62 0.34 0.00 | 28.97 0.37 0.00 | 35.19 0.76 0.00 | 49.53 0.78 0.00 | 62.20 1.04 0.00 | 62.63 1.23 0.00 | 48.02 1.31 0.00 | 43.30 1.82 0.00 | 40.63 1.75 0.00 | 36.44 1.50 0.00 |
| PLEASANTVLY___LBMP 24000 | 32.95 1.11 0.00 | 28.87 0.84 0.00 | 27.95 0.76 0.00 | 27.41 0.75 0.00 | 28.41 0.75 0.00 | 32.92 0.80 0.00 | 50.53 1.38 0.00 | 58.79 1.71 0.00 | 44.86 1.48 0.00 | 32.46 1.22 0.00 | 30.40 1.14 0.00 | 28.31 1.14 0.00 | 28.88 1.16 0.00 | 29.63 1.25 0.00 | 29.24 1.21 -1.75 | 30.90 1.34 -0.96 | 35.92 1.48 0.00 | 50.46 1.71 0.00 | 62.94 1.77 0.00 | 63.06 1.66 0.00 | 47.88 1.17 0.00 | 42.64 1.16 0.00 | 39.86 0.97 0.00 | 35.67 0.73 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 33.24 1.40 0.00 | 29.10 1.07 0.00 | 28.16 0.98 0.00 | 27.60 0.93 0.00 | 28.60 0.94 0.00 | 33.18 1.06 0.00 | 50.87 1.72 0.00 | 59.24 2.17 0.00 | 45.29 1.91 0.00 | 32.77 1.53 0.00 | 30.72 1.46 0.00 | 28.64 1.47 0.00 | 29.24 1.52 0.00 | 29.97 1.59 0.00 | 29.98 1.52 -2.18 | 31.45 1.66 -1.19 | 36.26 1.83 0.00 | 50.85 2.10 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.20 1.49 0.00 | 43.01 1.53 0.00 | 40.17 1.28 0.00 | 35.92 0.98 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 33.24 1.40 0.00 | 29.10 1.07 0.00 | 28.16 0.98 0.00 | 27.60 0.93 0.00 | 28.60 0.94 0.00 | 33.18 1.06 0.00 | 50.87 1.72 0.00 | 59.24 2.17 0.00 | 45.29 1.91 0.00 | 32.77 1.53 0.00 | 30.72 1.46 0.00 | 28.64 1.47 0.00 | 29.24 1.52 0.00 | 29.97 1.59 0.00 | 29.98 1.52 -2.18 | 31.45 1.66 -1.19 | 36.26 1.83 0.00 | 50.85 2.10 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.20 1.49 0.00 | 43.01 1.53 0.00 | 40.17 1.28 0.00 | 35.92 0.98 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 33.14 1.31 0.00 | 29.04 1.01 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.60 0.94 0.00 | 33.15 1.03 0.00 | 50.87 1.72 0.00 | 59.19 2.11 0.00 | 45.16 1.78 0.00 | 32.59 1.34 0.00 | 30.46 1.20 0.00 | 28.40 1.22 0.00 | 28.99 1.27 0.00 | 29.74 1.36 0.00 | 29.83 1.31 -2.23 | 31.28 1.46 -1.22 | 36.05 1.62 0.00 | 50.80 2.05 0.00 | 63.43 2.26 0.00 | 63.61 2.21 0.00 | 48.30 1.59 0.00 | 43.01 1.53 0.00 | 40.17 1.28 0.00 | 35.95 1.01 0.00 |
| POLETTI_____ 23519 | 25.51 1.34 7.66 | 25.51 1.01 3.53 | 25.51 0.90 2.57 | 25.51 0.85 2.01 | 25.51 0.86 3.01 | 25.48 0.96 7.60 | 28.24 1.33 22.24 | 37.32 2.00 21.76 | 28.20 1.82 17.01 | 25.51 1.47 7.20 | 26.26 1.49 4.49 | 26.26 1.52 2.43 | 26.26 1.55 3.01 | 26.26 1.62 3.73 | 26.26 1.58 1.60 | 26.26 1.72 4.05 | 26.26 1.83 10.00 | 29.62 1.37 20.50 | 43.45 1.16 18.87 | 44.56 0.98 17.83 | 29.33 0.89 18.26 | 26.72 1.29 16.04 | 26.66 1.17 13.39 | 26.30 0.80 9.44 |
| POMONA___ESR 323819 | 33.14 1.31 0.00 | 29.04 1.01 0.00 | 28.05 0.87 0.00 | 27.52 0.85 0.00 | 28.55 0.88 0.00 | 33.11 1.00 0.00 | 50.67 1.53 0.00 | 59.13 2.05 0.00 | 45.16 1.78 0.00 | 32.68 1.44 0.00 | 30.64 1.38 0.00 | 28.56 1.39 0.00 | 29.16 1.44 0.00 | 29.88 1.50 0.00 | 31.01 1.44 -3.28 | 31.94 1.54 -1.80 | 36.12 1.69 0.00 | 50.65 1.90 0.00 | 63.30 2.14 0.00 | 63.31 1.91 0.00 | 48.07 1.36 0.00 | 42.88 1.41 0.00 | 39.97 1.09 0.00 | 35.81 0.87 0.00 |
| PORT_JEFF_3 23555 | 32.83 0.99 0.00 | 28.42 0.39 0.00 | 27.43 0.24 0.00 | 26.96 0.29 0.00 | 27.74 0.08 0.01 | 32.13 0.06 0.05 | 46.60 0.15 2.70 | 46.72 0.40 10.76 | 44.24 0.87 0.01 | 30.25 0.78 1.77 | 30.17 0.91 0.00 | 28.15 0.98 0.00 | 28.83 1.11 0.00 | 29.74 1.36 0.00 | 29.86 1.24 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.67 0.92 0.01 | 61.95 0.79 0.01 | 62.63 1.23 0.00 | 47.32 0.61 0.00 | 42.47 0.99 0.00 | 39.62 0.74 0.00 | 35.18 0.25 0.00 |
| PORT_JEFF_4 23616 | 32.83 0.99 0.00 | 28.42 0.39 0.00 | 27.43 0.24 0.00 | 26.96 0.29 0.00 | 27.74 0.08 0.01 | 32.13 0.06 0.05 | 46.60 0.15 2.70 | 46.72 0.40 10.76 | 44.24 0.87 0.01 | 30.25 0.78 1.77 | 30.17 0.91 0.00 | 28.15 0.98 0.00 | 28.83 1.11 0.00 | 29.74 1.36 0.00 | 29.86 1.24 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.67 0.92 0.01 | 61.95 0.79 0.01 | 62.63 1.23 0.00 | 47.32 0.61 0.00 | 42.47 0.99 0.00 | 39.62 0.74 0.00 | 35.18 0.25 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| PORT_JEFF_IC 23713 | 32.86 1.02 0.00 | 28.48 0.45 0.00 | 27.54 0.35 0.00 | 26.98 0.32 0.00 | 27.77 0.11 0.01 | 32.13 0.06 0.05 | 46.66 0.20 2.68 | 46.90 0.51 10.68 | 44.20 0.82 0.01 | 30.19 0.81 1.86 | 30.20 0.94 0.00 | 28.20 1.03 0.00 | 28.85 1.14 0.00 | 29.80 1.42 0.00 | 29.91 1.29 -2.34 | 31.62 1.74 -1.28 | 36.26 1.83 0.00 | 49.77 1.02 0.01 | 62.07 0.92 0.01 | 62.81 1.41 0.00 | 47.41 0.70 0.00 | 42.76 1.29 0.00 | 39.74 0.86 0.00 | 35.22 0.28 0.00 |
| PPL PILGRIM_ST_GT1 24216 | 33.17 1.34 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.10 0.44 0.01 | 32.56 0.45 0.01 | 46.74 0.20 2.60 | 47.23 0.51 10.36 | 44.72 1.35 0.01 | 32.31 1.25 0.18 | 30.43 1.17 0.00 | 28.40 1.22 0.00 | 29.07 1.36 0.00 | 29.99 1.62 0.00 | 30.10 1.47 -2.34 | 31.83 1.95 -1.28 | 36.50 2.07 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.18 1.78 0.00 | 47.69 0.98 0.00 | 42.80 1.33 0.00 | 40.01 1.13 0.00 | 35.53 0.59 0.00 |
| PPL PILGRIM_ST_GT2 24217 | 33.17 1.34 0.00 | 28.76 0.73 0.00 | 27.78 0.60 0.00 | 27.25 0.59 0.00 | 28.10 0.44 0.01 | 32.56 0.45 0.01 | 46.74 0.20 2.60 | 47.23 0.51 10.36 | 44.72 1.35 0.01 | 32.31 1.25 0.18 | 30.43 1.17 0.00 | 28.40 1.22 0.00 | 29.07 1.36 0.00 | 29.99 1.62 0.00 | 30.10 1.47 -2.34 | 31.83 1.95 -1.28 | 36.50 2.07 0.00 | 50.11 1.36 0.01 | 62.50 1.34 0.01 | 63.18 1.78 0.00 | 47.69 0.98 0.00 | 42.80 1.33 0.00 | 40.01 1.13 0.00 | 35.53 0.59 0.00 |
| PPL_SHRM_GT3 24213 | 32.44 0.60 0.00 | 28.06 0.03 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.38 -0.28 0.01 | 31.71 -0.35 0.05 | 46.06 -0.39 2.69 | 46.18 -0.17 10.72 | 43.72 0.35 0.01 | 29.83 0.34 1.76 | 29.76 0.50 0.00 | 27.77 0.60 0.00 | 28.44 0.72 0.00 | 29.37 0.99 0.00 | 29.52 0.89 -2.34 | 31.22 1.34 -1.28 | 35.78 1.34 0.00 | 49.18 0.44 0.01 | 61.28 0.12 0.01 | 62.08 0.68 0.00 | 46.85 0.14 0.00 | 42.05 0.58 0.00 | 39.19 0.31 0.00 | 34.73 -0.21 0.00 |
| PPL_SHRM_GT4 24214 | 32.44 0.60 0.00 | 28.06 0.03 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.38 -0.28 0.01 | 31.71 -0.35 0.05 | 46.06 -0.39 2.69 | 46.18 -0.17 10.72 | 43.72 0.35 0.01 | 29.83 0.34 1.76 | 29.76 0.50 0.00 | 27.77 0.60 0.00 | 28.44 0.72 0.00 | 29.37 0.99 0.00 | 29.52 0.89 -2.34 | 31.22 1.34 -1.28 | 35.78 1.34 0.00 | 49.18 0.44 0.01 | 61.28 0.12 0.01 | 62.08 0.68 0.00 | 46.85 0.14 0.00 | 42.05 0.58 0.00 | 39.19 0.31 0.00 | 34.73 -0.21 0.00 |
| PROJECT___ORANGE 1 24174 | 31.58 -0.25 0.00 | 27.81 -0.22 0.00 | 26.97 -0.22 0.00 | 26.48 -0.19 0.00 | 27.47 -0.19 0.00 | 31.89 -0.22 0.00 | 48.66 -0.49 0.00 | 56.68 -0.40 0.00 | 43.08 -0.30 0.00 | 30.99 -0.25 0.00 | 29.09 -0.18 0.00 | 26.93 -0.24 0.00 | 27.52 -0.19 0.00 | 28.15 -0.23 0.00 | 26.05 -0.24 0.00 | 28.31 -0.29 0.00 | 34.06 -0.38 0.00 | 48.12 -0.63 0.00 | 60.61 -0.55 0.00 | 60.85 -0.55 0.00 | 46.15 -0.56 0.00 | 40.89 -0.58 0.00 | 38.38 -0.51 0.00 | 34.55 -0.38 0.00 |
| PROJECT___ORANGE 2 24166 | 31.58 -0.25 0.00 | 27.81 -0.22 0.00 | 26.97 -0.22 0.00 | 26.48 -0.19 0.00 | 27.47 -0.19 0.00 | 31.89 -0.22 0.00 | 48.66 -0.49 0.00 | 56.68 -0.40 0.00 | 43.08 -0.30 0.00 | 30.99 -0.25 0.00 | 29.09 -0.18 0.00 | 26.93 -0.24 0.00 | 27.52 -0.19 0.00 | 28.15 -0.23 0.00 | 26.05 -0.24 0.00 | 28.31 -0.29 0.00 | 34.06 -0.38 0.00 | 48.12 -0.63 0.00 | 60.61 -0.55 0.00 | 60.85 -0.55 0.00 | 46.15 -0.56 0.00 | 40.89 -0.58 0.00 | 38.38 -0.51 0.00 | 34.55 -0.38 0.00 |
| PUCKETT___SOLAR 323809 | 32.57 0.73 0.00 | 28.76 0.73 0.00 | 27.89 0.71 0.00 | 27.38 0.72 0.00 | 28.41 0.75 0.00 | 32.92 0.80 0.00 | 50.03 0.89 0.00 | 58.62 1.54 0.00 | 44.34 0.95 0.00 | 31.77 0.53 0.00 | 29.67 0.41 0.00 | 27.36 0.19 0.00 | 28.02 0.31 0.00 | 28.66 0.28 0.00 | 25.73 0.19 0.73 | 28.19 0.03 0.43 | 34.54 0.10 0.00 | 49.24 0.49 0.00 | 62.63 1.47 0.00 | 62.75 1.35 0.00 | 47.55 0.84 0.00 | 42.05 0.58 0.00 | 39.51 0.62 0.00 | 35.64 0.70 0.00 |
| PYRITES___HYD 24023 | 32.66 0.83 0.00 | 28.96 0.93 0.00 | 28.06 0.87 0.00 | 27.33 0.67 0.00 | 28.41 0.75 0.00 | 33.34 1.22 0.00 | 51.41 2.26 0.00 | 59.53 2.45 0.00 | 44.56 1.17 0.00 | 31.84 0.59 0.00 | 29.64 0.38 0.00 | 27.58 0.41 0.00 | 28.13 0.42 0.00 | 28.75 0.37 0.00 | 26.47 0.18 0.00 | 28.88 0.29 0.00 | 35.02 0.59 0.00 | 50.02 1.27 0.00 | 62.94 1.77 0.00 | 63.74 2.33 0.00 | 49.00 2.29 0.00 | 43.67 2.20 0.00 | 41.02 2.14 0.00 | 36.65 1.71 0.00 |
| QUAKERRD_115KV_BK1 80622 | 31.58 -0.25 0.00 | 27.98 -0.06 0.00 | 27.13 -0.05 0.00 | 26.72 0.05 0.00 | 27.61 -0.06 0.00 | 31.83 -0.29 0.00 | 47.58 -1.57 0.00 | 55.19 -1.88 0.00 | 42.47 -0.91 0.00 | 30.77 -0.47 0.00 | 29.06 -0.20 0.00 | 26.74 -0.43 0.00 | 27.41 -0.30 0.00 | 28.01 -0.37 0.00 | 25.94 -0.34 0.00 | 27.74 -0.86 0.00 | 33.33 -1.10 0.00 | 46.90 -1.85 0.00 | 60.25 -0.92 0.00 | 59.99 -1.41 0.00 | 45.31 -1.40 0.00 | 39.94 -1.53 0.00 | 37.76 -1.13 0.00 | 34.45 -0.49 0.00 |
| QUENSBRY_115KV_TB8 356137 | 32.73 0.89 0.00 | 28.76 0.73 0.00 | 27.95 0.76 0.00 | 27.44 0.77 0.00 | 28.49 0.83 0.00 | 33.11 1.00 0.00 | 50.82 1.67 0.00 | 58.90 1.83 0.00 | 44.47 1.08 0.00 | 31.43 0.19 0.00 | 29.88 0.61 0.00 | 27.61 0.43 0.00 | 27.97 0.25 0.00 | 28.72 0.34 0.00 | 27.36 0.45 -0.63 | 29.68 0.74 -0.34 | 34.71 0.28 0.00 | 50.02 1.27 0.00 | 63.06 1.90 0.00 | 63.43 2.03 0.00 | 48.16 1.45 0.00 | 42.51 1.04 0.00 | 39.90 1.01 0.00 | 35.71 0.77 0.00 |
| RAMAPO___LBMP 323565 | 33.05 1.21 0.00 | 28.96 0.93 0.00 | 27.97 0.79 0.00 | 27.44 0.77 0.00 | 28.44 0.77 0.00 | 32.95 0.84 0.00 | 50.48 1.33 0.00 | 58.85 1.77 0.00 | 44.95 1.56 0.00 | 32.55 1.31 0.00 | 30.55 1.29 0.00 | 28.45 1.28 0.00 | 29.05 1.33 0.00 | 29.77 1.39 0.00 | 30.63 1.34 -3.00 | 31.64 1.40 -1.65 | 35.98 1.55 0.00 | 50.41 1.66 0.00 | 63.06 1.90 0.00 | 63.12 1.72 0.00 | 47.88 1.17 0.00 | 42.72 1.24 0.00 | 39.90 1.01 0.00 | 35.67 0.73 0.00 |
| RANKINE____ 23646 | 32.70 0.86 0.00 | 29.24 1.21 0.00 | 28.33 1.14 0.00 | 28.00 1.33 0.00 | 28.80 1.13 0.00 | 32.92 0.80 0.00 | 47.92 -1.23 0.00 | 55.14 -1.94 0.00 | 42.99 -0.39 0.00 | 31.46 0.22 0.00 | 29.93 0.67 0.00 | 27.36 0.19 0.00 | 28.08 0.36 0.00 | 28.66 0.28 0.00 | 26.24 0.37 0.41 | 27.74 -0.63 0.23 | 33.51 -0.93 0.00 | 46.90 -1.85 0.00 | 60.92 -0.24 0.00 | 60.17 -1.23 0.00 | 45.31 -1.40 0.00 | 39.73 -1.74 0.00 | 38.03 -0.86 0.00 | 35.36 0.42 0.00 |
| RAVENSWOOD_GT2_1 24244 | 33.46 1.62 0.00 | 29.27 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.02 1.08 0.00 |
| RAVENSWOOD_GT2_2 24245 | 33.46 1.62 0.00 | 29.27 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.02 1.08 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| RAVENSWOOD_GT2_3 24246 | 33.46 1.62 0.00 | 29.27 1.23 0.00 | 28.30 1.11 0.00 | 27.73 1.07 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.53 2.45 0.00 | 45.51 2.13 0.00 | 33.05 1.81 0.00 | 31.02 1.76 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.49 2.32 0.00 | 63.49 2.09 0.00 | 48.30 1.59 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| RAVENSWOOD_GT2_4 24247 | 33.46 1.62 0.00 | 29.27 1.23 0.00 | 28.30 1.11 0.00 | 27.73 1.07 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.53 2.45 0.00 | 45.51 2.13 0.00 | 33.05 1.81 0.00 | 31.02 1.76 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.25 1.87 0.00 | 30.42 1.79 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.49 2.32 0.00 | 63.49 2.09 0.00 | 48.30 1.59 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| RAVENSWOOD_GT3_1 24248 | 33.46 1.62 0.00 | 29.27 1.23 0.00 | 28.30 1.11 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.42 1.79 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| RAVENSWOOD_GT3_2 24249 | 33.46 1.62 0.00 | 29.27 1.23 0.00 | 28.30 1.11 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.42 1.79 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| RAVENSWOOD_GT3_3 24250 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.02 1.87 0.00 | 59.59 2.51 0.00 | 45.60 2.21 0.00 | 33.09 1.84 0.00 | 31.05 1.78 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.28 1.90 0.00 | 30.44 1.81 -2.35 | 31.83 1.94 -1.29 | 36.57 2.13 0.00 | 50.95 2.19 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| RAVENSWOOD_GT3_4 24251 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.33 1.14 0.00 | 27.73 1.07 0.00 | 28.77 1.11 0.00 | 33.37 1.25 0.00 | 51.02 1.87 0.00 | 59.59 2.51 0.00 | 45.60 2.21 0.00 | 33.09 1.84 0.00 | 31.05 1.78 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.28 1.90 0.00 | 30.44 1.81 -2.35 | 31.83 1.94 -1.29 | 36.57 2.13 0.00 | 50.95 2.19 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.22 1.74 0.00 | 40.36 1.48 0.00 | 36.09 1.15 0.00 |
| RAVENSWOOD_GT_1 23729 | 33.63 1.78 -0.01 | 29.42 1.37 -0.01 | 28.44 1.25 -0.01 | 27.85 1.17 -0.01 | 28.89 1.22 -0.01 | 33.51 1.38 -0.01 | 51.02 1.87 0.00 | 59.64 2.57 0.00 | 45.73 2.34 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.06 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.56 1.92 -2.36 | 31.95 2.06 -1.30 | 36.72 2.27 -0.01 | 50.80 2.05 0.00 | 63.30 2.14 0.00 | 63.31 1.90 0.00 | 48.25 1.54 0.00 | 43.26 1.78 0.00 | 40.48 1.59 0.00 | 36.24 1.29 -0.01 |
| RAVENSWOOD_GT_10 24258 | 33.43 1.59 0.00 | 29.27 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.02 1.08 0.00 |
| RAVENSWOOD_GT_11 24259 | 33.43 1.59 0.00 | 29.27 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.02 1.08 0.00 |
| RAVENSWOOD_GT_4 24252 | 33.42 1.59 0.01 | 29.23 1.21 0.01 | 28.27 1.09 0.01 | 27.67 1.01 0.01 | 28.71 1.05 0.01 | 33.30 1.19 0.01 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.47 2.08 0.00 | 32.99 1.75 0.01 | 30.95 1.70 0.01 | 28.88 1.71 0.01 | 29.46 1.75 0.01 | 30.19 1.82 0.01 | 30.39 1.76 -2.34 | 31.76 1.89 -1.28 | 36.50 2.07 0.01 | 50.95 2.19 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.30 1.59 0.00 | 43.13 1.66 0.00 | 40.28 1.40 0.00 | 36.01 1.08 0.01 |
| RAVENSWOOD_GT_5 24254 | 33.42 1.59 0.01 | 29.23 1.21 0.01 | 28.27 1.09 0.01 | 27.67 1.01 0.01 | 28.71 1.05 0.01 | 33.30 1.19 0.01 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.47 2.08 0.00 | 32.99 1.75 0.01 | 30.95 1.70 0.01 | 28.88 1.71 0.01 | 29.46 1.75 0.01 | 30.19 1.82 0.01 | 30.39 1.76 -2.34 | 31.76 1.89 -1.28 | 36.50 2.07 0.01 | 50.95 2.19 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.30 1.59 0.00 | 43.13 1.66 0.00 | 40.28 1.40 0.00 | 36.01 1.08 0.01 |
| RAVENSWOOD_GT_6 24253 | 33.42 1.59 0.01 | 29.23 1.21 0.01 | 28.27 1.09 0.01 | 27.67 1.01 0.01 | 28.71 1.05 0.01 | 33.30 1.19 0.01 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.47 2.08 0.00 | 32.99 1.75 0.01 | 30.95 1.70 0.01 | 28.88 1.71 0.01 | 29.46 1.75 0.01 | 30.19 1.82 0.01 | 30.39 1.76 -2.34 | 31.76 1.89 -1.28 | 36.50 2.07 0.01 | 50.95 2.19 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.30 1.59 0.00 | 43.13 1.66 0.00 | 40.28 1.40 0.00 | 36.01 1.08 0.01 |
| RAVENSWOOD_GT_7 24255 | 33.42 1.59 0.01 | 29.23 1.21 0.01 | 28.27 1.09 0.01 | 27.67 1.01 0.01 | 28.71 1.05 0.01 | 33.30 1.19 0.01 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.47 2.08 0.00 | 32.99 1.75 0.01 | 30.95 1.70 0.01 | 28.88 1.71 0.01 | 29.46 1.75 0.01 | 30.19 1.82 0.01 | 30.39 1.76 -2.34 | 31.76 1.89 -1.28 | 36.50 2.07 0.01 | 50.95 2.19 0.00 | 63.49 2.32 0.00 | 63.55 2.15 0.00 | 48.30 1.59 0.00 | 43.13 1.66 0.00 | 40.28 1.40 0.00 | 36.01 1.08 0.01 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 33.43 1.59 0.00 | 29.27 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.02 1.08 0.00 |
| RAVENSWOOD_GT_9 24257 | 33.43 1.59 0.00 | 29.27 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.34 1.22 0.00 | 50.97 1.82 0.00 | 59.47 2.40 0.00 | 45.51 2.13 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.77 0.00 | 30.22 1.84 0.00 | 30.39 1.76 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.15 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.02 1.08 0.00 |

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|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|------------------------|
| RAVENSWOOD___1 23533 | 33.60 1.75 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.84 1.17 -0.01 | 28.89 1.22 -0.01 | 33.54 1.41 -0.01 | 51.02 1.87 0.00 | 59.65 2.57 0.00 | 45.77 2.38 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.05 1.87 -0.01 | 29.64 1.91 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.36 | 31.95 2.06 -1.29 | 36.68 2.24 -0.01 | 50.80 2.05 0.00 | 63.24 2.08 0.00 | 63.31 1.91 0.00 | 48.25 1.54 0.00 | 43.30 1.82 0.00 | 40.40 1.51 0.00 | 36.20 1.26 -0.01 |
| RAVENSWOOD___2 23534 | 33.53 1.69 -0.01 | 29.36 1.32 -0.01 | 28.36 1.17 -0.01 | 27.79 1.12 -0.01 | 28.83 1.16 -0.01 | 33.47 1.35 -0.01 | 50.72 1.57 0.00 | 59.19 2.11 0.00 | 45.64 2.25 0.00 | 33.12 1.87 -0.01 | 31.08 1.81 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.32 1.93 -0.01 | 30.48 1.84 -2.36 | 31.89 2.00 -1.29 | 36.61 2.17 -0.01 | 50.51 1.75 0.00 | 62.82 1.65 0.00 | 62.87 1.47 0.00 | 48.16 1.45 0.00 | 43.22 1.74 0.00 | 40.32 1.44 0.00 | 36.13 1.19 -0.01 |
| RAVENSWOOD___3 23535 | 33.46 1.62 0.00 | 29.26 1.23 0.00 | 28.27 1.09 0.00 | 27.70 1.04 0.00 | 28.74 1.08 0.00 | 33.37 1.25 0.00 | 50.97 1.82 0.00 | 59.53 2.45 0.00 | 45.55 2.17 0.00 | 33.02 1.78 0.00 | 30.99 1.73 0.00 | 28.91 1.74 0.00 | 29.49 1.78 0.00 | 30.22 1.84 0.00 | 30.42 1.79 -2.35 | 31.80 1.92 -1.29 | 36.54 2.10 0.00 | 50.90 2.14 0.00 | 63.43 2.26 0.00 | 63.49 2.09 0.00 | 48.25 1.54 0.00 | 43.17 1.70 0.00 | 40.28 1.40 0.00 | 36.02 1.08 0.00 |
| RAVENSWOOD___4 23820 | 33.59 1.75 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.84 1.17 -0.01 | 28.86 1.19 -0.01 | 33.50 1.38 -0.01 | 50.97 1.82 0.00 | 59.58 2.51 0.00 | 45.73 2.34 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.03 1.85 -0.01 | 29.61 1.89 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.35 | 31.92 2.03 -1.29 | 36.68 2.24 -0.01 | 50.80 2.05 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.25 1.54 0.00 | 43.26 1.78 0.00 | 40.40 1.51 0.00 | 36.20 1.26 -0.01 |
| RCPL_TRUST___DRP 24196 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.30 1.11 0.00 | 27.73 1.07 0.00 | 28.74 1.08 0.00 | 33.37 1.25 0.00 | 51.07 1.92 0.00 | 59.59 2.51 0.00 | 45.55 2.17 0.00 | 33.05 1.81 0.00 | 31.05 1.78 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.25 1.87 0.00 | 30.45 1.81 -2.35 | 31.83 1.94 -1.29 | 36.54 2.10 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| RED___ROCHESTER 323720 | 32.51 0.67 0.00 | 28.85 0.81 0.00 | 28.00 0.81 0.00 | 27.54 0.88 0.00 | 28.47 0.80 0.00 | 32.76 0.64 0.00 | 48.81 -0.34 0.00 | 56.74 -0.34 0.00 | 43.65 0.26 0.00 | 31.65 0.41 0.00 | 29.93 0.67 0.00 | 27.50 0.33 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.70 0.42 0.00 | 28.45 -0.14 0.00 | 34.20 -0.24 0.00 | 48.12 0.79 0.00 | 61.96 0.79 0.00 | 61.83 0.43 0.00 | 46.57 -0.14 0.00 | 40.98 -0.50 0.00 | 38.92 0.04 0.00 | 35.53 0.59 0.00 |
| REGAN___SOLAR 323812 | 32.95 1.11 0.00 | 28.96 0.92 0.00 | 28.14 0.95 0.00 | 27.60 0.93 0.00 | 28.69 1.02 0.00 | 33.44 1.32 0.00 | 51.46 2.31 0.00 | 60.27 3.19 0.00 | 44.17 0.78 0.00 | 30.37 -0.87 0.00 | 27.80 -1.46 0.00 | 25.51 -1.66 0.00 | 25.86 -1.86 0.00 | 26.56 -1.82 0.00 | 25.30 -1.58 -0.59 | 27.71 -0.89 0.00 | 33.92 -0.52 0.00 | 49.88 1.12 0.00 | 63.79 2.63 0.00 | 64.17 2.77 0.00 | 48.76 2.05 0.00 | 43.09 1.62 0.00 | 40.32 1.44 0.00 | 36.09 1.15 0.00 |
| RENSSELAER___COGEN 23796 | 32.06 0.22 0.00 | 28.14 0.11 0.00 | 27.29 0.11 0.00 | 26.77 0.11 0.00 | 27.77 0.11 0.00 | 32.21 0.10 0.00 | 49.40 0.25 0.00 | 57.36 0.29 0.00 | 43.65 0.26 0.00 | 31.34 0.09 0.00 | 29.29 0.03 0.00 | 27.20 0.03 0.00 | 27.69 -0.03 0.00 | 28.38 0.00 0.00 | 27.09 0.11 -0.70 | 29.20 0.23 -0.37 | 34.68 0.24 0.00 | 49.14 0.39 0.00 | 61.35 0.18 0.00 | 61.59 0.18 0.00 | 46.85 0.14 0.00 | 41.56 0.08 0.00 | 38.92 0.04 0.00 | 34.97 0.03 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 34.03 2.20 0.00 | 29.91 1.88 0.00 | 29.06 1.88 0.00 | 28.53 1.87 0.00 | 29.65 1.99 0.00 | 34.56 2.44 0.00 | 53.08 3.93 0.00 | 61.41 4.34 0.00 | 46.16 2.78 0.00 | 32.18 0.94 0.00 | 30.34 1.08 0.00 | 27.93 0.76 0.00 | 28.19 0.47 0.00 | 28.97 0.60 0.00 | 27.65 0.74 -0.63 | 30.11 1.17 -0.35 | 35.47 1.03 0.00 | 51.78 3.02 0.00 | 65.75 4.59 0.00 | 66.19 4.79 0.00 | 50.26 3.55 0.00 | 44.25 2.78 0.00 | 41.53 2.64 0.00 | 37.17 2.24 0.00 |
| REVERE_CPPR_DRP 24186 | 32.70 0.86 0.00 | 28.85 0.81 0.00 | 28.03 0.84 0.00 | 27.38 0.72 0.00 | 28.49 0.83 0.00 | 33.24 1.12 0.00 | 51.07 1.92 0.00 | 59.42 2.34 0.00 | 44.77 1.39 0.00 | 31.93 0.69 0.00 | 29.79 0.53 0.00 | 27.55 0.38 0.00 | 28.27 0.55 0.00 | 28.94 0.57 0.00 | 26.65 0.37 0.00 | 29.14 0.54 0.00 | 35.12 0.69 0.00 | 50.17 1.41 0.00 | 63.30 2.14 0.00 | 63.80 2.39 0.00 | 48.44 1.73 0.00 | 43.01 1.53 0.00 | 40.25 1.36 0.00 | 36.09 1.15 0.00 |
| REYNLDPA_13_KV_LD 356490 | 32.09 0.25 0.00 | 28.37 0.34 0.00 | 27.46 0.27 0.00 | 26.85 0.19 0.00 | 27.88 0.22 0.00 | 32.50 0.39 0.00 | 49.93 0.78 0.00 | 57.82 0.74 0.00 | 43.73 0.35 0.00 | 31.52 0.28 0.00 | 29.47 0.21 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.74 0.31 0.00 | 49.24 0.49 0.00 | 61.84 0.67 0.00 | 62.26 0.86 0.00 | 47.55 0.84 0.00 | 42.26 0.79 0.00 | 39.66 0.78 0.00 | 35.57 0.63 0.00 |
| REYNOLDS_115KV_TB3 80639 | 32.31 0.48 0.00 | 28.37 0.34 0.00 | 27.51 0.33 0.00 | 26.98 0.32 0.00 | 28.00 0.33 0.00 | 32.44 0.32 0.00 | 49.84 0.69 0.00 | 57.76 0.68 0.00 | 43.95 0.56 0.00 | 31.59 0.34 0.00 | 29.49 0.23 0.00 | 27.42 0.24 0.00 | 27.91 0.19 0.00 | 28.60 0.23 0.00 | 27.32 0.32 -0.72 | 29.45 0.46 -0.39 | 34.95 0.52 0.00 | 49.58 0.83 0.00 | 61.90 0.73 0.00 | 62.14 0.74 0.00 | 47.22 0.51 0.00 | 41.89 0.41 0.00 | 39.27 0.39 0.00 | 35.25 0.31 0.00 |
| RIVERBAY____ 323610 | 33.88 2.04 -0.01 | 29.67 1.63 -0.01 | 28.69 1.50 -0.01 | 28.11 1.44 -0.01 | 29.16 1.49 -0.01 | 33.80 1.67 -0.01 | 51.51 2.36 0.00 | 60.21 3.14 0.00 | 46.08 2.69 0.00 | 33.34 2.09 -0.01 | 31.30 2.05 0.01 | 29.18 2.01 0.01 | 29.76 2.05 0.01 | 30.50 2.13 0.01 | 30.67 2.05 -2.34 | 32.08 2.20 -1.28 | 36.87 2.44 0.01 | 51.04 2.29 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.53 1.82 0.00 | 43.55 2.07 0.00 | 40.83 1.94 0.00 | 36.48 1.54 -0.01 |
| RIVERSDE_115KV_TB3 55908 | 32.19 0.35 0.00 | 28.26 0.22 0.00 | 27.43 0.24 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.34 0.22 0.00 | 49.64 0.49 0.00 | 57.59 0.51 0.00 | 43.82 0.43 0.00 | 31.46 0.22 0.00 | 29.41 0.15 0.00 | 27.31 0.14 0.00 | 27.77 0.06 0.00 | 28.49 0.11 0.00 | 27.20 0.21 -0.71 | 29.33 0.34 -0.39 | 34.81 0.38 0.00 | 49.39 0.63 0.00 | 61.65 0.49 0.00 | 61.89 0.49 0.00 | 47.08 0.37 0.00 | 41.76 0.29 0.00 | 39.16 0.27 0.00 | 35.15 0.21 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 31.36 -0.48 0.00 | 27.67 -0.37 0.00 | 26.86 -0.33 0.00 | 26.37 -0.29 0.00 | 27.39 -0.28 0.00 | 31.83 -0.29 0.00 | 48.81 -0.34 0.00 | 56.74 -0.34 0.00 | 43.17 -0.22 0.00 | 31.09 -0.16 0.00 | 29.14 -0.12 0.00 | 27.12 -0.05 0.00 | 27.66 -0.06 0.00 | 28.35 -0.03 0.00 | 26.26 -0.03 0.00 | 28.60 0.00 0.00 | 34.47 0.03 0.00 | 48.80 0.05 0.00 | 61.23 0.06 0.00 | 61.52 0.12 0.00 | 46.85 0.14 0.00 | 41.60 0.12 0.00 | 39.00 0.12 0.00 | 35.01 0.07 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|
| ROCHESRG_115KV_T4 355643 | 32.25 0.41 0.00 | 28.62 0.59 0.00 | 27.73 0.54 0.00 | 27.33 0.67 0.00 | 28.24 0.58 0.00 | 32.47 0.35 0.00 | 48.31 -0.84 0.00 | 55.99 -1.08 0.00 | 43.21 -0.17 0.00 | 31.37 0.12 0.00 | 29.64 0.38 0.00 | 27.25 0.08 0.00 | 27.91 0.19 0.00 | 28.52 0.14 0.00 | 26.47 0.18 0.00 | 28.20 -0.40 0.00 | 33.88 -0.55 0.00 | 47.63 -1.12 0.00 | 61.23 0.06 0.00 | 60.97 -0.43 0.00 | 46.01 -0.70 0.00 | 40.52 -0.95 0.00 | 38.38 -0.51 0.00 | 35.15 0.21 0.00 |
| ROCHESTER_9_IC 23652 | 32.41 0.57 0.00 | 28.73 0.70 0.00 | 27.86 0.68 0.00 | 27.46 0.80 0.00 | 28.35 0.69 0.00 | 32.63 0.51 0.00 | 48.56 -0.59 0.00 | 56.33 -0.74 0.00 | 43.47 0.09 0.00 | 31.52 0.28 0.00 | 29.82 0.56 0.00 | 27.39 0.22 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.60 0.32 0.00 | 28.34 -0.26 0.00 | 34.06 -0.38 0.00 | 47.88 -0.88 0.00 | 61.65 0.49 0.00 | 61.34 -0.06 0.00 | 46.29 -0.42 0.00 | 40.77 -0.71 0.00 | 38.57 -0.31 0.00 | 35.32 0.38 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 33.40 1.56 0.00 | 29.24 1.21 0.00 | 28.25 1.06 0.00 | 27.68 1.01 0.00 | 28.71 1.05 0.00 | 33.31 1.19 0.00 | 51.07 1.92 0.00 | 59.53 2.45 0.00 | 45.51 2.13 0.00 | 32.93 1.69 0.00 | 30.90 1.64 0.00 | 28.80 1.63 0.00 | 29.41 1.69 0.00 | 30.16 1.79 0.00 | 30.34 1.71 -2.35 | 31.71 1.83 -1.29 | 36.43 2.00 0.00 | 51.04 2.29 0.00 | 63.73 2.57 0.00 | 63.74 2.33 0.00 | 48.39 1.68 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| ROME____115KV_TB2 80656 | 32.70 0.86 0.00 | 28.85 0.81 0.00 | 28.03 0.84 0.00 | 27.38 0.72 0.00 | 28.49 0.83 0.00 | 33.24 1.12 0.00 | 51.07 1.92 0.00 | 59.42 2.34 0.00 | 44.77 1.39 0.00 | 31.93 0.69 0.00 | 29.79 0.53 0.00 | 27.55 0.38 0.00 | 28.27 0.55 0.00 | 28.94 0.57 0.00 | 26.65 0.37 0.00 | 29.14 0.54 0.00 | 35.12 0.69 0.00 | 50.17 1.41 0.00 | 63.30 2.14 0.00 | 63.80 2.39 0.00 | 48.44 1.73 0.00 | 43.01 1.53 0.00 | 40.25 1.36 0.00 | 36.09 1.15 0.00 |
| ROSETON___1 23587 | 32.98 1.14 0.00 | 28.90 0.87 0.00 | 27.97 0.79 0.00 | 27.41 0.75 0.00 | 28.44 0.77 0.00 | 32.99 0.87 0.00 | 50.52 1.37 0.00 | 58.79 1.71 0.00 | 44.94 1.56 0.00 | 32.49 1.25 0.00 | 30.43 1.17 0.00 | 28.37 1.19 0.00 | 28.91 1.19 0.00 | 29.65 1.28 0.00 | 29.30 1.24 -1.78 | 30.94 1.37 -0.97 | 35.95 1.51 0.00 | 50.46 1.71 0.00 | 62.94 1.77 0.00 | 63.06 1.66 0.00 | 47.88 1.17 0.00 | 42.68 1.20 0.00 | 39.86 0.97 0.00 | 35.70 0.77 0.00 |
| ROSETON___2 23588 | 32.98 1.14 0.00 | 28.90 0.87 0.00 | 27.97 0.79 0.00 | 27.41 0.75 0.00 | 28.44 0.77 0.00 | 32.99 0.87 0.00 | 50.52 1.37 0.00 | 58.79 1.71 0.00 | 44.94 1.56 0.00 | 32.49 1.25 0.00 | 30.43 1.17 0.00 | 28.37 1.19 0.00 | 28.91 1.19 0.00 | 29.65 1.28 0.00 | 29.30 1.24 -1.78 | 30.94 1.37 -0.97 | 35.95 1.51 0.00 | 50.46 1.71 0.00 | 62.94 1.77 0.00 | 63.06 1.66 0.00 | 47.88 1.17 0.00 | 42.68 1.20 0.00 | 39.86 0.97 0.00 | 35.70 0.77 0.00 |
| ROTTRDAM_115KV_TB3 80664 | 32.47 0.64 0.00 | 28.54 0.50 0.00 | 27.70 0.52 0.00 | 27.17 0.51 0.00 | 28.19 0.53 0.00 | 32.70 0.58 0.00 | 50.13 0.98 0.00 | 58.22 1.14 0.00 | 44.12 0.74 0.00 | 31.59 0.34 0.00 | 29.55 0.29 0.00 | 27.42 0.24 0.00 | 27.91 0.19 0.00 | 28.63 0.26 0.00 | 27.17 0.29 -0.59 | 29.35 0.43 -0.33 | 34.92 0.48 0.00 | 49.68 0.93 0.00 | 62.33 1.16 0.00 | 62.57 1.17 0.00 | 47.55 0.84 0.00 | 42.18 0.71 0.00 | 39.55 0.66 0.00 | 35.46 0.52 0.00 |
| RUSSELL___1 23602 | 32.51 0.67 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.44 0.77 0.00 | 32.73 0.61 0.00 | 48.81 -0.34 0.00 | 56.62 -0.46 0.00 | 43.65 0.26 0.00 | 31.65 0.41 0.00 | 29.93 0.67 0.00 | 27.50 0.33 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.70 0.42 0.00 | 28.45 -0.14 0.00 | 34.19 -0.24 0.00 | 48.12 -0.63 0.00 | 61.96 0.80 0.00 | 61.71 0.31 0.00 | 46.57 -0.14 0.00 | 40.98 -0.50 0.00 | 38.77 -0.12 0.00 | 35.46 0.52 0.00 |
| RUSSELL___2 23532 | 32.51 0.67 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.44 0.77 0.00 | 32.73 0.61 0.00 | 48.81 -0.34 0.00 | 56.62 -0.46 0.00 | 43.65 0.26 0.00 | 31.65 0.41 0.00 | 29.93 0.67 0.00 | 27.50 0.33 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.70 0.42 0.00 | 28.45 -0.14 0.00 | 34.19 -0.24 0.00 | 48.12 -0.63 0.00 | 61.96 0.80 0.00 | 61.71 0.31 0.00 | 46.57 -0.14 0.00 | 40.98 -0.50 0.00 | 38.77 -0.12 0.00 | 35.46 0.52 0.00 |
| RUSSELL___3 23549 | 32.51 0.67 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.44 0.77 0.00 | 32.73 0.61 0.00 | 48.81 -0.34 0.00 | 56.62 -0.46 0.00 | 43.65 0.26 0.00 | 31.65 0.41 0.00 | 29.93 0.67 0.00 | 27.50 0.33 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.70 0.42 0.00 | 28.45 -0.14 0.00 | 34.19 -0.24 0.00 | 48.12 -0.63 0.00 | 61.96 0.80 0.00 | 61.71 0.31 0.00 | 46.57 -0.14 0.00 | 40.98 -0.50 0.00 | 38.77 -0.12 0.00 | 35.46 0.52 0.00 |
| RUSSELL___4 23556 | 32.51 0.67 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.44 0.77 0.00 | 32.73 0.61 0.00 | 48.81 -0.34 0.00 | 56.62 -0.46 0.00 | 43.65 0.26 0.00 | 31.65 0.41 0.00 | 29.93 0.67 0.00 | 27.50 0.33 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.70 0.42 0.00 | 28.45 -0.14 0.00 | 34.19 -0.24 0.00 | 48.12 -0.63 0.00 | 61.96 0.80 0.00 | 61.71 0.31 0.00 | 46.57 -0.14 0.00 | 40.98 -0.50 0.00 | 38.77 -0.12 0.00 | 35.46 0.52 0.00 |
| RUSSELL___STATION 23914 | 32.51 0.67 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.44 0.77 0.00 | 32.73 0.61 0.00 | 48.81 -0.34 0.00 | 56.62 -0.46 0.00 | 43.65 0.26 0.00 | 31.65 0.41 0.00 | 29.93 0.67 0.00 | 27.50 0.33 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.70 0.42 0.00 | 28.45 -0.14 0.00 | 34.19 -0.24 0.00 | 48.12 -0.63 0.00 | 61.96 0.80 0.00 | 61.71 0.31 0.00 | 46.57 -0.14 0.00 | 40.98 -0.50 0.00 | 38.77 -0.12 0.00 | 35.46 0.52 0.00 |
| S SALMON___HYD 24043 | 31.71 -0.13 0.00 | 27.95 -0.08 0.00 | 27.13 -0.05 0.00 | 26.56 -0.11 0.00 | 27.58 -0.08 0.00 | 32.12 0.00 0.00 | 49.20 0.05 0.00 | 57.25 0.17 0.00 | 43.26 -0.13 0.00 | 31.02 -0.22 0.00 | 29.00 -0.26 0.00 | 26.85 -0.32 0.00 | 27.47 -0.25 0.00 | 28.12 -0.26 0.00 | 25.91 -0.37 0.00 | 28.25 -0.34 0.00 | 33.99 -0.45 0.00 | 48.41 -0.34 0.00 | 61.10 -0.06 0.00 | 61.52 0.12 0.00 | 46.80 0.09 0.00 | 41.56 0.08 0.00 | 38.92 0.04 0.00 | 34.94 0.00 0.00 |
| S.PERRY__115KV_TB1 80734 | 33.30 1.46 0.00 | 29.60 1.57 0.00 | 28.71 1.52 0.00 | 28.29 1.63 0.00 | 29.24 1.58 0.00 | 33.76 1.64 0.00 | 50.38 1.23 0.00 | 58.50 1.43 0.00 | 44.56 1.17 0.00 | 32.02 0.78 0.00 | 30.20 0.94 0.00 | 27.66 0.49 0.00 | 28.35 0.64 0.00 | 28.92 0.54 0.00 | 26.35 0.50 0.43 | 28.42 0.06 0.23 | 34.61 0.17 0.00 | 49.14 0.39 0.00 | 64.04 2.87 0.00 | 63.92 2.52 0.00 | 48.11 1.40 0.00 | 42.26 0.79 0.00 | 39.86 0.97 0.00 | 36.44 1.50 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 32.60 0.76 0.00 | 29.10 1.07 0.00 | 28.22 1.03 0.00 | 27.89 1.23 0.00 | 28.71 1.05 0.00 | 32.73 0.61 0.00 | 47.48 -1.67 0.00 | 54.56 -2.51 0.00 | 42.65 -0.74 0.00 | 31.24 0.00 0.00 | 29.76 0.50 0.00 | 27.20 0.03 0.00 | 27.91 0.19 0.00 | 28.46 0.09 0.00 | 26.09 0.21 0.40 | 27.60 -0.77 0.22 | 33.26 -1.17 0.00 | 46.46 -2.29 0.00 | 60.25 -0.92 0.00 | 59.56 -1.84 0.00 | 44.89 -1.82 0.00 | 39.40 -2.07 0.00 | 37.80 -1.09 0.00 | 35.18 0.24 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SAWYER___23_KV_LOAD 55526 | 32.60 0.76 0.00 | 29.10 1.07 0.00 | 28.22 1.03 0.00 | 27.89 1.23 0.00 | 28.71 1.05 0.00 | 32.73 0.61 0.00 | 47.48 -1.67 0.00 | 54.56 -2.51 0.00 | 42.65 -0.74 0.00 | 31.24 0.00 0.00 | 29.76 0.50 0.00 | 27.20 0.03 0.00 | 27.91 0.19 0.00 | 28.46 0.09 0.00 | 26.09 0.21 0.40 | 27.60 -0.77 0.22 | 33.26 -1.17 0.00 | 46.46 -2.29 0.00 | 60.25 -0.92 0.00 | 59.56 -1.84 0.00 | 44.89 -1.82 0.00 | 39.40 -2.07 0.00 | 37.80 -1.09 0.00 | 35.18 0.24 0.00 |
| SELKIRK___I 23801 | 32.41 0.57 0.00 | 28.48 0.45 0.00 | 27.65 0.46 0.00 | 27.12 0.45 0.00 | 28.13 0.47 0.00 | 32.60 0.48 0.00 | 49.98 0.83 0.00 | 57.93 0.86 0.00 | 43.95 0.56 0.00 | 31.43 0.19 0.00 | 29.44 0.18 0.00 | 27.23 0.05 0.00 | 27.72 0.00 0.00 | 28.40 0.03 0.00 | 27.17 0.16 -0.73 | 29.27 0.29 -0.39 | 34.78 0.34 0.00 | 49.53 0.78 0.00 | 62.02 0.86 0.00 | 62.26 0.86 0.00 | 47.36 0.65 0.00 | 42.05 0.58 0.00 | 39.39 0.50 0.00 | 35.39 0.45 0.00 |
| SELKIRK___II 23799 | 32.16 0.32 0.00 | 28.26 0.22 0.00 | 27.40 0.22 0.00 | 26.88 0.21 0.00 | 27.88 0.22 0.00 | 32.31 0.19 0.00 | 49.54 0.39 0.00 | 57.53 0.45 0.00 | 43.77 0.39 0.00 | 31.46 0.22 0.00 | 29.44 0.18 0.00 | 27.34 0.16 0.00 | 27.83 0.11 0.00 | 28.52 0.14 0.00 | 27.21 0.24 -0.69 | 29.31 0.34 -0.37 | 34.78 0.34 0.00 | 49.29 0.54 0.00 | 61.53 0.37 0.00 | 61.77 0.37 0.00 | 46.99 0.28 0.00 | 41.72 0.25 0.00 | 39.08 0.20 0.00 | 35.08 0.14 0.00 |
| SENECA OSWGO___HYD 24041 | 31.36 -0.48 0.00 | 27.61 -0.42 0.00 | 26.78 -0.41 0.00 | 26.29 -0.37 0.00 | 27.25 -0.41 0.00 | 31.64 -0.48 0.00 | 48.36 -0.79 0.00 | 56.22 -0.85 0.00 | 42.74 -0.65 0.00 | 30.77 -0.47 0.00 | 28.82 -0.44 0.00 | 26.71 -0.46 0.00 | 27.30 -0.41 0.00 | 27.92 -0.46 0.00 | 25.84 -0.45 0.00 | 28.11 -0.49 0.00 | 33.82 -0.62 0.00 | 47.88 -0.88 0.00 | 60.31 -0.86 0.00 | 60.54 -0.86 0.00 | 45.92 -0.79 0.00 | 40.73 -0.75 0.00 | 38.14 -0.74 0.00 | 34.34 -0.59 0.00 |
| SENECA___115KV_TB3 355854 | 32.73 0.89 0.00 | 29.29 1.26 0.00 | 28.38 1.20 0.00 | 28.02 1.36 0.00 | 28.85 1.19 0.00 | 32.95 0.84 0.00 | 48.02 -1.13 0.00 | 55.25 -1.83 0.00 | 43.04 -0.35 0.00 | 31.52 0.28 0.00 | 29.99 0.73 0.00 | 27.42 0.24 0.00 | 28.13 0.42 0.00 | 28.72 0.34 0.00 | 26.29 0.42 0.41 | 27.80 -0.57 0.23 | 33.57 -0.86 0.00 | 46.95 -1.80 0.00 | 60.98 -0.18 0.00 | 60.30 -1.11 0.00 | 45.40 -1.31 0.00 | 39.77 -1.70 0.00 | 38.11 -0.78 0.00 | 35.39 0.45 0.00 |
| SENECA___ENERGY 23797 | 32.03 0.19 0.00 | 28.28 0.25 0.00 | 27.43 0.24 0.00 | 26.99 0.32 0.00 | 27.97 0.30 0.00 | 32.41 0.29 0.00 | 49.00 -0.15 0.00 | 57.02 -0.06 0.00 | 43.43 0.04 0.00 | 31.34 0.09 0.00 | 29.44 0.18 0.00 | 27.17 0.00 0.00 | 27.80 0.08 0.00 | 28.40 0.03 0.00 | 26.28 0.00 0.00 | 28.37 -0.23 0.00 | 34.16 -0.28 0.00 | 48.27 -0.49 0.00 | 61.53 0.37 0.00 | 61.65 0.25 0.00 | 46.57 -0.14 0.00 | 41.10 -0.37 0.00 | 38.73 -0.15 0.00 | 35.04 0.11 0.00 |
| SHOEMAKER___GT 23640 | 32.83 0.99 0.00 | 28.82 0.78 0.00 | 27.87 0.68 0.00 | 27.33 0.67 0.00 | 28.33 0.66 0.00 | 32.86 0.74 0.00 | 50.28 1.13 0.00 | 58.56 1.48 0.00 | 44.69 1.30 0.00 | 32.24 1.00 0.00 | 30.23 0.96 0.00 | 28.15 0.98 0.00 | 28.74 1.03 0.00 | 29.45 1.08 0.00 | 18.29 1.05 9.04 | 24.77 1.11 4.94 | 35.64 1.20 0.00 | 50.17 1.41 0.00 | 62.82 1.65 0.00 | 62.87 1.47 0.00 | 47.78 1.08 0.00 | 42.55 1.08 0.00 | 39.66 0.78 0.00 | 35.57 0.63 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 32.82 0.99 0.00 | 28.82 0.78 0.00 | 27.86 0.68 0.00 | 27.30 0.64 0.00 | 28.33 0.66 0.00 | 32.82 0.71 0.00 | 50.28 1.13 0.00 | 58.56 1.48 0.00 | 44.64 1.26 0.00 | 32.27 1.03 0.00 | 30.23 0.97 0.00 | 28.15 0.98 0.00 | 28.74 1.03 0.00 | 29.45 1.08 0.00 | 14.18 1.05 13.16 | 22.50 1.12 7.21 | 35.64 1.21 0.00 | 50.12 1.37 0.00 | 62.75 1.59 0.00 | 62.88 1.47 0.00 | 47.74 1.03 0.00 | 42.51 1.04 0.00 | 39.70 0.82 0.00 | 35.53 0.59 0.00 |
| SHOREHAM_IC_1 23715 | 32.44 0.60 0.00 | 28.06 0.03 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.38 -0.28 0.01 | 31.71 -0.35 0.05 | 46.06 -0.39 2.69 | 46.18 -0.17 10.72 | 43.72 0.35 0.01 | 29.83 0.34 1.76 | 29.76 0.50 0.00 | 27.77 0.60 0.00 | 28.44 0.72 0.00 | 29.37 0.99 0.00 | 29.52 0.89 -2.34 | 31.22 1.34 -1.28 | 35.78 1.34 0.00 | 49.18 0.44 0.01 | 61.28 0.12 0.01 | 62.08 0.68 0.00 | 46.85 0.14 0.00 | 42.05 0.58 0.00 | 39.19 0.31 0.00 | 34.73 -0.21 0.00 |
| SHOREHAM_IC_2 23716 | 32.44 0.60 0.00 | 28.06 0.03 0.00 | 27.16 -0.03 0.00 | 26.61 -0.05 0.00 | 27.38 -0.28 0.01 | 31.68 -0.39 0.05 | 46.06 -0.39 2.69 | 46.18 -0.17 10.72 | 43.59 0.22 0.01 | 29.83 0.34 1.76 | 29.76 0.50 0.00 | 27.77 0.60 0.00 | 28.44 0.72 0.00 | 29.37 0.99 0.00 | 29.52 0.89 -2.34 | 31.22 1.34 -1.28 | 35.78 1.34 0.00 | 49.18 0.44 0.01 | 61.28 0.12 0.01 | 62.08 0.68 0.00 | 46.85 0.14 0.00 | 42.26 0.79 0.00 | 39.23 0.35 0.00 | 34.73 -0.21 0.00 |
| SISSONVILLE____ 23735 | 32.31 0.48 0.00 | 28.62 0.59 0.00 | 27.73 0.54 0.00 | 27.01 0.35 0.00 | 28.08 0.41 0.00 | 32.89 0.77 0.00 | 50.67 1.52 0.00 | 58.67 1.60 0.00 | 44.08 0.69 0.00 | 31.62 0.37 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.36 0.08 0.00 | 28.74 0.14 0.00 | 34.78 0.34 0.00 | 49.44 0.68 0.00 | 62.02 0.86 0.00 | 62.69 1.29 0.00 | 48.20 1.49 0.00 | 43.05 1.58 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |
| SITHE_IND_GS1 24169 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 26.00 -0.67 0.00 | 26.94 -0.72 0.00 | 31.25 -0.87 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.17 -1.21 0.00 | 30.40 -0.84 0.00 | 28.53 -0.73 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.42 0.00 | 59.52 -1.65 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.96 -0.98 0.00 |
| SITHE_IND_GS2 24170 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 26.00 -0.67 0.00 | 26.94 -0.72 0.00 | 31.25 -0.87 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.17 -1.21 0.00 | 30.40 -0.84 0.00 | 28.53 -0.73 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.42 0.00 | 59.52 -1.65 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.96 -0.98 0.00 |
| SITHE_IND_GS3 24171 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 26.00 -0.67 0.00 | 26.94 -0.72 0.00 | 31.25 -0.87 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.17 -1.21 0.00 | 30.40 -0.84 0.00 | 28.53 -0.73 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.42 0.00 | 59.52 -1.65 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.96 -0.98 0.00 |
| SITHE_IND_GS4 24172 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 26.00 -0.67 0.00 | 26.94 -0.72 0.00 | 31.25 -0.87 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.17 -1.21 0.00 | 30.40 -0.84 0.00 | 28.53 -0.73 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.42 0.00 | 59.52 -1.65 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.96 -0.98 0.00 |

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| SITHE___BATAVIA 24024 | 32.98 1.14 0.00 | 29.41 1.37 0.00 | 28.54 1.36 0.00 | 28.32 1.65 0.00 | 29.05 1.38 0.00 | 33.21 1.09 0.00 | 48.81 -0.34 0.00 | 56.56 -0.51 0.00 | 43.73 0.35 0.00 | 31.81 0.56 0.00 | 30.17 0.91 0.00 | 27.61 0.43 0.00 | 28.33 0.61 0.00 | 28.91 0.54 0.00 | 26.48 0.55 0.36 | 28.05 -0.34 0.20 | 33.92 -0.52 0.00 | 47.58 -1.17 0.00 | 61.96 0.79 0.00 | 61.59 0.18 0.00 | 46.24 -0.47 0.00 | 40.56 -0.91 0.00 | 38.88 0.00 0.00 | 35.88 0.94 0.00 |
| SITHE___INDEPEND 23800 | 30.98 -0.86 0.00 | 27.30 -0.73 0.00 | 26.48 -0.71 0.00 | 26.00 -0.67 0.00 | 26.94 -0.72 0.00 | 31.28 -0.84 0.00 | 47.72 -1.43 0.00 | 55.48 -1.60 0.00 | 42.21 -1.17 0.00 | 30.40 -0.84 0.00 | 28.53 -0.73 0.00 | 26.44 -0.73 0.00 | 27.00 -0.72 0.00 | 27.64 -0.74 0.00 | 25.60 -0.68 0.00 | 27.80 -0.80 0.00 | 33.44 -1.00 0.00 | 47.34 -1.41 0.00 | 59.51 -1.65 0.00 | 59.68 -1.72 0.00 | 45.31 -1.40 0.00 | 40.19 -1.29 0.00 | 37.72 -1.17 0.00 | 33.92 -1.01 0.00 |
| SITHE___MASSENA 23902 | 32.12 0.29 0.00 | 28.40 0.36 0.00 | 27.48 0.30 0.00 | 26.88 0.21 0.00 | 27.91 0.25 0.00 | 32.57 0.45 0.00 | 50.03 0.89 0.00 | 57.93 0.86 0.00 | 43.77 0.39 0.00 | 31.52 0.28 0.00 | 29.47 0.21 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.74 0.31 0.00 | 49.29 0.54 0.00 | 61.84 0.67 0.00 | 62.32 0.92 0.00 | 47.83 1.12 0.00 | 42.51 1.04 0.00 | 39.89 1.01 0.00 | 35.77 0.84 0.00 |
| SITHE___OGDNSBRG 24021 | 32.57 0.73 0.00 | 28.87 0.84 0.00 | 27.95 0.76 0.00 | 27.25 0.59 0.00 | 28.33 0.66 0.00 | 33.21 1.09 0.00 | 51.16 2.02 0.00 | 59.19 2.11 0.00 | 44.38 1.00 0.00 | 31.74 0.50 0.00 | 29.58 0.32 0.00 | 27.55 0.38 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.44 0.16 0.00 | 28.85 0.26 0.00 | 34.99 0.55 0.00 | 49.97 1.22 0.00 | 62.88 1.71 0.00 | 63.55 2.15 0.00 | 48.81 2.10 0.00 | 43.46 1.99 0.00 | 40.83 1.94 0.00 | 36.47 1.54 0.00 |
| SITHE___STERLING 23777 | 32.51 0.67 0.00 | 28.68 0.65 0.00 | 27.84 0.65 0.00 | 27.25 0.59 0.00 | 28.33 0.66 0.00 | 32.99 0.87 0.00 | 50.62 1.47 0.00 | 58.90 1.83 0.00 | 44.47 1.09 0.00 | 31.81 0.56 0.00 | 29.70 0.44 0.00 | 27.50 0.33 0.00 | 28.16 0.44 0.00 | 28.83 0.45 0.00 | 26.60 0.32 0.00 | 29.00 0.40 0.00 | 34.95 0.52 0.00 | 49.73 0.97 0.00 | 62.75 1.59 0.00 | 63.12 1.72 0.00 | 47.92 1.21 0.00 | 42.51 1.04 0.00 | 39.82 0.93 0.00 | 35.74 0.80 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 31.96 0.13 0.00 | 28.28 0.25 0.00 | 27.43 0.24 0.00 | 27.01 0.35 0.00 | 27.94 0.28 0.00 | 32.28 0.16 0.00 | 48.51 -0.64 0.00 | 56.39 -0.68 0.00 | 43.21 -0.17 0.00 | 31.24 0.00 0.00 | 29.44 0.18 0.00 | 27.12 -0.05 0.00 | 27.77 0.06 0.00 | 28.38 0.00 0.00 | 26.26 -0.03 0.00 | 28.17 -0.43 0.00 | 33.88 -0.55 0.00 | 47.83 -0.93 0.00 | 61.29 0.12 0.00 | 61.22 -0.18 0.00 | 46.20 -0.51 0.00 | 40.77 -0.71 0.00 | 38.38 -0.51 0.00 | 34.94 0.00 0.00 |
| SMITHTWN_69_KV_BK 1 55830 | 33.02 1.18 0.00 | 28.59 0.56 0.00 | 27.67 0.49 0.00 | 27.09 0.43 0.00 | 27.90 0.25 0.01 | 32.28 0.22 0.06 | 46.83 0.34 2.67 | 47.14 0.68 10.62 | 44.38 1.00 0.01 | 29.78 0.81 2.27 | 30.34 1.08 0.00 | 28.31 1.14 0.00 | 28.99 1.27 0.00 | 29.91 1.53 0.00 | 30.02 1.39 -2.34 | 31.74 1.86 -1.28 | 36.40 1.96 0.00 | 49.96 1.22 0.01 | 62.26 1.10 0.01 | 63.00 1.60 0.00 | 47.55 0.84 0.00 | 42.88 1.41 0.00 | 39.90 1.01 0.00 | 35.39 0.45 0.00 |
| SOUTH CAIRO___GT 23612 | 32.92 1.08 0.00 | 28.93 0.90 0.00 | 28.11 0.92 0.00 | 27.54 0.88 0.00 | 28.58 0.91 0.00 | 33.18 1.06 0.00 | 51.12 1.97 0.00 | 59.24 2.17 0.00 | 44.64 1.26 0.00 | 31.68 0.44 0.00 | 29.38 0.12 0.00 | 27.20 0.03 0.00 | 27.74 0.03 0.00 | 28.49 0.11 0.00 | 27.61 0.42 -0.90 | 29.75 0.66 -0.50 | 35.09 0.65 0.00 | 50.46 1.71 0.00 | 63.49 2.32 0.00 | 63.92 2.52 0.00 | 48.53 1.82 0.00 | 42.97 1.49 0.00 | 40.17 1.28 0.00 | 36.12 1.19 0.00 |
| SOUTH HAMPTN___IC 23720 | 32.92 1.08 0.00 | 28.48 0.45 0.00 | 27.51 0.33 0.00 | 27.04 0.37 0.00 | 27.77 0.11 0.01 | 32.16 0.10 0.05 | 46.80 0.35 2.70 | 47.02 0.69 10.75 | 44.38 1.00 0.01 | 30.31 0.81 1.74 | 30.20 0.94 0.00 | 28.18 1.01 0.00 | 28.85 1.14 0.00 | 29.79 1.42 0.00 | 29.91 1.29 -2.34 | 31.68 1.80 -1.28 | 36.29 1.86 0.00 | 49.96 1.22 0.01 | 62.32 1.16 0.01 | 63.12 1.72 0.00 | 47.59 0.89 0.00 | 42.68 1.20 0.00 | 39.74 0.85 0.00 | 35.22 0.28 0.00 |
| SOUTHDOW_115KV_TB1 355954 | 33.24 1.40 0.00 | 29.69 1.65 0.00 | 28.79 1.60 0.00 | 28.48 1.81 0.00 | 29.35 1.69 0.00 | 33.72 1.61 0.00 | 49.49 0.34 0.00 | 57.02 -0.06 0.00 | 44.34 0.95 0.00 | 32.46 1.22 0.00 | 30.78 1.52 0.00 | 28.20 1.03 0.00 | 28.96 1.25 0.00 | 29.51 1.14 0.00 | 27.01 1.16 0.43 | 28.42 0.06 0.24 | 34.57 0.14 0.00 | 48.46 -0.29 0.00 | 63.18 2.02 0.00 | 62.38 0.98 0.00 | 46.80 0.09 0.00 | 40.89 -0.58 0.00 | 38.96 0.08 0.00 | 36.02 1.08 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 33.40 1.56 0.00 | 28.90 0.87 0.00 | 27.97 0.79 0.00 | 27.41 0.75 0.00 | 28.15 0.50 0.01 | 32.55 0.48 0.05 | 47.53 1.08 2.70 | 47.87 1.54 10.75 | 44.90 1.52 0.01 | 30.72 1.22 1.74 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.24 1.52 0.00 | 30.19 1.82 0.00 | 30.28 1.66 -2.34 | 32.11 2.23 -1.28 | 36.85 2.41 0.00 | 50.84 2.10 0.01 | 63.42 2.26 0.01 | 64.29 2.89 0.00 | 48.44 1.73 0.00 | 43.55 2.07 0.00 | 40.36 1.48 0.00 | 35.71 0.77 0.00 |
| SOUTHOLD___IC 23719 | 33.40 1.56 0.00 | 28.90 0.87 0.00 | 27.89 0.71 0.00 | 27.41 0.75 0.00 | 28.15 0.50 0.01 | 32.58 0.51 0.05 | 47.53 1.08 2.70 | 47.87 1.54 10.75 | 45.03 1.65 0.01 | 30.72 1.22 1.74 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.24 1.52 0.00 | 30.19 1.82 0.00 | 30.28 1.66 -2.34 | 32.11 2.23 -1.28 | 36.84 2.41 0.00 | 50.84 2.09 0.01 | 63.42 2.26 0.01 | 64.29 2.89 0.00 | 48.44 1.73 0.00 | 43.34 1.87 0.00 | 40.32 1.44 0.00 | 35.70 0.77 0.00 |
| SOUTH_FORK_WT_PWR 323839 | 33.46 1.62 0.00 | 28.96 0.92 0.00 | 27.95 0.76 0.00 | 27.46 0.80 0.00 | 28.21 0.55 0.01 | 32.65 0.58 0.05 | 47.63 1.18 2.70 | 47.99 1.66 10.75 | 45.11 1.74 0.01 | 30.78 1.28 1.74 | 30.67 1.40 0.00 | 28.58 1.41 0.00 | 29.27 1.55 0.00 | 30.25 1.87 0.00 | 30.31 1.68 -2.34 | 32.14 2.26 -1.28 | 36.92 2.48 0.00 | 50.89 2.14 0.01 | 63.54 2.38 0.01 | 64.41 3.01 0.00 | 48.48 1.77 0.00 | 43.42 1.95 0.00 | 40.36 1.48 0.00 | 35.77 0.84 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 32.57 0.73 0.00 | 28.62 0.59 0.00 | 27.81 0.63 0.00 | 27.30 0.64 0.00 | 28.35 0.69 0.00 | 32.95 0.84 0.00 | 50.53 1.38 0.00 | 58.56 1.48 0.00 | 44.25 0.87 0.00 | 31.34 0.09 0.00 | 29.82 0.56 0.00 | 27.58 0.41 0.00 | 27.94 0.22 0.00 | 28.69 0.31 0.00 | 27.33 0.42 -0.63 | 29.65 0.71 -0.34 | 34.61 0.17 0.00 | 49.73 0.98 0.00 | 62.69 1.53 0.00 | 63.00 1.60 0.00 | 47.88 1.17 0.00 | 42.30 0.83 0.00 | 39.70 0.82 0.00 | 35.53 0.59 0.00 |
| ST LAWRENCE____ 23600 | 31.84 0.00 0.00 | 28.09 0.06 0.00 | 27.21 0.03 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.25 0.13 0.00 | 49.40 0.25 0.00 | 57.30 0.23 0.00 | 43.43 0.04 0.00 | 31.27 0.03 0.00 | 29.26 0.00 0.00 | 27.23 0.05 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.23 -0.05 0.00 | 28.57 -0.03 0.00 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.29 0.12 0.00 | 61.65 0.25 0.00 | 47.08 0.37 0.00 | 41.89 0.41 0.00 | 39.27 0.39 0.00 | 35.25 0.31 0.00 |

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| STATE_CA_115KV_115_LB 55624 | 32.19 0.35 0.00 | 28.26 0.22 0.00 | 27.43 0.24 0.00 | 26.90 0.24 0.00 | 27.91 0.25 0.00 | 32.37 0.26 0.00 | 49.64 0.49 0.00 | 57.65 0.57 0.00 | 43.82 0.43 0.00 | 31.43 0.19 0.00 | 29.35 0.09 0.00 | 27.25 0.08 0.00 | 27.72 0.00 0.00 | 28.43 0.06 0.00 | 27.13 0.16 -0.69 | 29.26 0.29 -0.38 | 34.75 0.31 0.00 | 49.34 0.59 0.00 | 61.65 0.49 0.00 | 61.89 0.49 0.00 | 47.08 0.37 0.00 | 41.76 0.29 0.00 | 39.16 0.27 0.00 | 35.15 0.21 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 31.96 0.13 0.00 | 28.17 0.14 0.00 | 27.32 0.14 0.00 | 26.82 0.16 0.00 | 27.80 0.14 0.00 | 32.28 0.16 0.00 | 49.10 -0.05 0.00 | 57.19 0.11 0.00 | 43.47 0.09 0.00 | 31.30 0.06 0.00 | 29.35 0.09 0.00 | 27.15 -0.03 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.26 -0.03 0.00 | 28.45 -0.14 0.00 | 34.23 -0.21 0.00 | 48.51 -0.24 0.00 | 61.59 0.43 0.00 | 61.77 0.37 0.00 | 46.76 0.05 0.00 | 41.35 -0.12 0.00 | 38.77 -0.12 0.00 | 34.97 0.03 0.00 |
| STATION_5_MISC_HYD 23604 | 32.41 0.57 0.00 | 28.73 0.70 0.00 | 27.89 0.71 0.00 | 27.46 0.80 0.00 | 28.38 0.72 0.00 | 32.63 0.51 0.00 | 48.61 -0.54 0.00 | 56.45 -0.63 0.00 | 43.43 0.04 0.00 | 31.52 0.28 0.00 | 29.82 0.55 0.00 | 27.39 0.22 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.60 0.32 0.00 | 28.34 -0.26 0.00 | 34.06 -0.38 0.00 | 47.88 -0.88 0.00 | 61.65 0.49 0.00 | 61.46 0.06 0.00 | 46.29 -0.42 0.00 | 40.77 -0.71 0.00 | 38.73 -0.15 0.00 | 35.39 0.45 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 32.22 0.38 0.00 | 28.51 0.48 0.00 | 27.65 0.46 0.00 | 27.22 0.56 0.00 | 28.16 0.50 0.00 | 32.50 0.39 0.00 | 48.76 -0.39 0.00 | 56.68 -0.40 0.00 | 43.47 0.09 0.00 | 31.43 0.19 0.00 | 29.64 0.38 0.00 | 27.28 0.11 0.00 | 27.94 0.22 0.00 | 28.55 0.17 0.00 | 26.44 0.16 0.00 | 28.34 -0.26 0.00 | 34.09 -0.34 0.00 | 48.07 -0.68 0.00 | 61.65 0.49 0.00 | 61.52 0.12 0.00 | 46.43 -0.28 0.00 | 40.93 -0.54 0.00 | 38.61 -0.27 0.00 | 35.18 0.24 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 32.19 0.35 0.00 | 28.54 0.50 0.00 | 27.65 0.46 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.00 | 32.41 0.29 0.00 | 48.31 -0.84 0.00 | 56.11 -0.97 0.00 | 43.21 -0.17 0.00 | 31.34 0.09 0.00 | 29.61 0.35 0.00 | 27.23 0.05 0.00 | 27.91 0.19 0.00 | 28.52 0.14 0.00 | 26.44 0.16 0.00 | 28.20 -0.40 0.00 | 33.88 -0.55 0.00 | 47.68 -1.07 0.00 | 61.29 0.12 0.00 | 61.03 -0.37 0.00 | 46.06 -0.65 0.00 | 40.56 -0.91 0.00 | 38.38 -0.51 0.00 | 35.08 0.14 0.00 |
| STA_56___34_KV_BUS2 355983 | 32.19 0.35 0.00 | 28.54 0.50 0.00 | 27.65 0.46 0.00 | 27.25 0.59 0.00 | 28.13 0.47 0.00 | 32.41 0.29 0.00 | 48.31 -0.84 0.00 | 56.11 -0.97 0.00 | 43.21 -0.17 0.00 | 31.34 0.09 0.00 | 29.61 0.35 0.00 | 27.23 0.05 0.00 | 27.91 0.19 0.00 | 28.52 0.14 0.00 | 26.44 0.16 0.00 | 28.20 -0.40 0.00 | 33.88 -0.55 0.00 | 47.68 -1.07 0.00 | 61.29 0.12 0.00 | 61.03 -0.37 0.00 | 46.06 -0.65 0.00 | 40.56 -0.91 0.00 | 38.38 -0.51 0.00 | 35.08 0.14 0.00 |
| STA_67___115KV_BK2 355882 | 32.35 0.51 0.00 | 28.71 0.67 0.00 | 27.81 0.63 0.00 | 27.41 0.75 0.00 | 28.30 0.64 0.00 | 32.57 0.45 0.00 | 48.46 -0.69 0.00 | 56.22 -0.86 0.00 | 43.34 -0.04 0.00 | 31.46 0.22 0.00 | 29.76 0.50 0.00 | 27.34 0.16 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.55 0.26 0.00 | 28.28 -0.31 0.00 | 33.99 -0.45 0.00 | 47.78 -0.98 0.00 | 61.47 0.31 0.00 | 61.22 -0.18 0.00 | 46.20 -0.51 0.00 | 40.64 -0.83 0.00 | 38.50 -0.39 0.00 | 35.25 0.31 0.00 |
| STA_7___115KV_9TRANS 80674 | 32.51 0.67 0.00 | 28.85 0.81 0.00 | 27.95 0.76 0.00 | 27.54 0.88 0.00 | 28.44 0.77 0.00 | 32.73 0.61 0.00 | 48.81 -0.34 0.00 | 56.62 -0.46 0.00 | 43.65 0.26 0.00 | 31.65 0.41 0.00 | 29.93 0.67 0.00 | 27.50 0.33 0.00 | 28.19 0.47 0.00 | 28.80 0.43 0.00 | 26.70 0.42 0.00 | 28.45 -0.14 0.00 | 34.19 -0.24 0.00 | 48.12 -0.63 0.00 | 61.96 0.80 0.00 | 61.71 0.31 0.00 | 46.57 -0.14 0.00 | 40.98 -0.50 0.00 | 38.77 -0.12 0.00 | 35.46 0.52 0.00 |
| STA_82___115KV_TB1 80780 | 32.35 0.51 0.00 | 28.71 0.67 0.00 | 27.81 0.63 0.00 | 27.41 0.75 0.00 | 28.30 0.64 0.00 | 32.57 0.45 0.00 | 48.51 -0.64 0.00 | 56.22 -0.86 0.00 | 43.39 0.00 0.00 | 31.46 0.22 0.00 | 29.76 0.50 0.00 | 27.34 0.16 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.55 0.26 0.00 | 28.28 -0.31 0.00 | 33.99 -0.45 0.00 | 47.78 -0.98 0.00 | 61.47 0.31 0.00 | 61.22 -0.18 0.00 | 46.20 -0.51 0.00 | 40.69 -0.79 0.00 | 38.53 -0.35 0.00 | 35.25 0.31 0.00 |
| STEEL___WIND 323596 | 32.73 0.89 0.00 | 29.21 1.18 0.00 | 28.35 1.17 0.00 | 28.05 1.39 0.00 | 28.85 1.19 0.00 | 32.95 0.83 0.00 | 48.02 -1.13 0.00 | 55.42 -1.66 0.00 | 42.99 -0.39 0.00 | 31.49 0.25 0.00 | 29.96 0.70 0.00 | 27.39 0.22 0.00 | 28.10 0.39 0.00 | 28.69 0.31 0.00 | 26.24 0.37 0.41 | 27.76 -0.60 0.23 | 33.54 -0.90 0.00 | 46.90 -1.85 0.00 | 60.92 -0.24 0.00 | 60.42 -0.98 0.00 | 45.35 -1.36 0.00 | 39.73 -1.74 0.00 | 38.30 -0.58 0.00 | 35.46 0.52 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 32.35 0.51 0.00 | 28.40 0.36 0.00 | 27.57 0.38 0.00 | 27.01 0.35 0.00 | 28.05 0.39 0.00 | 32.54 0.42 0.00 | 49.94 0.79 0.00 | 57.99 0.91 0.00 | 44.04 0.65 0.00 | 31.52 0.28 0.00 | 29.44 0.18 0.00 | 27.31 0.14 0.00 | 27.77 0.06 0.00 | 28.46 0.09 0.00 | 27.20 0.21 -0.70 | 29.35 0.37 -0.39 | 34.88 0.45 0.00 | 49.63 0.88 0.00 | 62.08 0.92 0.00 | 62.32 0.92 0.00 | 47.36 0.65 0.00 | 41.97 0.50 0.00 | 39.35 0.47 0.00 | 35.32 0.38 0.00 |
| STEUBEN_REC_LFGE 323667 | 32.66 0.83 0.00 | 29.07 1.04 0.00 | 28.25 1.06 0.00 | 27.92 1.25 0.00 | 28.85 1.19 0.00 | 33.40 1.28 0.00 | 49.74 0.59 0.00 | 57.76 0.68 0.00 | 43.78 0.39 0.00 | 31.59 0.34 0.00 | 29.82 0.56 0.00 | 27.34 0.16 0.00 | 28.08 0.36 0.00 | 28.69 0.31 0.00 | 26.08 0.29 0.49 | 28.24 -0.09 0.27 | 34.26 -0.17 0.00 | 48.66 -0.10 0.00 | 63.24 2.08 0.00 | 62.94 1.54 0.00 | 47.41 0.70 0.00 | 41.64 0.17 0.00 | 39.23 0.35 0.00 | 35.92 0.98 0.00 |
| STILLWATER___SOLAR 323814 | 32.83 0.99 0.00 | 28.82 0.78 0.00 | 27.97 0.79 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.08 0.96 0.00 | 50.82 1.67 0.00 | 58.90 1.83 0.00 | 44.60 1.21 0.00 | 31.71 0.47 0.00 | 29.70 0.44 0.00 | 27.50 0.33 0.00 | 27.94 0.22 0.00 | 28.66 0.28 0.00 | 27.29 0.37 -0.64 | 29.52 0.60 -0.33 | 35.02 0.58 0.00 | 50.21 1.46 0.00 | 63.12 1.96 0.00 | 63.37 1.96 0.00 | 48.16 1.45 0.00 | 42.63 1.16 0.00 | 39.97 1.09 0.00 | 35.84 0.91 0.00 |
| STONY___BROOK 24151 | 32.95 1.11 0.00 | 28.54 0.51 0.00 | 27.54 0.35 0.00 | 27.04 0.37 0.00 | 27.85 0.20 0.01 | 32.22 0.16 0.05 | 46.77 0.30 2.68 | 47.04 0.63 10.66 | 44.42 1.04 0.01 | 30.13 0.84 1.95 | 30.26 1.00 0.00 | 28.26 1.09 0.00 | 28.94 1.22 0.00 | 29.85 1.47 0.00 | 29.97 1.34 -2.34 | 31.68 1.80 -1.28 | 36.33 1.89 0.00 | 49.87 1.12 0.01 | 62.20 1.04 0.01 | 62.94 1.54 0.00 | 47.50 0.79 0.00 | 42.63 1.16 0.00 | 39.78 0.90 0.00 | 35.29 0.35 0.00 |
| STURGEON_POOL_HYD 23609 | 33.17 1.34 0.00 | 29.04 1.01 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.58 0.91 0.00 | 33.11 1.00 0.00 | 50.82 1.67 0.00 | 59.13 2.05 0.00 | 45.12 1.74 0.00 | 32.65 1.41 0.00 | 30.52 1.26 0.00 | 28.45 1.28 0.00 | 29.08 1.36 0.00 | 29.82 1.45 0.00 | 29.46 1.50 -1.68 | 31.15 1.63 -0.92 | 36.12 1.69 0.00 | 50.70 1.95 0.00 | 63.30 2.14 0.00 | 63.49 2.09 0.00 | 48.20 1.49 0.00 | 42.97 1.49 0.00 | 40.09 1.21 0.00 | 35.88 0.94 0.00 |

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| ST_LAW_115_BK7_LBMP 345037 | 31.84 0.00 0.00 | 28.12 0.08 0.00 | 27.21 0.03 0.00 | 26.64 -0.03 0.00 | 27.66 0.00 0.00 | 32.25 0.13 0.00 | 49.45 0.30 0.00 | 57.30 0.23 0.00 | 43.43 0.04 0.00 | 31.27 0.03 0.00 | 29.26 0.00 0.00 | 27.23 0.05 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.23 -0.05 0.00 | 28.54 -0.06 0.00 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.29 0.12 0.00 | 61.71 0.31 0.00 | 47.13 0.42 0.00 | 41.93 0.46 0.00 | 39.31 0.43 0.00 | 35.29 0.35 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 31.84 0.00 0.00 | 28.12 0.08 0.00 | 27.21 0.03 0.00 | 26.64 -0.03 0.00 | 27.66 0.00 0.00 | 32.25 0.13 0.00 | 49.45 0.30 0.00 | 57.30 0.23 0.00 | 43.43 0.04 0.00 | 31.27 0.03 0.00 | 29.26 0.00 0.00 | 27.23 0.05 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.23 -0.05 0.00 | 28.54 -0.06 0.00 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.29 0.12 0.00 | 61.71 0.31 0.00 | 47.13 0.42 0.00 | 41.93 0.46 0.00 | 39.31 0.43 0.00 | 35.29 0.35 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 31.84 0.00 0.00 | 28.09 0.06 0.00 | 27.21 0.03 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.25 0.13 0.00 | 49.40 0.25 0.00 | 57.30 0.23 0.00 | 43.43 0.04 0.00 | 31.27 0.03 0.00 | 29.26 0.00 0.00 | 27.23 0.05 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.23 -0.05 0.00 | 28.57 -0.03 0.00 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.29 0.12 0.00 | 61.65 0.25 0.00 | 47.08 0.37 0.00 | 41.89 0.41 0.00 | 39.27 0.39 0.00 | 35.25 0.31 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 31.84 0.00 0.00 | 28.09 0.06 0.00 | 27.21 0.03 0.00 | 26.66 0.00 0.00 | 27.66 0.00 0.00 | 32.25 0.13 0.00 | 49.40 0.25 0.00 | 57.30 0.23 0.00 | 43.43 0.04 0.00 | 31.27 0.03 0.00 | 29.26 0.00 0.00 | 27.23 0.05 0.00 | 27.74 0.03 0.00 | 28.38 0.00 0.00 | 26.23 -0.05 0.00 | 28.57 -0.03 0.00 | 34.50 0.07 0.00 | 48.90 0.15 0.00 | 61.29 0.12 0.00 | 61.65 0.25 0.00 | 47.08 0.37 0.00 | 41.89 0.41 0.00 | 39.27 0.39 0.00 | 35.25 0.31 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 32.95 1.11 0.00 | 28.90 0.87 0.00 | 27.95 0.76 0.00 | 27.38 0.72 0.00 | 28.41 0.75 0.00 | 32.92 0.80 0.00 | 50.43 1.28 0.00 | 58.79 1.71 0.00 | 44.86 1.48 0.00 | 32.43 1.19 0.00 | 30.40 1.14 0.00 | 28.31 1.14 0.00 | 28.91 1.19 0.00 | 29.63 1.25 0.00 | 32.18 1.21 -4.69 | 32.45 1.29 -2.57 | 35.85 1.41 0.00 | 50.31 1.56 0.00 | 63.00 1.83 0.00 | 63.06 1.66 0.00 | 47.88 1.17 0.00 | 42.64 1.16 0.00 | 39.82 0.93 0.00 | 35.64 0.70 0.00 |
| SWANROAD_115KV_TB1 355699 | 32.09 0.25 0.00 | 29.15 1.12 0.00 | 28.27 1.09 0.00 | 27.57 0.91 0.00 | 28.35 0.69 0.00 | 32.21 0.10 0.00 | 46.59 -2.56 0.00 | 53.54 -3.54 0.00 | 41.87 -1.52 0.00 | 30.71 -0.53 0.00 | 29.29 0.03 0.00 | 26.74 -0.43 0.00 | 27.44 -0.28 0.00 | 27.98 -0.40 0.00 | 25.66 -0.24 0.39 | 27.13 -1.26 0.21 | 32.64 -1.79 0.00 | 45.54 -3.22 0.00 | 59.15 -2.02 0.00 | 58.39 -3.01 0.00 | 44.05 -2.66 0.00 | 38.65 -2.82 0.00 | 37.17 -1.71 0.00 | 34.62 -0.31 0.00 |
| SYNERGY___BIOGAS 323694 | 32.98 1.15 0.00 | 29.60 1.57 0.00 | 28.68 1.50 0.00 | 28.16 1.49 0.00 | 29.02 1.36 0.00 | 33.18 1.06 0.00 | 48.81 -0.34 0.00 | 56.39 -0.68 0.00 | 43.73 0.35 0.00 | 31.80 0.56 0.00 | 30.17 0.91 0.00 | 27.61 0.43 0.00 | 28.33 0.61 0.00 | 28.92 0.54 0.00 | 26.47 0.55 0.36 | 28.06 -0.34 0.20 | 33.92 -0.52 0.00 | 47.58 -1.17 0.00 | 61.96 0.80 0.00 | 61.40 0.00 0.00 | 46.24 -0.47 0.00 | 40.56 -0.91 0.00 | 38.69 -0.19 0.00 | 35.78 0.84 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.58 -0.08 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.90 -0.17 0.00 | 43.21 -0.17 0.00 | 31.12 -0.12 0.00 | 29.17 -0.09 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.37 -0.23 0.00 | 34.16 -0.28 0.00 | 48.31 -0.44 0.00 | 60.98 -0.18 0.00 | 61.22 -0.18 0.00 | 46.43 -0.28 0.00 | 41.14 -0.33 0.00 | 38.53 -0.35 0.00 | 34.73 -0.21 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.61 -0.05 0.00 | 27.58 -0.08 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.90 -0.17 0.00 | 43.21 -0.17 0.00 | 31.12 -0.12 0.00 | 29.17 -0.09 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.37 -0.23 0.00 | 34.16 -0.28 0.00 | 48.31 -0.44 0.00 | 60.98 -0.18 0.00 | 61.22 -0.18 0.00 | 46.43 -0.28 0.00 | 41.14 -0.33 0.00 | 38.53 -0.35 0.00 | 34.73 -0.21 0.00 |
| SYRACUSE___POWER 24017 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.58 -0.08 0.00 | 27.55 -0.11 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.96 -0.11 0.00 | 43.26 -0.13 0.00 | 31.12 -0.12 0.00 | 29.14 -0.12 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.40 -0.20 0.00 | 34.19 -0.24 0.00 | 48.27 -0.49 0.00 | 60.86 -0.31 0.00 | 61.09 -0.31 0.00 | 46.34 -0.37 0.00 | 41.06 -0.41 0.00 | 38.50 -0.39 0.00 | 34.66 -0.28 0.00 |
| TALLMAN__138KV_BK151 55660 | 33.11 1.27 0.00 | 29.01 0.98 0.00 | 28.06 0.87 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.05 0.93 0.00 | 50.62 1.47 0.00 | 59.07 2.00 0.00 | 45.12 1.74 0.00 | 32.65 1.41 0.00 | 30.64 1.38 0.00 | 28.56 1.39 0.00 | 29.13 1.41 0.00 | 29.85 1.48 0.00 | 31.54 1.42 -3.84 | 32.21 1.52 -2.10 | 36.09 1.65 0.00 | 50.56 1.80 0.00 | 63.24 2.08 0.00 | 63.31 1.90 0.00 | 48.02 1.31 0.00 | 42.84 1.37 0.00 | 39.97 1.09 0.00 | 35.78 0.84 0.00 |
| TEALLAVE_115KV_TB7 355573 | 31.55 -0.29 0.00 | 27.81 -0.22 0.00 | 26.97 -0.22 0.00 | 26.48 -0.19 0.00 | 27.44 -0.22 0.00 | 31.86 -0.26 0.00 | 48.66 -0.49 0.00 | 56.62 -0.46 0.00 | 43.04 -0.35 0.00 | 30.99 -0.25 0.00 | 29.06 -0.20 0.00 | 26.93 -0.24 0.00 | 27.50 -0.22 0.00 | 28.15 -0.23 0.00 | 26.02 -0.26 0.00 | 28.28 -0.31 0.00 | 34.02 -0.41 0.00 | 48.12 -0.63 0.00 | 60.61 -0.55 0.00 | 60.85 -0.55 0.00 | 46.10 -0.61 0.00 | 40.89 -0.58 0.00 | 38.38 -0.51 0.00 | 34.55 -0.38 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 32.60 0.76 0.00 | 29.38 1.35 0.00 | 28.49 1.30 0.00 | 27.92 1.25 0.00 | 28.74 1.08 0.00 | 32.76 0.64 0.00 | 47.77 -1.38 0.00 | 55.02 -2.05 0.00 | 42.91 -0.48 0.00 | 31.34 0.09 0.00 | 29.82 0.56 0.00 | 27.25 0.08 0.00 | 27.97 0.25 0.00 | 28.52 0.14 0.00 | 26.15 0.24 0.37 | 27.71 -0.69 0.20 | 33.44 -1.00 0.00 | 46.75 -2.00 0.00 | 60.74 -0.43 0.00 | 60.17 -1.23 0.00 | 45.31 -1.40 0.00 | 39.73 -1.74 0.00 | 38.03 -0.86 0.00 | 35.32 0.38 0.00 |
| TEMPLE___115KV_TB 2 55572 | 31.58 -0.25 0.00 | 27.81 -0.22 0.00 | 26.97 -0.22 0.00 | 26.48 -0.19 0.00 | 27.47 -0.19 0.00 | 31.89 -0.22 0.00 | 48.66 -0.49 0.00 | 56.68 -0.40 0.00 | 43.08 -0.30 0.00 | 30.99 -0.25 0.00 | 29.09 -0.18 0.00 | 26.93 -0.24 0.00 | 27.52 -0.19 0.00 | 28.15 -0.23 0.00 | 26.05 -0.24 0.00 | 28.31 -0.29 0.00 | 34.06 -0.38 0.00 | 48.12 -0.63 0.00 | 60.61 -0.55 0.00 | 60.85 -0.55 0.00 | 46.15 -0.56 0.00 | 40.89 -0.58 0.00 | 38.38 -0.51 0.00 | 34.55 -0.38 0.00 |
| TIANA____69_KV_BK 1 55817 | 32.82 0.99 0.00 | 28.40 0.36 0.00 | 27.48 0.30 0.00 | 26.93 0.27 0.00 | 27.68 0.03 0.01 | 32.04 -0.03 0.05 | 46.65 0.20 2.70 | 46.84 0.51 10.75 | 44.12 0.74 0.01 | 30.22 0.72 1.74 | 30.11 0.85 0.00 | 28.10 0.92 0.00 | 28.77 1.05 0.00 | 29.71 1.33 0.00 | 29.83 1.21 -2.34 | 31.57 1.69 -1.28 | 36.19 1.76 0.00 | 49.82 1.07 0.01 | 62.14 0.98 0.01 | 62.94 1.54 0.00 | 47.46 0.75 0.00 | 42.76 1.29 0.00 | 39.66 0.78 0.00 | 35.15 0.21 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| TILDEN___115KV_TB1 80814 | 31.71 -0.13 0.00 | 27.92 -0.11 0.00 | 27.08 -0.11 0.00 | 26.58 -0.08 0.00 | 27.55 -0.11 0.00 | 32.02 -0.10 0.00 | 48.90 -0.25 0.00 | 56.96 -0.11 0.00 | 43.26 -0.13 0.00 | 31.12 -0.12 0.00 | 29.14 -0.12 0.00 | 27.01 -0.16 0.00 | 27.61 -0.11 0.00 | 28.23 -0.14 0.00 | 26.12 -0.16 0.00 | 28.40 -0.20 0.00 | 34.19 -0.24 0.00 | 48.27 -0.49 0.00 | 60.86 -0.31 0.00 | 61.09 -0.31 0.00 | 46.34 -0.37 0.00 | 41.06 -0.41 0.00 | 38.50 -0.39 0.00 | 34.66 -0.28 0.00 |
| TRIGEN___CC 323695 | 33.08 1.24 0.00 | 28.79 0.76 0.00 | 27.84 0.65 0.00 | 27.28 0.61 0.00 | 28.16 0.50 0.01 | 32.66 0.55 0.01 | 49.41 0.88 0.62 | 55.91 1.31 2.48 | 44.64 1.26 0.01 | 32.30 1.06 0.01 | 30.52 1.26 0.00 | 28.48 1.30 0.00 | 29.13 1.41 0.00 | 29.97 1.59 0.00 | 30.10 1.47 -2.34 | 31.71 1.83 -1.28 | 36.36 1.93 0.00 | 50.16 1.41 0.01 | 62.56 1.41 0.01 | 63.06 1.66 0.00 | 47.69 0.98 0.00 | 42.88 1.41 0.00 | 39.97 1.09 0.00 | 35.57 0.63 0.00 |
| TRINITY__115KV__4 BK 55933 | 32.09 0.25 0.00 | 28.17 0.14 0.00 | 27.35 0.16 0.00 | 26.82 0.16 0.00 | 27.83 0.17 0.00 | 32.25 0.13 0.00 | 49.49 0.34 0.00 | 57.42 0.34 0.00 | 43.69 0.30 0.00 | 31.37 0.12 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.72 0.00 0.00 | 28.40 0.03 0.00 | 27.11 0.13 -0.70 | 29.24 0.26 -0.38 | 34.71 0.28 0.00 | 49.24 0.49 0.00 | 61.47 0.31 0.00 | 61.71 0.31 0.00 | 46.90 0.19 0.00 | 41.64 0.17 0.00 | 39.04 0.16 0.00 | 35.04 0.10 0.00 |
| UNION___PROCESSING_DRP 323587 | 32.35 0.51 0.00 | 28.71 0.67 0.00 | 27.84 0.65 0.00 | 27.41 0.75 0.00 | 28.33 0.66 0.00 | 32.57 0.45 0.00 | 48.51 -0.64 0.00 | 56.28 -0.80 0.00 | 43.39 0.00 0.00 | 31.46 0.22 0.00 | 29.76 0.50 0.00 | 27.34 0.16 0.00 | 28.02 0.30 0.00 | 28.63 0.26 0.00 | 26.55 0.26 0.00 | 28.28 -0.31 0.00 | 33.99 -0.45 0.00 | 47.83 -0.93 0.00 | 61.53 0.37 0.00 | 61.22 -0.18 0.00 | 46.24 -0.47 0.00 | 40.69 -0.79 0.00 | 38.53 -0.35 0.00 | 35.25 0.31 0.00 |
| UPPER HUDSON___HYD 24058 | 32.57 0.73 0.00 | 28.62 0.59 0.00 | 27.81 0.63 0.00 | 27.30 0.64 0.00 | 28.36 0.69 0.00 | 32.95 0.83 0.00 | 50.52 1.37 0.00 | 58.56 1.48 0.00 | 44.25 0.87 0.00 | 31.34 0.09 0.00 | 29.82 0.55 0.00 | 27.58 0.41 0.00 | 27.94 0.22 0.00 | 28.69 0.31 0.00 | 27.33 0.42 -0.63 | 29.63 0.72 -0.31 | 34.61 0.17 0.00 | 49.73 0.97 0.00 | 62.69 1.53 0.00 | 63.00 1.59 0.00 | 47.88 1.17 0.00 | 42.30 0.83 0.00 | 39.66 0.78 0.00 | 35.53 0.59 0.00 |
| UPPER RAQUET___HYD 24056 | 32.32 0.48 0.00 | 28.62 0.59 0.00 | 27.73 0.54 0.00 | 27.01 0.35 0.00 | 28.08 0.42 0.00 | 32.89 0.77 0.00 | 50.67 1.53 0.00 | 58.67 1.60 0.00 | 44.12 0.74 0.00 | 31.62 0.38 0.00 | 29.49 0.23 0.00 | 27.47 0.30 0.00 | 28.02 0.31 0.00 | 28.63 0.25 0.00 | 26.36 0.08 0.00 | 28.74 0.14 0.00 | 34.78 0.34 0.00 | 49.44 0.68 0.00 | 62.02 0.86 0.00 | 62.69 1.29 0.00 | 48.20 1.49 0.00 | 43.05 1.58 0.00 | 40.52 1.63 0.00 | 36.23 1.29 0.00 |
| VALLEY44_115KV_TB2 355964 | 32.28 0.45 0.00 | 28.82 0.78 0.00 | 27.86 0.68 0.00 | 27.52 0.85 0.00 | 28.35 0.69 0.00 | 32.54 0.42 0.00 | 47.67 -1.47 0.00 | 55.02 -2.05 0.00 | 42.73 -0.65 0.00 | 31.27 0.03 0.00 | 29.64 0.38 0.00 | 27.17 0.00 0.00 | 27.83 0.11 0.00 | 28.35 -0.03 0.00 | 25.89 0.05 0.44 | 27.35 -1.00 0.24 | 33.37 -1.07 0.00 | 46.85 -1.90 0.00 | 60.86 -0.31 0.00 | 60.11 -1.29 0.00 | 45.21 -1.49 0.00 | 39.65 -1.82 0.00 | 37.72 -1.17 0.00 | 34.87 -0.07 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 32.95 1.11 0.00 | 29.01 0.98 0.00 | 28.16 0.98 0.00 | 27.60 0.93 0.00 | 28.66 1.00 0.00 | 33.31 1.19 0.00 | 51.02 1.87 0.00 | 59.24 2.17 0.00 | 44.99 1.61 0.00 | 32.37 1.12 0.00 | 30.29 1.02 0.00 | 28.10 0.92 0.00 | 28.71 1.00 0.00 | 29.40 1.02 0.00 | 27.20 0.92 0.00 | 29.63 1.03 0.00 | 35.64 1.21 0.00 | 50.56 1.80 0.00 | 63.49 2.32 0.00 | 63.74 2.33 0.00 | 48.48 1.77 0.00 | 43.09 1.62 0.00 | 40.40 1.52 0.00 | 36.30 1.36 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 32.95 1.11 0.00 | 29.04 1.01 0.00 | 28.19 1.01 0.00 | 27.60 0.93 0.00 | 28.66 1.00 0.00 | 33.27 1.16 0.00 | 50.92 1.77 0.00 | 61.58 4.51 0.00 | 46.38 2.99 0.00 | 33.05 1.81 0.00 | 30.72 1.46 0.00 | 28.26 1.09 0.00 | 29.10 1.39 0.00 | 29.74 1.36 0.00 | 26.54 0.97 0.72 | 28.98 0.77 0.39 | 35.33 0.90 0.00 | 50.31 1.56 0.00 | 63.24 2.08 0.00 | 63.49 2.09 0.00 | 48.30 1.59 0.00 | 42.88 1.41 0.00 | 40.13 1.24 0.00 | 35.99 1.05 0.00 |
| VISCHER___FERRY HYD 24020 | 32.57 0.73 0.00 | 28.59 0.56 0.00 | 27.73 0.54 0.00 | 27.20 0.53 0.00 | 28.22 0.55 0.00 | 32.76 0.64 0.00 | 50.38 1.23 0.00 | 58.39 1.31 0.00 | 44.34 0.95 0.00 | 31.77 0.53 0.00 | 29.67 0.41 0.00 | 27.55 0.38 0.00 | 28.02 0.31 0.00 | 28.72 0.34 0.00 | 27.39 0.42 -0.69 | 29.56 0.60 -0.36 | 35.12 0.69 0.00 | 50.07 1.32 0.00 | 62.63 1.47 0.00 | 62.87 1.47 0.00 | 47.74 1.03 0.00 | 42.30 0.83 0.00 | 39.66 0.78 0.00 | 35.57 0.63 0.00 |
| V_A_10_SYNC_DSASP 323832 | 32.38 0.54 0.00 | 28.87 0.84 0.00 | 27.97 0.79 0.00 | 27.65 0.99 0.00 | 28.47 0.80 0.00 | 32.50 0.39 0.00 | 47.33 -1.82 0.00 | 54.51 -2.57 0.00 | 42.52 -0.87 0.00 | 31.09 -0.16 0.00 | 29.61 0.35 0.00 | 27.09 -0.08 0.00 | 27.77 0.06 0.00 | 28.32 -0.06 0.00 | 25.97 0.05 0.37 | 27.57 -0.83 0.20 | 33.23 -1.21 0.00 | 46.41 -2.34 0.00 | 60.00 -1.16 0.00 | 59.38 -2.03 0.00 | 44.84 -1.87 0.00 | 39.44 -2.03 0.00 | 37.72 -1.17 0.00 | 35.01 0.07 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 31.96 0.13 0.00 | 28.23 0.20 0.00 | 27.35 0.16 0.00 | 26.74 0.08 0.00 | 27.77 0.11 0.00 | 32.37 0.26 0.00 | 49.69 0.54 0.00 | 57.59 0.51 0.00 | 43.60 0.22 0.00 | 31.40 0.16 0.00 | 29.35 0.09 0.00 | 27.34 0.16 0.00 | 27.86 0.14 0.00 | 28.46 0.09 0.00 | 26.31 0.03 0.00 | 28.62 0.03 0.00 | 34.64 0.21 0.00 | 49.09 0.34 0.00 | 61.59 0.43 0.00 | 62.02 0.61 0.00 | 47.36 0.65 0.00 | 42.10 0.62 0.00 | 39.51 0.62 0.00 | 35.43 0.49 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 32.63 0.80 0.00 | 28.93 0.90 0.00 | 27.97 0.79 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.33 1.18 0.00 | 57.93 0.86 0.00 | 44.21 0.82 0.00 | 31.87 0.62 0.00 | 29.76 0.50 0.00 | 27.77 0.60 0.00 | 28.24 0.53 0.00 | 28.83 0.45 0.00 | 26.62 0.34 0.00 | 28.97 0.37 0.00 | 35.19 0.76 0.00 | 49.53 0.78 0.00 | 62.20 1.04 0.00 | 62.63 1.23 0.00 | 48.02 1.31 0.00 | 43.30 1.82 0.00 | 40.64 1.75 0.00 | 36.44 1.50 0.00 |
| V_D_10_SYNC_DSASP 323841 | 32.12 0.29 0.00 | 28.40 0.36 0.00 | 27.48 0.30 0.00 | 26.88 0.21 0.00 | 27.88 0.22 0.00 | 32.57 0.45 0.00 | 49.98 0.83 0.00 | 57.93 0.86 0.00 | 43.77 0.39 0.00 | 31.52 0.28 0.00 | 29.47 0.21 0.00 | 27.44 0.27 0.00 | 27.94 0.22 0.00 | 28.58 0.20 0.00 | 26.39 0.11 0.00 | 28.71 0.11 0.00 | 34.74 0.31 0.00 | 49.29 0.54 0.00 | 61.84 0.67 0.00 | 62.32 0.92 0.00 | 47.78 1.08 0.00 | 42.51 1.04 0.00 | 39.89 1.01 0.00 | 35.77 0.84 0.00 |
| V_E_10_SYNC_DSASP 323830 | 33.72 1.88 0.00 | 29.80 1.77 0.00 | 28.95 1.77 0.00 | 28.32 1.65 0.00 | 29.49 1.83 0.00 | 34.46 2.34 0.00 | 52.74 3.59 0.00 | 62.10 5.02 0.00 | 46.38 2.99 0.00 | 32.83 1.59 0.00 | 30.46 1.20 0.00 | 27.99 0.81 0.00 | 28.85 1.14 0.00 | 29.48 1.11 0.00 | 26.39 0.76 0.66 | 29.01 0.83 0.41 | 35.64 1.20 0.00 | 51.58 2.83 0.00 | 65.94 4.77 0.00 | 66.50 5.09 0.00 | 50.31 3.60 0.00 | 44.54 3.07 0.00 | 41.72 2.84 0.00 | 37.42 2.48 0.00 |

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| V_F_30_NSYNC___DSASP 323816 | 32.86 1.02 0.00 | 28.87 0.84 0.00 | 28.03 0.84 0.00 | 27.49 0.83 0.00 | 28.52 0.86 0.00 | 33.11 1.00 0.00 | 50.87 1.72 0.00 | 58.96 1.88 0.00 | 44.64 1.26 0.00 | 31.74 0.50 0.00 | 29.76 0.50 0.00 | 27.55 0.38 0.00 | 27.97 0.25 0.00 | 28.69 0.31 0.00 | 27.34 0.42 -0.64 | 29.58 0.66 -0.32 | 35.06 0.62 0.00 | 50.27 1.51 0.00 | 63.18 2.02 0.00 | 63.43 2.02 0.00 | 48.20 1.49 0.00 | 42.68 1.20 0.00 | 40.01 1.13 0.00 | 35.88 0.94 0.00 |
| V_F_30_SYNC_DSASP 323786 | 32.19 0.35 0.00 | 28.26 0.22 0.00 | 27.43 0.24 0.00 | 26.90 0.24 0.00 | 27.91 0.25 0.00 | 32.34 0.22 0.00 | 49.64 0.49 0.00 | 57.65 0.57 0.00 | 43.82 0.43 0.00 | 31.43 0.19 0.00 | 29.35 0.09 0.00 | 27.25 0.08 0.00 | 27.72 0.00 0.00 | 28.43 0.06 0.00 | 27.10 0.13 -0.69 | 29.26 0.29 -0.38 | 34.75 0.31 0.00 | 49.34 0.59 0.00 | 61.65 0.49 0.00 | 61.89 0.49 0.00 | 47.08 0.37 0.00 | 41.76 0.29 0.00 | 39.16 0.27 0.00 | 35.15 0.21 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 32.63 0.80 0.00 | 28.93 0.90 0.00 | 27.97 0.79 0.00 | 27.33 0.67 0.00 | 28.38 0.72 0.00 | 33.21 1.09 0.00 | 50.33 1.18 0.00 | 57.93 0.86 0.00 | 44.21 0.82 0.00 | 31.87 0.62 0.00 | 29.76 0.50 0.00 | 27.77 0.60 0.00 | 28.24 0.53 0.00 | 28.83 0.45 0.00 | 26.62 0.34 0.00 | 28.97 0.37 0.00 | 35.19 0.76 0.00 | 49.53 0.78 0.00 | 62.20 1.04 0.00 | 62.63 1.23 0.00 | 48.02 1.31 0.00 | 43.30 1.82 0.00 | 40.64 1.75 0.00 | 36.44 1.50 0.00 |
| W.BABYLN_69_KV_BK1 56697 | 33.37 1.53 0.00 | 28.93 0.90 0.00 | 27.97 0.79 0.00 | 27.38 0.72 0.00 | 28.24 0.58 0.01 | 32.69 0.58 0.01 | 47.57 0.69 2.27 | 49.12 1.08 9.04 | 44.81 1.43 0.01 | 32.34 1.25 0.15 | 30.58 1.32 0.00 | 28.56 1.39 0.00 | 29.24 1.52 0.00 | 30.16 1.79 0.00 | 30.25 1.63 -2.34 | 32.00 2.12 -1.28 | 36.71 2.27 0.00 | 50.50 1.76 0.01 | 63.05 1.90 0.01 | 63.74 2.33 0.00 | 48.06 1.35 0.00 | 43.30 1.82 0.00 | 40.25 1.36 0.00 | 35.74 0.80 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 33.21 1.37 0.00 | 29.10 1.07 0.00 | 28.14 0.95 0.00 | 27.57 0.91 0.00 | 28.58 0.91 0.00 | 33.31 1.19 0.00 | 51.02 1.87 0.00 | 59.53 2.45 0.00 | 45.47 2.08 0.00 | 32.90 1.66 0.00 | 30.78 1.52 0.00 | 28.69 1.52 0.00 | 29.32 1.61 0.00 | 30.05 1.67 0.00 | 31.28 1.60 -3.40 | 32.17 1.72 -1.86 | 36.19 1.76 0.00 | 50.75 2.00 0.00 | 63.49 2.32 0.00 | 63.49 2.09 0.00 | 48.20 1.49 0.00 | 42.97 1.49 0.00 | 40.13 1.24 0.00 | 35.88 0.94 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 33.49 1.66 0.00 | 29.29 1.26 0.00 | 28.30 1.11 0.00 | 27.73 1.07 0.00 | 28.74 1.08 0.00 | 33.37 1.25 0.00 | 51.07 1.92 0.00 | 59.59 2.51 0.00 | 45.55 2.17 0.00 | 33.05 1.81 0.00 | 31.05 1.78 0.00 | 28.94 1.77 0.00 | 29.52 1.80 0.00 | 30.25 1.87 0.00 | 30.45 1.81 -2.35 | 31.83 1.94 -1.29 | 36.54 2.10 0.00 | 51.00 2.24 0.00 | 63.55 2.39 0.00 | 63.61 2.21 0.00 | 48.34 1.63 0.00 | 43.17 1.70 0.00 | 40.32 1.44 0.00 | 36.05 1.12 0.00 |
| W50THST__13_KV_LOAD 356117 | 33.68 1.85 0.00 | 29.41 1.37 0.00 | 28.44 1.25 0.00 | 27.84 1.17 0.00 | 28.88 1.22 0.00 | 33.53 1.41 0.00 | 51.31 2.16 0.00 | 59.93 2.85 0.00 | 45.81 2.43 0.00 | 33.24 2.00 0.00 | 31.22 1.96 0.00 | 29.13 1.96 0.00 | 29.71 2.00 0.00 | 30.45 2.07 0.00 | 30.60 1.97 -2.35 | 32.00 2.12 -1.29 | 36.74 2.31 0.00 | 51.29 2.54 0.00 | 63.92 2.75 0.00 | 63.98 2.58 0.00 | 48.58 1.87 0.00 | 43.38 1.91 0.00 | 40.52 1.63 0.00 | 36.19 1.26 0.00 |
| WADING RIVER_IC_1 23522 | 32.47 0.64 0.00 | 28.12 0.08 0.00 | 27.13 -0.05 0.00 | 26.66 0.00 0.00 | 27.43 -0.22 0.01 | 31.78 -0.29 0.05 | 46.11 -0.34 2.70 | 46.21 -0.11 10.75 | 43.81 0.43 0.01 | 29.93 0.44 1.75 | 29.82 0.55 0.00 | 27.82 0.65 0.00 | 28.49 0.77 0.00 | 29.43 1.05 0.00 | 29.57 0.94 -2.34 | 31.28 1.40 -1.28 | 35.81 1.38 0.00 | 49.23 0.49 0.01 | 61.34 0.18 0.01 | 62.08 0.68 0.00 | 46.90 0.19 0.00 | 42.10 0.62 0.00 | 39.23 0.35 0.00 | 34.80 -0.14 0.00 |
| WADING RIVER_IC_2 23547 | 32.47 0.64 0.00 | 28.12 0.08 0.00 | 27.13 -0.05 0.00 | 26.66 0.00 0.00 | 27.43 -0.22 0.01 | 31.78 -0.29 0.05 | 46.11 -0.34 2.70 | 46.21 -0.11 10.75 | 43.81 0.43 0.01 | 29.93 0.44 1.75 | 29.82 0.55 0.00 | 27.82 0.65 0.00 | 28.49 0.77 0.00 | 29.43 1.05 0.00 | 29.57 0.94 -2.34 | 31.28 1.40 -1.28 | 35.81 1.38 0.00 | 49.23 0.49 0.01 | 61.34 0.18 0.01 | 62.08 0.68 0.00 | 46.90 0.19 0.00 | 42.10 0.62 0.00 | 39.23 0.35 0.00 | 34.80 -0.14 0.00 |
| WADING RIVER_IC_3 23601 | 32.47 0.64 0.00 | 28.12 0.08 0.00 | 27.13 -0.05 0.00 | 26.66 0.00 0.00 | 27.43 -0.22 0.01 | 31.78 -0.29 0.05 | 46.11 -0.34 2.70 | 46.21 -0.11 10.75 | 43.81 0.43 0.01 | 29.93 0.44 1.75 | 29.82 0.55 0.00 | 27.82 0.65 0.00 | 28.49 0.77 0.00 | 29.43 1.05 0.00 | 29.57 0.94 -2.34 | 31.28 1.40 -1.28 | 35.81 1.38 0.00 | 49.23 0.49 0.01 | 61.34 0.18 0.01 | 62.08 0.68 0.00 | 46.90 0.19 0.00 | 42.10 0.62 0.00 | 39.23 0.35 0.00 | 34.80 -0.14 0.00 |
| WALDENNY_12_KV_BK2 80841 | 32.73 0.89 0.00 | 29.32 1.29 0.00 | 28.44 1.25 0.00 | 28.02 1.36 0.00 | 28.85 1.19 0.00 | 32.95 0.84 0.00 | 47.97 -1.18 0.00 | 55.19 -1.88 0.00 | 43.04 -0.35 0.00 | 31.52 0.28 0.00 | 29.99 0.73 0.00 | 27.42 0.24 0.00 | 28.13 0.42 0.00 | 28.72 0.34 0.00 | 26.29 0.42 0.41 | 27.80 -0.57 0.23 | 33.54 -0.90 0.00 | 46.95 -1.80 0.00 | 60.98 -0.18 0.00 | 60.24 -1.17 0.00 | 45.36 -1.35 0.00 | 39.73 -1.74 0.00 | 38.07 -0.82 0.00 | 35.39 0.45 0.00 |
| WALDEN__HYDRO 24148 | 33.11 1.27 0.00 | 29.04 1.01 0.00 | 28.11 0.92 0.00 | 27.52 0.85 0.00 | 28.55 0.89 0.00 | 33.08 0.96 0.00 | 50.72 1.57 0.00 | 59.13 2.05 0.00 | 45.08 1.69 0.00 | 32.55 1.31 0.00 | 30.46 1.20 0.00 | 28.40 1.22 0.00 | 28.99 1.27 0.00 | 29.74 1.36 0.00 | 31.40 1.31 -3.80 | 32.11 1.43 -2.08 | 35.98 1.55 0.00 | 50.56 1.80 0.00 | 63.30 2.14 0.00 | 63.43 2.03 0.00 | 48.11 1.40 0.00 | 42.88 1.41 0.00 | 40.01 1.13 0.00 | 35.81 0.87 0.00 |
| WARRENSBURG____ 23737 | 32.57 0.73 0.00 | 28.62 0.59 0.00 | 27.81 0.63 0.00 | 27.30 0.64 0.00 | 28.35 0.69 0.00 | 32.95 0.84 0.00 | 50.53 1.38 0.00 | 58.56 1.48 0.00 | 44.25 0.87 0.00 | 31.34 0.09 0.00 | 29.82 0.56 0.00 | 27.58 0.41 0.00 | 27.94 0.22 0.00 | 28.69 0.31 0.00 | 27.33 0.42 -0.63 | 29.65 0.71 -0.34 | 34.61 0.17 0.00 | 49.73 0.98 0.00 | 62.69 1.53 0.00 | 63.00 1.60 0.00 | 47.88 1.17 0.00 | 42.30 0.83 0.00 | 39.70 0.82 0.00 | 35.53 0.59 0.00 |
| WATERSIDE____6 8 9 23538 | 33.60 1.75 -0.01 | 29.41 1.37 -0.01 | 28.42 1.22 -0.01 | 27.84 1.17 -0.01 | 28.86 1.19 -0.01 | 33.47 1.35 -0.01 | 50.97 1.82 0.00 | 59.59 2.51 0.00 | 45.68 2.30 0.00 | 33.19 1.94 -0.01 | 31.14 1.87 -0.01 | 29.03 1.85 -0.01 | 29.61 1.88 -0.01 | 30.37 1.99 -0.01 | 30.53 1.89 -2.35 | 31.92 2.03 -1.29 | 36.68 2.24 -0.01 | 50.80 2.05 0.00 | 63.24 2.08 0.00 | 63.31 1.90 0.00 | 48.25 1.54 0.00 | 43.22 1.74 0.00 | 40.48 1.59 0.00 | 36.20 1.26 -0.01 |
| WATKINRD_115KV_LN8_ILLION 55919 | 32.60 0.76 0.00 | 28.71 0.67 0.00 | 27.86 0.68 0.00 | 27.33 0.67 0.00 | 28.35 0.69 0.00 | 32.95 0.84 0.00 | 50.43 1.28 0.00 | 58.62 1.54 0.00 | 44.51 1.13 0.00 | 32.02 0.78 0.00 | 29.96 0.70 0.00 | 27.80 0.62 0.00 | 28.41 0.69 0.00 | 29.09 0.71 0.00 | 26.91 0.63 0.00 | 29.31 0.71 0.00 | 35.30 0.86 0.00 | 50.02 1.27 0.00 | 62.82 1.65 0.00 | 63.06 1.66 0.00 | 47.92 1.21 0.00 | 42.59 1.12 0.00 | 39.93 1.05 0.00 | 35.85 0.91 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| WDELAWARE___HYD 323627 | 33.08 1.24 0.00 | 29.01 0.98 0.00 | 28.08 0.90 0.00 | 27.52 0.85 0.00 | 28.55 0.88 0.00 | 33.11 1.00 0.00 | 50.82 1.67 0.00 | 59.19 2.11 0.00 | 45.08 1.69 0.00 | 32.46 1.22 0.00 | 30.28 1.02 0.00 | 28.23 1.06 0.00 | 28.85 1.14 0.00 | 29.60 1.22 0.00 | 27.44 1.16 0.00 | 29.88 1.29 0.00 | 35.85 1.41 0.00 | 50.56 1.80 0.00 | 63.36 2.20 0.00 | 63.61 2.21 0.00 | 48.25 1.54 0.00 | 42.96 1.49 0.00 | 40.01 1.13 0.00 | 35.84 0.91 0.00 |
| WEST BABYLON___IC 23714 | 33.37 1.53 0.00 | 28.93 0.90 0.00 | 27.97 0.79 0.00 | 27.38 0.72 0.00 | 28.24 0.58 0.01 | 32.69 0.58 0.01 | 47.57 0.69 2.27 | 49.12 1.08 9.04 | 44.81 1.43 0.01 | 32.34 1.25 0.15 | 30.58 1.32 0.00 | 28.56 1.39 0.00 | 29.24 1.52 0.00 | 30.16 1.79 0.00 | 30.25 1.63 -2.34 | 32.00 2.12 -1.28 | 36.71 2.27 0.00 | 50.50 1.76 0.01 | 63.05 1.90 0.01 | 63.74 2.33 0.00 | 48.06 1.35 0.00 | 43.30 1.82 0.00 | 40.25 1.36 0.00 | 35.74 0.80 0.00 |
| WEST CANADA___HYD 24049 | 31.93 0.10 0.00 | 28.09 0.06 0.00 | 27.24 0.05 0.00 | 26.72 0.05 0.00 | 27.72 0.06 0.00 | 32.18 0.06 0.00 | 49.30 0.15 0.00 | 57.25 0.17 0.00 | 43.52 0.13 0.00 | 31.30 0.06 0.00 | 29.32 0.06 0.00 | 27.23 0.05 0.00 | 27.77 0.06 0.00 | 28.46 0.09 0.00 | 26.36 0.08 0.00 | 28.71 0.11 0.00 | 34.54 0.10 0.00 | 48.95 0.20 0.00 | 61.35 0.18 0.00 | 61.59 0.18 0.00 | 46.80 0.09 0.00 | 41.56 0.08 0.00 | 38.96 0.08 0.00 | 34.97 0.03 0.00 |
| WESTERN_NY_WIND 24143 | 32.95 1.11 0.00 | 29.60 1.57 0.00 | 28.68 1.50 0.00 | 28.16 1.49 0.00 | 28.99 1.33 0.00 | 33.18 1.06 0.00 | 48.71 -0.44 0.00 | 56.33 -0.74 0.00 | 43.69 0.30 0.00 | 31.77 0.53 0.00 | 30.14 0.88 0.00 | 27.58 0.41 0.00 | 28.30 0.58 0.00 | 28.89 0.51 0.00 | 26.47 0.55 0.36 | 28.03 -0.37 0.20 | 33.88 -0.55 0.00 | 47.53 -1.22 0.00 | 61.84 0.67 0.00 | 61.34 -0.06 0.00 | 46.15 -0.56 0.00 | 40.48 -1.00 0.00 | 38.61 -0.27 0.00 | 35.74 0.80 0.00 |
| WESTOVER___LESR 323668 | 32.28 0.45 0.00 | 28.48 0.45 0.00 | 27.62 0.43 0.00 | 27.14 0.48 0.00 | 28.11 0.44 0.00 | 32.54 0.42 0.00 | 49.20 0.05 0.00 | 57.30 0.23 0.00 | 43.69 0.30 0.00 | 31.55 0.31 0.00 | 29.64 0.38 0.00 | 27.39 0.22 0.00 | 27.99 0.28 0.00 | 28.63 0.26 0.00 | 25.78 0.24 0.74 | 28.19 0.00 0.41 | 34.40 -0.03 0.00 | 48.61 -0.15 0.00 | 61.71 0.55 0.00 | 61.65 0.25 0.00 | 46.71 0.00 0.00 | 41.35 -0.12 0.00 | 38.81 -0.08 0.00 | 35.15 0.21 0.00 |
| WETHRSFD_WT_PWR 323626 | 32.41 0.57 0.00 | 28.90 0.87 0.00 | 28.05 0.87 0.00 | 27.78 1.12 0.00 | 28.60 0.94 0.00 | 32.79 0.68 0.00 | 48.11 -1.03 0.00 | 55.65 -1.42 0.00 | 42.82 -0.57 0.00 | 31.12 -0.12 0.00 | 29.52 0.26 0.00 | 27.04 -0.14 0.00 | 27.74 0.03 0.00 | 28.32 -0.06 0.00 | 25.82 0.00 0.47 | 27.54 -0.80 0.26 | 33.37 -1.07 0.00 | 47.00 -1.75 0.00 | 61.04 -0.12 0.00 | 60.67 -0.73 0.00 | 45.59 -1.12 0.00 | 40.02 -1.45 0.00 | 38.30 -0.58 0.00 | 35.25 0.31 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 33.11 1.27 0.00 | 28.99 0.95 0.00 | 28.03 0.84 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.57 1.43 0.00 | 58.96 1.88 0.00 | 45.03 1.65 0.00 | 32.62 1.37 0.00 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.10 1.39 0.00 | 29.82 1.45 0.00 | 30.81 1.39 -3.13 | 31.80 1.49 -1.72 | 36.05 1.62 0.00 | 50.56 1.80 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 47.97 1.26 0.00 | 42.80 1.33 0.00 | 39.97 1.09 0.00 | 35.74 0.80 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 33.11 1.27 0.00 | 28.99 0.95 0.00 | 28.03 0.84 0.00 | 27.46 0.80 0.00 | 28.49 0.83 0.00 | 33.02 0.90 0.00 | 50.57 1.43 0.00 | 58.96 1.88 0.00 | 45.03 1.65 0.00 | 32.62 1.37 0.00 | 30.61 1.35 0.00 | 28.53 1.36 0.00 | 29.10 1.39 0.00 | 29.82 1.45 0.00 | 30.81 1.39 -3.13 | 31.80 1.49 -1.72 | 36.05 1.62 0.00 | 50.56 1.80 0.00 | 63.18 2.02 0.00 | 63.18 1.78 0.00 | 47.97 1.26 0.00 | 42.80 1.33 0.00 | 39.97 1.09 0.00 | 35.74 0.80 0.00 |
| WHITEHAL_115KV_TB1 80871 | 33.14 1.31 0.00 | 29.13 1.09 0.00 | 28.33 1.14 0.00 | 27.78 1.12 0.00 | 28.88 1.22 0.00 | 33.60 1.48 0.00 | 51.61 2.46 0.00 | 59.76 2.68 0.00 | 45.03 1.65 0.00 | 31.68 0.44 0.00 | 29.96 0.70 0.00 | 27.66 0.49 0.00 | 27.99 0.28 0.00 | 28.75 0.37 0.00 | 27.41 0.50 -0.63 | 29.80 0.86 -0.35 | 34.95 0.52 0.00 | 50.61 1.85 0.00 | 63.98 2.81 0.00 | 64.35 2.95 0.00 | 48.86 2.15 0.00 | 43.09 1.62 0.00 | 40.44 1.56 0.00 | 36.19 1.26 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 33.49 1.66 0.00 | 29.32 1.29 0.00 | 28.35 1.17 0.00 | 27.78 1.12 0.00 | 28.83 1.16 0.00 | 33.40 1.28 0.00 | 51.41 2.26 0.00 | 59.93 2.85 0.00 | 45.77 2.39 0.00 | 33.09 1.84 0.00 | 31.02 1.76 0.00 | 28.91 1.74 0.00 | 29.55 1.83 0.00 | 30.28 1.90 0.00 | 30.50 1.81 -2.40 | 31.83 1.92 -1.31 | 36.57 2.13 0.00 | 51.39 2.63 0.00 | 64.16 3.00 0.00 | 64.10 2.70 0.00 | 48.67 1.96 0.00 | 43.34 1.87 0.00 | 40.44 1.56 0.00 | 36.16 1.22 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 32.70 0.86 0.00 | 28.31 0.28 0.00 | 27.40 0.22 0.00 | 26.85 0.19 0.00 | 27.60 -0.06 0.01 | 31.97 -0.10 0.05 | 46.46 0.00 2.69 | 46.65 0.29 10.71 | 43.94 0.56 0.01 | 30.15 0.62 1.72 | 30.02 0.76 0.00 | 28.01 0.84 0.00 | 28.66 0.94 0.00 | 29.60 1.22 0.00 | 29.73 1.10 -2.34 | 31.45 1.57 -1.28 | 36.05 1.62 0.00 | 49.57 0.83 0.01 | 61.83 0.67 0.01 | 62.57 1.17 0.00 | 47.27 0.56 0.00 | 42.59 1.12 0.00 | 39.55 0.66 0.00 | 35.04 0.10 0.00 |
| WOODARD___115KV_TB2 355635 | 31.52 -0.32 0.00 | 27.75 -0.28 0.00 | 26.91 -0.27 0.00 | 26.42 -0.24 0.00 | 27.39 -0.28 0.00 | 31.80 -0.32 0.00 | 48.56 -0.59 0.00 | 56.50 -0.57 0.00 | 42.95 -0.43 0.00 | 30.93 -0.31 0.00 | 29.00 -0.26 0.00 | 26.87 -0.30 0.00 | 27.44 -0.28 0.00 | 28.09 -0.28 0.00 | 25.99 -0.29 0.00 | 28.25 -0.34 0.00 | 33.99 -0.45 0.00 | 48.07 -0.68 0.00 | 60.55 -0.61 0.00 | 60.73 -0.68 0.00 | 46.10 -0.61 0.00 | 40.85 -0.62 0.00 | 38.30 -0.58 0.00 | 34.48 -0.45 0.00 |
| WOODMERE_69_KV_BK1 55827 | 33.21 1.37 0.00 | 28.87 0.84 0.00 | 27.92 0.73 0.00 | 27.33 0.67 0.00 | 28.24 0.58 0.01 | 32.72 0.61 0.01 | 49.91 1.03 0.27 | 57.48 1.48 1.08 | 44.77 1.39 0.01 | 32.39 1.16 0.01 | 30.58 1.32 0.00 | 28.56 1.39 0.00 | 29.19 1.47 0.00 | 30.05 1.67 0.00 | 30.18 1.55 -2.34 | 31.80 1.92 -1.28 | 36.50 2.07 0.00 | 50.36 1.61 0.01 | 62.81 1.65 0.01 | 63.37 1.96 0.00 | 47.88 1.17 0.00 | 43.05 1.58 0.00 | 40.09 1.21 0.00 | 35.67 0.73 0.00 |
| YORK___WARBASSE 23770 | 33.69 1.85 -0.01 | 29.50 1.46 -0.01 | 28.50 1.30 -0.01 | 27.93 1.25 -0.01 | 28.97 1.30 -0.01 | 33.60 1.48 -0.01 | 51.12 1.97 0.00 | 59.87 2.80 0.00 | 45.86 2.47 0.00 | 33.19 1.94 -0.01 | 31.11 1.84 -0.01 | 29.00 1.82 -0.01 | 29.58 1.86 -0.01 | 30.31 1.93 -0.01 | 30.50 1.87 -2.36 | 31.92 2.03 -1.29 | 36.72 2.27 -0.01 | 50.75 2.00 0.00 | 63.24 2.08 0.00 | 63.24 1.84 0.00 | 48.20 1.49 0.00 | 43.17 1.70 0.00 | 40.48 1.59 0.00 | 36.31 1.36 -0.01 |