

Day Ahead Market Generator LBMP

| --- LBMP \$ | | --- Marginal Cost of Losses | | | | | | | | | | | | | | | --- Marginal Cost of Congestion | | | | | | | | | | 05/09/2026 | |
|----------------------|--------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------------------|-------|-------|-------|-------|--------|--------|-------|--------|--|------------|--|
| Generator Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | | | |
| | | 37.01 | 32.69 | 29.94 | 29.96 | 29.94 | 29.75 | 30.08 | 34.00 | 35.83 | 35.50 | 39.10 | 38.80 | 40.65 | 38.53 | 41.45 | 42.23 | 39.27 | 47.15 | 47.07 | 53.92 | 64.26 | 53.66 | 43.80 | 41.57 | | | |
| | | 2.45 | 2.00 | 1.85 | 1.85 | 1.75 | 1.82 | 1.86 | 2.31 | 2.62 | 2.77 | 3.10 | 3.20 | 3.07 | 2.94 | 3.41 | 3.38 | 3.09 | 3.74 | 3.36 | 4.46 | 5.21 | 3.65 | 3.14 | 2.59 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.54 | 0.00 | 0.00 | -2.72 | -2.57 | -0.56 | -3.31 | -1.52 | -1.81 | -7.16 | -1.51 | -9.86 | -13.91 | -6.92 | -9.55 | | | |
| 74TH STREET_GT_1 | 24260 | 36.94 | 32.63 | 29.89 | 29.90 | 29.88 | 29.66 | 30.00 | 33.91 | 35.73 | 35.40 | 38.96 | 38.69 | 40.54 | 38.43 | 41.30 | 42.09 | 39.17 | 47.02 | 46.96 | 53.78 | 64.16 | 53.59 | 43.74 | 41.55 | | | |
| | | 2.38 | 1.93 | 1.80 | 1.80 | 1.69 | 1.73 | 1.78 | 2.22 | 2.52 | 2.67 | 2.95 | 3.10 | 2.96 | 2.84 | 3.26 | 3.23 | 2.98 | 3.62 | 3.25 | 4.32 | 5.12 | 3.57 | 3.07 | 2.56 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.54 | 0.00 | 0.00 | -2.72 | -2.57 | -0.56 | -3.31 | -1.51 | -1.81 | -7.16 | -1.51 | -9.87 | -13.91 | -6.92 | -9.55 | | | |
| 74TH STREET_GT_2 | 24261 | 36.94 | 32.63 | 29.89 | 29.90 | 29.88 | 29.66 | 30.00 | 33.91 | 35.73 | 35.40 | 38.96 | 38.69 | 40.54 | 38.43 | 41.30 | 42.09 | 39.17 | 47.02 | 46.96 | 53.78 | 64.16 | 53.59 | 43.74 | 41.55 | | | |
| | | 2.38 | 1.93 | 1.80 | 1.80 | 1.69 | 1.73 | 1.78 | 2.22 | 2.52 | 2.67 | 2.95 | 3.10 | 2.96 | 2.84 | 3.26 | 3.23 | 2.98 | 3.62 | 3.25 | 4.32 | 5.12 | 3.57 | 3.07 | 2.56 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.54 | 0.00 | 0.00 | -2.72 | -2.57 | -0.56 | -3.31 | -1.51 | -1.81 | -7.16 | -1.51 | -9.87 | -13.91 | -6.92 | -9.55 | | | |
| ADK HUDSON___FALLS | 24011 | 36.66 | 32.60 | 29.80 | 29.90 | 29.94 | 29.63 | 29.94 | 33.46 | 35.03 | 33.96 | 37.95 | 37.52 | 36.74 | 34.80 | 40.12 | 37.50 | 36.47 | 44.05 | 46.92 | 50.98 | 61.28 | 53.94 | 43.51 | 42.18 | | | |
| | | 2.11 | 1.90 | 1.71 | 1.80 | 1.75 | 1.70 | 1.72 | 1.77 | 1.83 | 1.77 | 1.94 | 1.92 | 1.88 | 1.78 | 1.99 | 1.95 | 1.80 | 2.45 | 2.30 | 3.02 | 3.05 | 2.20 | 1.99 | 1.65 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.66 | 0.00 | 0.00 | 0.00 | -8.07 | 0.00 | -9.05 | -15.63 | -7.78 | -11.09 | | | |
| ADK RESOURCE___RCVRY | 23798 | 36.83 | 32.75 | 29.91 | 30.01 | 30.05 | 29.74 | 30.05 | 33.59 | 35.17 | 34.05 | 38.05 | 37.62 | 36.81 | 34.87 | 40.16 | 37.57 | 36.51 | 44.13 | 47.11 | 51.17 | 61.53 | 54.17 | 43.61 | 42.33 | | | |
| | | 2.28 | 2.06 | 1.82 | 1.91 | 1.86 | 1.81 | 1.83 | 1.90 | 1.96 | 1.87 | 2.05 | 2.03 | 1.95 | 1.85 | 2.02 | 2.03 | 1.84 | 2.54 | 2.45 | 3.21 | 3.25 | 2.35 | 2.09 | 1.80 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.66 | 0.00 | 0.00 | 0.00 | -8.11 | 0.00 | -9.10 | -15.72 | -7.78 | -11.10 | | | |
| ADK S GLENS___FALLS | 24028 | 36.66 | 32.60 | 29.80 | 29.90 | 29.94 | 29.63 | 29.94 | 33.46 | 35.03 | 33.96 | 37.95 | 37.52 | 36.74 | 34.80 | 40.12 | 37.50 | 36.47 | 44.05 | 46.92 | 50.98 | 61.28 | 53.94 | 43.51 | 42.18 | | | |
| | | 2.11 | 1.90 | 1.71 | 1.80 | 1.75 | 1.70 | 1.72 | 1.77 | 1.83 | 1.77 | 1.94 | 1.92 | 1.88 | 1.78 | 1.99 | 1.95 | 1.80 | 2.45 | 2.30 | 3.02 | 3.05 | 2.20 | 1.99 | 1.65 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.66 | 0.00 | 0.00 | 0.00 | -8.07 | 0.00 | -9.05 | -15.63 | -7.78 | -11.09 | | | |
| ADK_NYS___DAM | 23527 | 36.62 | 32.54 | 29.74 | 29.79 | 29.83 | 29.55 | 29.83 | 33.53 | 35.23 | 34.09 | 38.09 | 37.73 | 36.99 | 35.03 | 40.37 | 37.79 | 36.79 | 44.17 | 46.83 | 51.07 | 60.79 | 53.72 | 43.52 | 42.09 | | | |
| | | 2.07 | 1.84 | 1.66 | 1.69 | 1.63 | 1.62 | 1.61 | 1.84 | 2.03 | 1.90 | 2.09 | 2.14 | 2.13 | 2.01 | 2.25 | 2.24 | 2.12 | 2.58 | 2.34 | 3.12 | 2.70 | 2.24 | 2.16 | 1.80 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.64 | 0.00 | 0.00 | 0.00 | -7.93 | 0.00 | -8.90 | -15.38 | -7.61 | -10.86 | | | |
| AIR_PRODUCTS___DRP | 24190 | 35.38 | 31.68 | 29.04 | 29.06 | 29.07 | 28.77 | 28.84 | 32.42 | 34.00 | 33.02 | 36.90 | 36.55 | 35.80 | 33.91 | 39.09 | 36.58 | 35.57 | 42.72 | 45.38 | 49.30 | 59.10 | 52.23 | 42.26 | 40.95 | | | |
| | | 0.83 | 0.98 | 0.95 | 0.96 | 0.87 | 0.84 | 0.62 | 0.73 | 0.80 | 0.84 | 0.90 | 0.96 | 0.94 | 0.89 | 0.97 | 1.03 | 0.90 | 1.12 | 0.95 | 1.34 | 1.08 | 0.87 | 0.94 | 0.71 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.64 | 0.00 | 0.00 | 0.00 | -7.88 | 0.00 | -8.84 | -15.26 | -7.57 | -10.80 | | | |
| AKWESSNE_115KV_BK | 355683 | 34.10 | 30.30 | 27.67 | 27.74 | 27.88 | 27.65 | 27.94 | 31.34 | 32.88 | 31.90 | 35.68 | 35.34 | 34.55 | 32.72 | 37.10 | 35.19 | 34.36 | 41.22 | 36.18 | 47.48 | 48.69 | 35.67 | 33.30 | 29.03 | | | |
| | | -0.45 | -0.40 | -0.42 | -0.37 | -0.31 | -0.28 | -0.28 | -0.35 | -0.33 | -0.29 | -0.32 | -0.25 | -0.31 | -0.30 | -0.37 | -0.36 | -0.31 | -0.37 | -0.37 | -0.48 | -0.49 | -0.43 | -0.44 | -0.41 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 36.18 | 32.20 | 29.44 | 29.48 | 29.52 | 29.22 | 29.35 | 32.89 | 34.47 | 33.81 | 37.30 | 36.91 | 38.15 | 36.17 | 39.42 | 39.41 | 37.08 | 44.61 | 46.03 | 51.23 | 61.51 | 53.07 | 42.86 | 41.39 | | | |
| | | 1.62 | 1.50 | 1.35 | 1.38 | 1.33 | 1.29 | 1.13 | 1.20 | 1.26 | 1.22 | 1.29 | 1.32 | 1.29 | 1.25 | 1.31 | 1.42 | 1.28 | 1.67 | 1.50 | 2.16 | 2.02 | 1.48 | 1.45 | 1.26 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.40 | 0.00 | 0.00 | -2.00 | -1.90 | -0.64 | -2.44 | -1.13 | -1.35 | -7.98 | -1.12 | -10.31 | -15.48 | -7.66 | -10.69 | | | |
| ALBANY_2_SOLAR | 323834 | 36.18 | 32.17 | 29.44 | 29.48 | 29.52 | 29.19 | 29.35 | 32.89 | 34.47 | 33.81 | 37.30 | 36.91 | 38.15 | 36.17 | 39.42 | 39.41 | 37.08 | 44.61 | 46.00 | 51.18 | 61.51 | 53.07 | 42.86 | 41.39 | | | |
| | | 1.62 | 1.47 | 1.35 | 1.38 | 1.33 | 1.26 | 1.13 | 1.20 | 1.26 | 1.22 | 1.29 | 1.32 | 1.29 | 1.25 | 1.31 | 1.42 | 1.28 | 1.67 | 1.46 | 2.11 | 2.02 | 1.48 | 1.45 | 1.26 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.40 | 0.00 | 0.00 | -2.00 | -1.90 | -0.64 | -2.44 | -1.13 | -1.35 | -7.98 | -1.12 | -10.31 | -15.48 | -7.66 | -10.69 | | | |
| ALBANY___1 | 23571 | 35.38 | 31.68 | 29.04 | 29.06 | 29.07 | 28.77 | 28.84 | 32.42 | 34.00 | 33.02 | 36.90 | 36.55 | 35.80 | 33.91 | 39.09 | 36.58 | 35.57 | 42.72 | 45.38 | 49.30 | 59.10 | 52.23 | 42.26 | 40.95 | | | |
| | | 0.83 | 0.98 | 0.95 | 0.96 | 0.87 | 0.84 | 0.62 | 0.73 | 0.80 | 0.84 | 0.90 | 0.96 | 0.94 | 0.89 | 0.97 | 1.03 | 0.90 | 1.12 | 0.95 | 1.34 | 1.08 | 0.87 | 0.94 | 0.71 | | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.64 | 0.00 | 0.00 | 0.00 | -7.88 | 0.00 | -8.84 | -15.26 | -7.57 | -10.80 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ALBANY___2 23572 | 35.38 0.83 0.00 | 31.68 0.98 0.00 | 29.04 0.95 0.00 | 29.06 0.96 0.00 | 29.07 0.87 0.00 | 28.77 0.84 0.00 | 28.84 0.62 0.00 | 32.42 0.73 0.00 | 34.00 0.80 0.00 | 33.02 0.84 0.00 | 36.90 0.90 0.00 | 36.55 0.96 0.00 | 35.80 0.94 0.00 | 33.91 0.89 0.00 | 39.09 0.97 -0.64 | 36.58 1.03 0.00 | 35.57 0.90 0.00 | 42.72 1.12 0.00 | 45.38 0.95 -7.88 | 49.30 1.34 0.00 | 59.10 1.08 -8.84 | 52.23 0.87 -15.26 | 42.26 0.94 -7.57 | 40.95 0.71 -10.80 |
| ALBANY___3 23573 | 35.38 0.83 0.00 | 31.68 0.98 0.00 | 29.04 0.95 0.00 | 29.06 0.96 0.00 | 29.07 0.87 0.00 | 28.77 0.84 0.00 | 28.84 0.62 0.00 | 32.42 0.73 0.00 | 34.00 0.80 0.00 | 33.02 0.84 0.00 | 36.90 0.90 0.00 | 36.55 0.96 0.00 | 35.80 0.94 0.00 | 33.91 0.89 0.00 | 39.09 0.97 -0.64 | 36.58 1.03 0.00 | 35.57 0.90 0.00 | 42.72 1.12 0.00 | 45.38 0.95 -7.88 | 49.30 1.34 0.00 | 59.10 1.08 -8.84 | 52.23 0.87 -15.26 | 42.26 0.94 -7.57 | 40.95 0.71 -10.80 |
| ALBANY___4 23574 | 35.38 0.83 0.00 | 31.68 0.98 0.00 | 29.04 0.95 0.00 | 29.06 0.96 0.00 | 29.07 0.87 0.00 | 28.77 0.84 0.00 | 28.84 0.62 0.00 | 32.42 0.73 0.00 | 34.00 0.80 0.00 | 33.02 0.84 0.00 | 36.90 0.90 0.00 | 36.55 0.96 0.00 | 35.80 0.94 0.00 | 33.91 0.89 0.00 | 39.09 0.97 -0.64 | 36.58 1.03 0.00 | 35.57 0.90 0.00 | 42.72 1.12 0.00 | 45.38 0.95 -7.88 | 49.30 1.34 0.00 | 59.10 1.08 -8.84 | 52.23 0.87 -15.26 | 42.26 0.94 -7.57 | 40.95 0.71 -10.80 |
| ALBANY___LFGE 323615 | 35.90 1.35 0.00 | 31.93 1.23 0.00 | 29.21 1.12 0.00 | 29.23 1.13 0.00 | 29.29 1.10 0.00 | 28.99 1.06 0.00 | 29.10 0.88 0.00 | 32.67 0.98 0.00 | 34.30 1.09 0.00 | 33.28 1.10 0.00 | 37.19 1.19 0.00 | 36.84 1.25 0.00 | 36.08 1.22 0.00 | 34.21 1.19 0.00 | 39.43 1.31 -0.65 | 36.86 1.32 0.00 | 35.85 1.18 0.00 | 43.05 1.46 0.00 | 45.75 1.24 -7.96 | 49.68 1.72 0.00 | 59.64 1.53 -8.93 | 52.68 1.16 -15.42 | 42.59 1.21 -7.63 | 41.35 1.03 -10.89 |
| ALCOA_PA_115KV_PL-6C 55860 | 34.03 -0.52 0.00 | 30.27 -0.43 0.00 | 27.61 -0.48 0.00 | 27.65 -0.45 0.00 | 27.83 -0.37 0.00 | 27.57 -0.36 0.00 | 27.91 -0.31 0.00 | 31.28 -0.41 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.57 -0.43 0.00 | 35.24 -0.36 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.99 -0.49 0.00 | 35.08 -0.46 0.00 | 34.29 -0.38 0.00 | 41.14 -0.46 0.00 | 36.11 -0.44 0.00 | 47.43 -0.53 0.00 | 48.64 -0.54 0.00 | 35.64 -0.47 0.00 | 33.27 -0.47 0.00 | 28.97 -0.47 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 34.03 -0.52 0.00 | 30.27 -0.43 0.00 | 27.61 -0.48 0.00 | 27.65 -0.45 0.00 | 27.83 -0.37 0.00 | 27.59 -0.34 0.00 | 27.88 -0.34 0.00 | 31.28 -0.41 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.57 -0.43 0.00 | 35.24 -0.36 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.99 -0.49 0.00 | 35.08 -0.46 0.00 | 34.29 -0.38 0.00 | 41.14 -0.46 0.00 | 36.11 -0.44 0.00 | 47.43 -0.53 0.00 | 48.64 -0.54 0.00 | 35.64 -0.47 0.00 | 33.27 -0.47 0.00 | 29.00 -0.44 0.00 |
| ALCOA___DSASP 323711 | 34.03 -0.52 0.00 | 30.27 -0.43 0.00 | 27.61 -0.48 0.00 | 27.65 -0.45 0.00 | 27.83 -0.37 0.00 | 27.59 -0.34 0.00 | 27.88 -0.34 0.00 | 31.28 -0.41 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.57 -0.43 0.00 | 35.24 -0.36 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.99 -0.49 0.00 | 35.08 -0.46 0.00 | 34.29 -0.38 0.00 | 41.14 -0.46 0.00 | 36.11 -0.44 0.00 | 47.43 -0.53 0.00 | 48.64 -0.54 0.00 | 35.64 -0.47 0.00 | 33.27 -0.47 0.00 | 29.00 -0.44 0.00 |
| ALLEGHENY___COGEN 23514 | 33.94 -0.59 0.02 | 29.88 -0.80 0.02 | 27.45 -0.62 0.02 | 27.44 -0.65 0.02 | 27.64 -0.54 0.02 | 27.62 -0.31 0.00 | 28.11 -0.11 0.00 | 31.30 -0.38 0.01 | 32.32 -0.86 0.02 | 28.11 -1.38 2.70 | 25.37 -1.55 9.08 | 24.28 -1.96 9.35 | 19.31 -1.95 13.60 | 18.22 -1.92 12.88 | 17.55 -2.17 17.75 | 17.14 -1.85 16.56 | 22.39 -1.39 10.90 | 23.84 -1.29 16.46 | 56.12 -1.02 -20.59 | 39.79 -0.96 7.21 | 39.61 -0.79 8.79 | 35.40 -0.51 0.21 | 32.96 -0.67 0.11 | 29.36 -0.73 -0.65 |
| ALTAMONT_115KV_TB 2 55880 | 35.62 1.07 0.00 | 31.74 1.04 0.00 | 29.04 0.95 0.00 | 29.09 0.98 0.00 | 29.12 0.93 0.00 | 28.82 0.89 0.00 | 29.04 0.82 0.00 | 32.64 0.95 0.00 | 34.24 1.03 0.00 | 33.25 1.06 0.00 | 37.12 1.12 0.00 | 36.77 1.17 0.00 | 36.01 1.15 0.00 | 34.11 1.09 0.00 | 39.35 1.24 -0.64 | 36.79 1.24 0.00 | 35.81 1.14 0.00 | 43.01 1.41 0.00 | 45.69 1.28 -7.86 | 49.68 1.73 0.00 | 59.68 1.67 -8.82 | 52.60 1.26 -15.23 | 42.52 1.21 -7.56 | 41.19 0.97 -10.78 |
| ALTONA_WT_PWR 323606 | 34.00 -0.55 0.00 | 30.20 -0.49 0.00 | 27.61 -0.48 0.00 | 27.68 -0.42 0.00 | 27.86 -0.34 0.00 | 27.62 -0.31 0.00 | 27.97 -0.25 0.00 | 31.40 -0.29 0.00 | 32.98 -0.23 0.00 | 32.03 -0.16 0.00 | 35.79 -0.21 0.00 | 35.42 -0.18 0.00 | 34.65 -0.21 0.00 | 32.75 -0.27 0.00 | 37.14 -0.34 0.00 | 35.22 -0.32 0.00 | 34.39 -0.28 0.00 | 41.26 -0.33 0.00 | 36.22 -0.33 0.00 | 47.52 -0.43 0.00 | 48.69 -0.49 0.00 | 35.60 -0.51 0.00 | 33.20 -0.54 0.00 | 28.88 -0.56 0.00 |
| AMERICAN_REF_FUEL 24010 | 30.70 -3.84 0.02 | 27.15 -3.53 0.02 | 25.12 -2.95 0.02 | 25.02 -3.06 0.02 | 25.24 -2.93 0.02 | 25.25 -2.68 0.00 | 25.68 -2.54 0.00 | 28.64 -3.04 0.01 | 29.50 -3.69 0.02 | 26.22 -3.86 2.11 | 24.79 -4.03 7.18 | 23.89 -4.20 7.50 | 20.09 -4.08 10.69 | 19.08 -3.80 10.15 | 18.90 -4.35 14.22 | 18.59 -3.91 13.05 | 19.43 -3.29 11.95 | 19.46 -3.87 18.26 | 27.82 -4.24 4.49 | 33.84 -5.80 8.31 | 32.80 -5.90 10.48 | 31.54 -4.62 -0.05 | 29.58 -4.19 -0.02 | 26.50 -3.59 -0.65 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 31.91 -2.63 0.02 | 28.25 -2.43 0.02 | 25.91 -2.16 0.02 | 25.78 -2.30 0.02 | 25.97 -2.20 0.02 | 25.75 -2.18 0.00 | 26.36 -1.86 0.00 | 29.43 -2.25 0.01 | 31.33 -1.86 0.02 | 26.99 -2.70 2.50 | 24.38 -2.74 8.89 | 23.44 -2.99 9.16 | 19.39 -2.89 12.58 | 18.39 -2.71 11.92 | 16.83 -3.26 17.39 | 17.20 -3.02 15.33 | 19.78 -3.05 11.84 | 19.88 -3.62 18.09 | 28.37 -3.54 4.64 | 34.82 -4.84 8.29 | 33.79 -5.06 10.33 | 32.59 -3.43 0.09 | 30.73 -2.97 0.05 | 27.58 -2.50 -0.65 |
| ARTHUR KILL_GT_1 23520 | 37.19 2.63 -0.01 | 32.95 2.24 -0.01 | 30.17 2.08 -0.01 | 30.16 2.05 -0.01 | 30.17 1.97 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.91 2.22 0.00 | 35.57 2.36 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.37 2.79 -2.72 | 38.24 2.64 -2.57 | 41.11 3.07 -0.56 | 41.98 3.13 -3.31 | 39.03 2.84 -1.51 | 46.94 3.54 -1.81 | 46.89 3.18 -7.16 | 53.73 4.27 -1.51 | 64.07 5.02 -9.87 | 53.67 3.65 -13.91 | 43.88 3.21 -6.93 | 41.64 2.65 -9.55 |
| ARTHUR_KILL_2 23512 | 37.15 2.59 -0.01 | 33.04 2.33 -0.01 | 30.17 2.08 -0.01 | 30.22 2.11 -0.01 | 30.17 1.97 -0.01 | 30.03 2.10 -0.01 | 30.17 1.95 0.00 | 33.81 2.12 0.00 | 35.57 2.36 0.00 | 35.20 2.48 -0.54 | 38.71 2.70 0.00 | 38.40 2.81 0.00 | 40.29 2.72 -2.70 | 38.16 2.58 -2.56 | 41.04 3.00 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.82 3.41 -1.82 | 46.86 3.11 -7.21 | 53.64 4.17 -1.51 | 64.02 4.92 -9.91 | 53.64 3.54 -13.99 | 43.78 3.10 -6.93 | 41.67 2.68 -9.55 |
| ARTHUR_KILL_3 23513 | 36.66 2.11 0.00 | 32.51 1.81 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.71 1.52 0.00 | 29.55 1.62 0.00 | 29.86 1.64 0.00 | 33.69 2.00 0.00 | 35.57 2.36 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.25 2.68 -2.70 | 38.16 2.58 -2.56 | 41.00 2.96 -0.56 | 41.79 2.95 -3.29 | 38.93 2.74 -1.52 | 46.70 3.29 -1.82 | 46.72 2.96 -7.21 | 53.44 3.98 -1.51 | 63.82 4.72 -9.91 | 53.34 3.25 -13.99 | 43.47 2.80 -6.92 | 41.37 2.38 -9.55 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|
| ARTHUR_KILL_COGEN 323718 | 37.26 2.70 -0.01 | 33.10 2.40 -0.01 | 30.26 2.16 -0.01 | 30.27 2.16 -0.01 | 30.23 2.03 -0.01 | 30.09 2.15 -0.01 | 30.22 2.00 0.00 | 33.91 2.22 0.00 | 35.67 2.46 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.35 2.79 -2.70 | 38.22 2.64 -2.56 | 41.11 3.07 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.94 3.53 -1.82 | 46.98 3.22 -7.21 | 53.78 4.32 -1.51 | 64.16 5.07 -9.91 | 53.75 3.65 -13.99 | 43.88 3.21 -6.93 | 41.76 2.77 -9.55 |
| ASHOKAN____ 23654 | 37.11 2.56 0.00 | 32.97 2.27 0.00 | 30.17 2.08 0.00 | 30.24 2.13 0.00 | 30.25 2.06 0.00 | 29.91 1.98 0.00 | 30.05 1.83 0.00 | 33.72 2.03 0.00 | 35.43 2.23 0.00 | 34.80 2.16 -0.45 | 37.84 1.84 0.00 | 37.27 1.67 0.00 | 38.70 1.57 -2.27 | 36.72 1.55 -2.15 | 38.50 0.41 -0.61 | 40.16 1.85 -2.77 | 37.63 1.66 -1.30 | 45.22 2.08 -1.55 | 45.29 1.06 -7.68 | 52.78 3.55 -1.27 | 61.31 1.97 -10.16 | 52.30 1.30 -14.90 | 42.33 1.21 -7.38 | 40.71 1.03 -10.24 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 36.80 2.24 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.91 1.72 0.00 | 29.80 1.87 0.00 | 30.00 1.78 0.00 | 33.55 1.87 0.01 | 35.46 2.26 0.01 | 35.07 2.35 -0.53 | 38.48 2.48 0.01 | 38.18 2.60 0.01 | 40.03 2.48 -2.70 | 37.92 2.34 -2.55 | 40.73 2.70 -0.56 | 41.57 2.74 -3.29 | 38.68 2.50 -1.51 | 46.40 3.00 -1.81 | 46.46 2.70 -7.20 | 53.10 3.64 -1.50 | 63.61 4.52 -9.91 | 53.15 3.07 -13.98 | 43.22 2.56 -6.92 | 41.19 2.21 -9.54 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 36.80 2.24 0.00 | 32.78 2.09 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.94 1.75 0.00 | 29.80 1.87 0.00 | 30.03 1.81 0.00 | 33.55 1.87 0.01 | 35.46 2.26 0.01 | 35.07 2.35 -0.53 | 38.48 2.48 0.01 | 38.18 2.60 0.01 | 40.03 2.48 -2.70 | 37.92 2.34 -2.55 | 40.73 2.70 -0.56 | 41.57 2.74 -3.29 | 38.68 2.50 -1.51 | 46.40 3.00 -1.81 | 46.46 2.70 -7.20 | 53.10 3.64 -1.50 | 63.61 4.52 -9.91 | 53.15 3.07 -13.98 | 43.22 2.56 -6.92 | 41.19 2.21 -9.54 |
| ASTORIA_GT2_1 24094 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT2_2 24095 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT2_3 24096 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT2_4 24097 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT3_1 24098 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT3_2 24099 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT3_3 24100 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT3_4 24101 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT4_1 24102 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT4_2 24103 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT4_3 24104 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |

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|----------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|
| ASTORIA_GT4_4 24105 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.72 1.50 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.11 2.38 -0.54 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.05 2.48 -2.72 | 37.97 2.38 -2.57 | 40.78 2.74 -0.56 | 41.59 2.74 -3.31 | 38.72 2.53 -1.51 | 46.44 3.04 -1.81 | 46.45 2.74 -7.16 | 53.11 3.64 -1.51 | 63.57 4.52 -9.87 | 53.12 3.11 -13.91 | 43.26 2.60 -6.92 | 41.10 2.12 -9.54 |
| ASTORIA_GT_1 23523 | 36.76 2.21 0.00 | 32.54 1.84 0.00 | 29.80 1.71 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.49 1.56 0.00 | 29.74 1.52 0.00 | 33.62 1.93 0.00 | 35.43 2.22 0.00 | 35.14 2.41 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.12 2.54 -2.72 | 38.04 2.44 -2.57 | 40.85 2.81 -0.56 | 41.66 2.81 -3.31 | 38.75 2.57 -1.51 | 46.52 3.12 -1.81 | 46.49 2.78 -7.16 | 53.21 3.74 -1.51 | 63.67 4.62 -9.87 | 53.15 3.14 -13.91 | 43.30 2.63 -6.92 | 41.13 2.15 -9.54 |
| ASTORIA_GT_10 24110 | 36.80 2.25 0.00 | 32.57 1.87 0.00 | 29.83 1.74 0.00 | 29.84 1.74 0.00 | 29.86 1.66 0.00 | 29.58 1.65 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.23 2.65 -2.72 | 38.14 2.54 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.89 2.70 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.72 4.67 -9.87 | 53.30 3.29 -13.91 | 43.50 2.83 -6.92 | 41.31 2.33 -9.55 |
| ASTORIA_GT_11 24225 | 36.80 2.25 0.00 | 32.57 1.87 0.00 | 29.83 1.74 0.00 | 29.84 1.74 0.00 | 29.86 1.66 0.00 | 29.58 1.65 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.23 2.65 -2.72 | 38.14 2.54 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.89 2.70 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.72 4.67 -9.87 | 53.30 3.29 -13.91 | 43.50 2.83 -6.92 | 41.31 2.33 -9.55 |
| ASTORIA_GT_12 24226 | 36.80 2.25 0.00 | 32.57 1.87 0.00 | 29.83 1.74 0.00 | 29.84 1.74 0.00 | 29.86 1.66 0.00 | 29.58 1.65 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.23 2.65 -2.72 | 38.14 2.54 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.89 2.70 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.72 4.67 -9.87 | 53.30 3.29 -13.91 | 43.50 2.83 -6.92 | 41.31 2.33 -9.55 |
| ASTORIA_GT_13 24227 | 36.80 2.25 0.00 | 32.57 1.87 0.00 | 29.83 1.74 0.00 | 29.84 1.74 0.00 | 29.86 1.66 0.00 | 29.58 1.65 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.23 2.65 -2.72 | 38.14 2.54 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.89 2.70 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.72 4.67 -9.87 | 53.30 3.29 -13.91 | 43.50 2.83 -6.92 | 41.31 2.33 -9.55 |
| ASTORIA_GT_5 24106 | 36.76 2.21 0.00 | 32.54 1.84 0.00 | 29.80 1.71 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.49 1.56 0.00 | 29.74 1.52 0.00 | 33.62 1.93 0.00 | 35.43 2.22 0.00 | 35.14 2.41 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.12 2.54 -2.72 | 38.04 2.44 -2.57 | 40.85 2.81 -0.56 | 41.66 2.81 -3.31 | 38.75 2.57 -1.51 | 46.52 3.12 -1.81 | 46.49 2.78 -7.16 | 53.21 3.74 -1.51 | 63.67 4.62 -9.87 | 53.15 3.14 -13.91 | 43.30 2.63 -6.92 | 41.13 2.15 -9.54 |
| ASTORIA_GT_7 24107 | 36.76 2.21 0.00 | 32.54 1.84 0.00 | 29.80 1.71 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.49 1.56 0.00 | 29.74 1.52 0.00 | 33.62 1.93 0.00 | 35.43 2.22 0.00 | 35.14 2.41 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.12 2.54 -2.72 | 38.04 2.44 -2.57 | 40.85 2.81 -0.56 | 41.66 2.81 -3.31 | 38.75 2.57 -1.51 | 46.52 3.12 -1.81 | 46.49 2.78 -7.16 | 53.21 3.74 -1.51 | 63.67 4.62 -9.87 | 53.15 3.14 -13.91 | 43.30 2.63 -6.92 | 41.13 2.15 -9.54 |
| ASTORIA_GT_8 24108 | 36.76 2.21 0.00 | 32.54 1.84 0.00 | 29.80 1.71 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.49 1.56 0.00 | 29.74 1.52 0.00 | 33.62 1.93 0.00 | 35.43 2.22 0.00 | 35.14 2.41 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.12 2.54 -2.72 | 38.04 2.44 -2.57 | 40.85 2.81 -0.56 | 41.66 2.81 -3.31 | 38.75 2.57 -1.51 | 46.52 3.12 -1.81 | 46.49 2.78 -7.16 | 53.21 3.74 -1.51 | 63.67 4.62 -9.87 | 53.15 3.14 -13.91 | 43.30 2.63 -6.92 | 41.13 2.15 -9.54 |
| ASTORIA___2 24149 | 36.83 2.28 0.00 | 32.78 2.09 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.94 1.75 0.00 | 29.80 1.87 0.00 | 30.03 1.81 0.00 | 33.58 1.90 0.01 | 35.46 2.26 0.01 | 35.10 2.38 -0.53 | 38.48 2.48 0.01 | 38.18 2.60 0.01 | 40.03 2.48 -2.70 | 37.95 2.38 -2.55 | 40.77 2.73 -0.56 | 41.57 2.74 -3.29 | 38.71 2.53 -1.51 | 46.44 3.03 -1.81 | 46.49 2.74 -7.20 | 53.15 3.69 -1.50 | 63.61 4.52 -9.91 | 53.15 3.07 -13.98 | 43.26 2.60 -6.92 | 41.19 2.21 -9.54 |
| ASTORIA___3 23516 | 36.87 2.32 0.00 | 32.72 2.03 0.00 | 29.91 1.82 0.00 | 29.96 1.85 0.00 | 29.91 1.72 0.00 | 29.74 1.81 0.00 | 30.00 1.78 0.00 | 33.72 2.03 0.00 | 35.57 2.36 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.21 2.65 -2.70 | 38.12 2.54 -2.56 | 41.00 2.96 -0.56 | 41.79 2.95 -3.29 | 38.90 2.71 -1.52 | 46.66 3.25 -1.82 | 46.68 2.93 -7.21 | 53.40 3.93 -1.51 | 63.77 4.67 -9.91 | 53.38 3.29 -13.99 | 43.50 2.83 -6.92 | 41.43 2.44 -9.55 |
| ASTORIA___4 23517 | 36.80 2.25 0.00 | 32.57 1.87 0.00 | 29.83 1.74 0.00 | 29.84 1.74 0.00 | 29.86 1.66 0.00 | 29.58 1.65 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.23 2.65 -2.72 | 38.14 2.54 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.89 2.70 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.72 4.67 -9.87 | 53.30 3.29 -13.91 | 43.50 2.83 -6.92 | 41.31 2.33 -9.55 |
| ASTORIA___5 23518 | 36.87 2.32 0.00 | 32.72 2.03 0.00 | 29.91 1.82 0.00 | 29.96 1.85 0.00 | 29.91 1.72 0.00 | 29.74 1.81 0.00 | 30.00 1.78 0.00 | 33.72 2.03 0.00 | 35.57 2.36 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.21 2.65 -2.70 | 38.12 2.54 -2.56 | 41.00 2.96 -0.56 | 41.79 2.95 -3.29 | 38.90 2.71 -1.52 | 46.66 3.25 -1.82 | 46.68 2.93 -7.21 | 53.40 3.93 -1.51 | 63.77 4.67 -9.91 | 53.38 3.29 -13.99 | 43.50 2.83 -6.92 | 41.43 2.44 -9.55 |
| AST_ENERGY_2_CC3 323677 | -5.00 2.21 41.77 | 32.57 1.87 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.58 1.65 0.00 | 29.85 1.64 0.01 | 33.67 2.00 0.02 | 35.55 2.36 0.02 | 35.12 2.42 -0.52 | 38.65 2.66 0.02 | 38.36 2.78 0.02 | 40.23 2.68 -2.69 | 38.11 2.54 -2.55 | 40.98 2.96 -0.55 | 41.77 2.95 -3.28 | 38.88 2.71 -1.50 | 46.64 3.25 -1.80 | 46.70 2.96 -7.19 | 53.43 3.98 -1.49 | 63.87 4.77 -9.91 | 53.41 3.32 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| AST_ENERGY_2_CC4 323678 | -5.00 2.21 41.77 | 32.57 1.87 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.58 1.65 0.00 | 29.85 1.64 0.01 | 33.67 2.00 0.02 | 35.55 2.36 0.02 | 35.12 2.42 -0.52 | 38.65 2.66 0.02 | 38.36 2.78 0.02 | 40.23 2.68 -2.69 | 38.11 2.54 -2.55 | 40.98 2.96 -0.55 | 41.77 2.95 -3.28 | 38.88 2.71 -1.50 | 46.64 3.25 -1.80 | 46.70 2.96 -7.19 | 53.43 3.98 -1.49 | 63.87 4.77 -9.91 | 53.41 3.32 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |

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|---------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|
| ATHENS_STG_1 23668 | 36.00 1.45 0.00 | 32.02 1.32 0.00 | 29.27 1.18 0.00 | 29.31 1.21 0.00 | 29.32 1.13 0.00 | 29.05 1.12 0.00 | 29.32 1.10 0.00 | 32.99 1.30 0.00 | 34.70 1.50 0.00 | 34.17 1.51 -0.47 | 37.63 1.62 0.00 | 37.27 1.67 0.00 | 38.86 1.64 -2.36 | 36.84 1.58 -2.24 | 39.87 1.80 -0.59 | 40.23 1.81 -2.88 | 37.67 1.66 -1.33 | 45.18 2.00 -1.59 | 45.87 1.83 -7.49 | 51.75 2.44 -1.35 | 61.82 2.60 -10.03 | 52.48 1.84 -14.53 | 42.62 1.69 -7.19 | 40.85 1.44 -9.97 |
| ATHENS_STG_2 23670 | 36.00 1.45 0.00 | 32.02 1.32 0.00 | 29.27 1.18 0.00 | 29.31 1.21 0.00 | 29.32 1.13 0.00 | 29.05 1.12 0.00 | 29.32 1.10 0.00 | 32.99 1.30 0.00 | 34.70 1.50 0.00 | 34.17 1.51 -0.47 | 37.63 1.62 0.00 | 37.27 1.67 0.00 | 38.86 1.64 -2.36 | 36.84 1.58 -2.24 | 39.87 1.80 -0.59 | 40.23 1.81 -2.88 | 37.67 1.66 -1.33 | 45.18 2.00 -1.59 | 45.87 1.83 -7.49 | 51.75 2.44 -1.35 | 61.82 2.60 -10.03 | 52.48 1.84 -14.53 | 42.62 1.69 -7.19 | 40.85 1.44 -9.97 |
| ATHENS_STG_3 23677 | 36.00 1.45 0.00 | 32.02 1.32 0.00 | 29.27 1.18 0.00 | 29.31 1.21 0.00 | 29.32 1.13 0.00 | 29.05 1.12 0.00 | 29.32 1.10 0.00 | 32.99 1.30 0.00 | 34.70 1.50 0.00 | 34.17 1.51 -0.47 | 37.63 1.62 0.00 | 37.27 1.67 0.00 | 38.86 1.64 -2.36 | 36.84 1.58 -2.24 | 39.87 1.80 -0.59 | 40.23 1.81 -2.88 | 37.67 1.66 -1.33 | 45.18 2.00 -1.59 | 45.87 1.83 -7.49 | 51.75 2.44 -1.35 | 61.82 2.60 -10.03 | 52.48 1.84 -14.53 | 42.62 1.69 -7.19 | 40.85 1.44 -9.97 |
| AUBURN____LFGE 323710 | 34.55 0.00 0.01 | 30.63 -0.06 0.01 | 28.03 -0.06 0.01 | 28.01 -0.08 0.01 | 28.13 -0.06 0.01 | 27.93 0.00 0.00 | 28.28 0.06 0.00 | 31.59 -0.10 0.00 | 33.04 -0.17 0.01 | 30.72 -0.29 1.18 | 33.37 -0.29 2.34 | 32.72 -0.46 2.41 | 28.49 -0.42 5.95 | 27.05 -0.33 5.64 | 32.62 -0.34 4.52 | 27.94 -0.36 7.25 | 35.03 -0.24 -0.61 | 42.98 -0.25 -1.63 | 37.01 -0.04 -0.50 | 49.47 -0.05 -1.56 | 52.59 0.05 -3.36 | 37.07 0.04 -0.93 | 34.08 0.00 -0.34 | 30.47 0.03 -1.00 |
| BABYLON_RES_REC 323704 | 37.53 2.97 -0.01 | 33.34 2.64 0.00 | 30.42 2.33 0.00 | 30.50 2.39 -0.01 | 30.48 2.28 -0.01 | 30.28 2.35 0.00 | 30.63 2.40 -0.01 | 34.49 2.79 -0.01 | 36.34 3.12 -0.01 | 35.82 3.09 -0.55 | 43.23 3.38 -3.85 | 42.90 3.38 -3.92 | 47.78 3.24 -9.68 | 50.51 3.04 -14.45 | 48.65 3.56 -7.62 | 48.56 3.52 -9.50 | 45.95 3.36 -7.92 | 50.37 3.99 -4.78 | 50.32 3.62 -10.15 | 54.13 4.65 -1.52 | 64.32 5.21 -9.92 | 53.60 3.50 -13.99 | 44.12 3.44 -6.93 | 41.97 2.97 -9.56 |
| BALL_HILL_WT_PWR 323825 | 31.91 -2.63 0.02 | 28.25 -2.43 0.02 | 25.93 -2.14 0.02 | 25.86 -2.22 0.02 | 26.00 -2.17 0.02 | 25.81 -2.12 0.00 | 26.36 -1.86 0.00 | 29.40 -2.28 0.01 | 31.10 -2.09 0.02 | 27.02 -2.77 2.40 | 24.67 -2.84 8.49 | 23.75 -3.10 8.75 | 19.75 -3.00 12.11 | 18.77 -2.77 11.47 | 17.61 -3.26 16.60 | 17.88 -2.91 14.75 | 19.99 -2.81 11.87 | 20.21 -3.24 18.14 | 27.22 -3.18 6.15 | 35.33 -4.32 8.31 | 34.38 -4.43 10.38 | 32.95 -3.11 0.05 | 30.91 -2.80 0.03 | 27.67 -2.41 -0.65 |
| BARON_WINDS____WT_PWR 323822 | 32.80 -1.73 0.03 | 29.13 -1.53 0.03 | 26.63 -1.43 0.03 | 26.58 -1.49 0.03 | 26.67 -1.50 0.03 | 26.48 -1.45 0.00 | 26.92 -1.30 0.00 | 29.99 -1.68 0.01 | 31.72 -1.46 0.03 | 26.64 -1.90 3.65 | 20.83 -1.98 13.19 | 19.73 -2.28 13.58 | 14.21 -2.27 18.38 | 13.43 -2.18 17.41 | 9.16 -2.51 25.81 | 10.95 -2.20 22.39 | 20.81 -2.12 11.75 | 21.34 -2.45 17.80 | 0.00 -2.08 34.47 | 37.24 -2.44 8.28 | 36.76 -2.46 9.97 | 33.73 -1.80 0.58 | 31.63 -1.82 0.29 | 28.43 -1.62 -0.62 |
| BARRETT_IC_1 23704 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_10 23701 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_11 23702 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_12 23703 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_2 23705 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_3 23706 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_4 23707 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_5 23708 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BARRETT_IC_6 23709 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_7 23710 | 37.19 2.63 -0.01 | 32.97 2.27 0.00 | 30.17 2.08 0.00 | 30.19 2.08 -0.01 | 30.23 2.03 -0.01 | 29.97 2.04 0.00 | 30.37 2.14 -0.01 | 34.23 2.54 -0.01 | 36.01 2.79 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.03 -3.79 | 47.17 2.86 -9.45 | 49.75 2.67 -14.06 | 47.96 3.11 -7.38 | 47.98 3.13 -9.30 | 45.35 2.98 -7.70 | 49.72 3.45 -4.68 | 49.66 3.11 -10.00 | 53.55 4.08 -1.52 | 63.83 4.77 -9.87 | 53.23 3.21 -13.91 | 43.88 3.21 -6.93 | 41.67 2.68 -9.56 |
| BARRETT_IC_8 23711 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT_IC_9 23700 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT___1 23545 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BARRETT___2 23546 | 37.22 2.66 -0.01 | 33.12 2.42 0.00 | 30.22 2.13 0.00 | 30.28 2.16 -0.01 | 30.26 2.06 -0.01 | 30.08 2.15 0.00 | 30.40 2.17 -0.01 | 34.24 2.54 -0.01 | 36.10 2.89 -0.01 | 35.57 2.83 -0.55 | 42.67 2.95 -3.72 | 42.40 3.02 -3.79 | 47.16 2.86 -9.44 | 49.74 2.67 -14.05 | 47.96 3.11 -7.38 | 47.96 3.13 -9.29 | 45.36 2.98 -7.70 | 49.72 3.45 -4.68 | 49.70 3.11 -10.05 | 53.60 4.12 -1.52 | 63.88 4.77 -9.92 | 53.31 3.21 -13.99 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| BATAVIA___115KV_TB1 55881 | 32.43 -2.11 0.01 | 28.53 -2.15 0.01 | 26.16 -1.91 0.01 | 26.15 -1.94 0.01 | 26.37 -1.80 0.01 | 26.37 -1.56 0.00 | 26.86 -1.35 0.00 | 29.84 -1.84 0.01 | 31.04 -2.16 0.01 | 27.46 -2.80 1.93 | 26.95 -2.95 6.10 | 26.08 -3.17 6.34 | 22.05 -3.07 9.74 | 20.95 -2.84 9.23 | 22.20 -3.26 12.02 | 20.83 -2.84 11.87 | 24.16 -2.29 8.23 | 26.59 -2.62 12.38 | 30.56 -2.89 3.10 | 35.17 -3.93 8.85 | 34.10 -3.93 11.15 | 33.43 -2.96 -0.29 | 31.02 -2.73 -0.01 | 27.92 -2.18 -0.66 |
| BAYONEEC___CTG1 323682 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG10 323750 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG2 323683 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG3 323684 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG4 323685 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG5 323686 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG6 323687 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG7 323688 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BAYONEEC___CTG8 323689 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYONEEC___CTG9 323749 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.20 2.48 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.32 2.75 -2.70 | 38.22 2.64 -2.56 | 41.07 3.03 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| BAYPORT_69_KV_BK 2 356364 | 38.12 3.56 -0.01 | 33.70 3.01 0.00 | 30.81 2.72 0.00 | 30.92 2.81 -0.01 | 30.91 2.71 -0.01 | 30.64 2.71 0.00 | 31.05 2.82 -0.01 | 34.99 3.30 -0.01 | 36.84 3.62 -0.01 | 36.41 3.67 -0.55 | 43.65 4.07 -3.57 | 43.19 3.95 -3.64 | 47.85 3.80 -9.19 | 50.17 3.53 -13.62 | 48.75 4.16 -7.12 | 48.74 4.12 -9.07 | 46.05 3.92 -7.46 | 50.86 4.70 -4.57 | 50.68 4.24 -9.89 | 54.99 5.52 -1.52 | 64.96 5.90 -9.87 | 53.99 3.97 -13.91 | 44.56 3.88 -6.93 | 42.32 3.33 -9.56 |
| BEACON___LESR 323632 | 36.11 1.56 0.00 | 32.11 1.41 0.00 | 29.35 1.27 0.00 | 29.40 1.29 0.00 | 29.43 1.24 0.00 | 29.13 1.20 0.00 | 29.27 1.04 0.00 | 32.86 1.17 0.00 | 34.54 1.33 0.00 | 33.48 1.29 0.00 | 37.41 1.40 0.00 | 37.05 1.46 0.00 | 36.26 1.40 0.00 | 34.37 1.35 0.00 | 39.62 1.50 -0.64 | 37.04 1.49 0.00 | 35.99 1.32 0.00 | 43.30 1.71 0.00 | 45.94 1.50 -7.89 | 49.97 2.01 0.00 | 59.91 1.87 -8.86 | 52.78 1.37 -15.30 | 42.70 1.38 -7.57 | 41.44 1.21 -10.80 |
| BEAVER RIVER___HYD 24048 | 33.69 -0.86 0.00 | 29.87 -0.83 0.00 | 27.19 -0.90 0.00 | 27.12 -0.98 0.00 | 27.29 -0.90 0.00 | 26.93 -1.00 0.00 | 27.23 -0.99 0.00 | 30.39 -1.30 0.00 | 31.75 -1.46 0.00 | 30.68 -1.51 0.00 | 34.53 -1.48 0.00 | 33.89 -1.71 0.00 | 33.26 -1.60 0.00 | 31.40 -1.62 0.00 | 35.60 -1.91 -0.03 | 33.98 -1.56 0.00 | 33.25 -1.42 0.00 | 40.05 -1.54 0.00 | 36.06 -0.80 -0.31 | 47.04 -0.91 0.00 | 48.65 -0.88 -0.35 | 36.10 -0.61 -0.60 | 33.70 -0.34 -0.30 | 29.54 -0.32 -0.43 |
| BEEBEE_GT_13 23619 | 33.16 -1.38 0.01 | 29.12 -1.57 0.01 | 26.70 -1.38 0.01 | 26.69 -1.41 0.01 | 26.89 -1.30 0.01 | 26.90 -1.03 0.00 | 27.37 -0.85 0.00 | 30.51 -1.17 0.00 | 31.57 -1.63 0.01 | 28.42 -2.19 1.58 | 29.15 -2.30 4.55 | 28.45 -2.46 4.69 | 24.55 -2.37 7.94 | 23.32 -2.18 7.52 | 26.10 -2.51 8.87 | 23.60 -2.27 9.68 | 24.65 -1.73 8.29 | 27.05 -2.08 12.47 | 34.57 -2.23 -0.25 | 35.69 -3.07 9.20 | 34.40 -3.05 11.74 | 31.83 -2.09 -0.43 | 28.58 -1.99 -0.07 | -1.53 -0.67 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 37.15 2.59 -0.01 | 32.85 2.15 -0.01 | 30.12 2.02 -0.01 | 30.11 2.00 -0.01 | 30.12 1.92 -0.01 | 29.87 1.93 -0.01 | 30.11 1.89 0.00 | 33.97 2.28 0.00 | 35.70 2.49 0.00 | 35.40 2.67 -0.54 | 38.99 2.99 0.00 | 38.69 3.10 0.00 | 40.54 2.96 -2.72 | 38.43 2.84 -2.57 | 41.30 3.26 -0.56 | 42.13 3.27 -3.31 | 39.20 3.02 -1.51 | 47.11 3.70 -1.81 | 47.00 3.29 -7.16 | 53.88 4.41 -1.51 | 64.21 5.16 -9.87 | 53.70 3.68 -13.91 | 43.88 3.21 -6.93 | 41.64 2.65 -9.55 |
| BETHLEHEM___GRP 23843 | 35.38 0.83 0.00 | 31.68 0.98 0.00 | 29.04 0.95 0.00 | 29.06 0.96 0.00 | 29.07 0.87 0.00 | 28.77 0.84 0.00 | 28.84 0.62 0.00 | 32.42 0.73 0.00 | 34.00 0.80 0.00 | 33.02 0.84 0.00 | 36.90 0.90 0.00 | 36.55 0.96 0.00 | 35.80 0.94 0.00 | 33.91 0.89 0.00 | 39.09 0.97 -0.64 | 36.58 1.03 0.00 | 35.57 0.90 0.00 | 42.72 1.12 0.00 | 45.38 0.95 -7.88 | 49.30 1.34 0.00 | 59.10 1.08 -8.84 | 52.23 0.87 -15.26 | 42.26 0.94 -7.57 | 40.95 0.71 -10.80 |
| BETHLEHEM___GS1 323560 | 35.66 1.11 0.00 | 31.71 1.01 0.00 | 29.01 0.93 0.00 | 29.03 0.93 0.00 | 29.09 0.90 0.00 | 28.80 0.87 0.00 | 28.87 0.65 0.00 | 32.42 0.73 0.00 | 34.04 0.83 0.00 | 33.02 0.84 0.00 | 36.90 0.90 0.00 | 36.55 0.96 0.00 | 35.80 0.94 0.00 | 33.91 0.89 0.00 | 39.13 1.01 -0.64 | 36.58 1.03 0.00 | 35.57 0.90 0.00 | 42.72 1.12 0.00 | 45.36 0.91 -7.90 | 49.25 1.30 0.00 | 59.13 1.08 -8.86 | 52.27 0.87 -15.30 | 42.26 0.94 -7.57 | 41.04 0.80 -10.80 |
| BETHLEHEM___GS2 323561 | 35.66 1.11 0.00 | 31.71 1.01 0.00 | 29.01 0.93 0.00 | 29.03 0.93 0.00 | 29.09 0.90 0.00 | 28.80 0.87 0.00 | 28.87 0.65 0.00 | 32.42 0.73 0.00 | 34.04 0.83 0.00 | 33.02 0.84 0.00 | 36.90 0.90 0.00 | 36.55 0.96 0.00 | 35.80 0.94 0.00 | 33.91 0.89 0.00 | 39.13 1.01 -0.64 | 36.58 1.03 0.00 | 35.57 0.90 0.00 | 42.72 1.12 0.00 | 45.36 0.91 -7.90 | 49.25 1.30 0.00 | 59.13 1.08 -8.86 | 52.27 0.87 -15.30 | 42.26 0.94 -7.57 | 41.04 0.80 -10.80 |
| BETHLEHEM___GS3 323562 | 35.66 1.11 0.00 | 31.71 1.01 0.00 | 29.01 0.93 0.00 | 29.03 0.93 0.00 | 29.09 0.90 0.00 | 28.80 0.87 0.00 | 28.87 0.65 0.00 | 32.42 0.73 0.00 | 34.04 0.83 0.00 | 33.02 0.84 0.00 | 36.90 0.90 0.00 | 36.55 0.96 0.00 | 35.80 0.94 0.00 | 33.91 0.89 0.00 | 39.13 1.01 -0.64 | 36.58 1.03 0.00 | 35.57 0.90 0.00 | 42.72 1.12 0.00 | 45.36 0.91 -7.90 | 49.25 1.30 0.00 | 59.13 1.08 -8.86 | 52.27 0.87 -15.30 | 42.26 0.94 -7.57 | 41.04 0.80 -10.80 |
| BETHLEHEM___STEEL 23779 | 31.84 -2.70 0.02 | 28.19 -2.49 0.02 | 25.79 -2.28 0.02 | 25.78 -2.30 0.02 | 25.89 -2.28 0.02 | 25.75 -2.18 0.00 | 26.33 -1.89 0.00 | 29.27 -2.41 0.01 | 31.00 -2.19 0.02 | 26.82 -2.99 2.37 | 24.92 -3.10 7.98 | 24.00 -3.35 8.24 | 19.70 -3.21 11.96 | 18.72 -2.97 11.33 | 18.43 -3.41 15.64 | 17.88 -3.09 14.57 | 23.48 -2.91 8.28 | 25.81 -3.33 12.45 | 27.35 -3.29 5.91 | 34.82 -4.51 8.63 | 33.95 -4.52 10.71 | 33.00 -3.21 -0.11 | 30.77 -2.90 0.07 | 27.64 -2.44 -0.65 |
| BETHLHEM_115KV_TB1 79974 | 35.45 0.90 0.00 | 31.68 0.98 0.00 | 29.04 0.95 0.00 | 29.06 0.96 0.00 | 29.10 0.90 0.00 | 28.77 0.84 0.00 | 28.90 0.68 0.00 | 32.48 0.79 0.00 | 34.07 0.86 0.00 | 33.09 0.90 0.00 | 36.98 0.97 0.00 | 36.59 1.00 0.00 | 35.84 0.98 0.00 | 33.98 0.96 0.00 | 39.17 1.05 -0.64 | 36.61 1.07 0.00 | 35.64 0.97 0.00 | 42.76 1.16 0.00 | 45.44 1.02 -7.87 | 49.40 1.44 0.00 | 59.24 1.23 -8.83 | 52.29 0.94 -15.25 | 42.32 1.01 -7.57 | 41.00 0.77 -10.79 |
| BETHPAGE_CC_5 323564 | 37.46 2.90 -0.01 | 33.30 2.61 0.00 | 30.39 2.30 0.00 | 30.44 2.33 -0.01 | 30.43 2.23 -0.01 | 30.22 2.29 0.00 | 30.57 2.34 -0.01 | 34.46 2.76 -0.01 | 36.31 3.09 -0.01 | 35.79 3.06 -0.55 | 43.40 3.35 -4.05 | 43.14 3.42 -4.13 | 48.18 3.28 -10.05 | 51.17 3.07 -15.08 | 49.06 3.60 -7.99 | 48.93 3.55 -9.83 | 46.29 3.36 -8.26 | 50.53 3.99 -4.94 | 50.44 3.58 -10.30 | 54.13 4.65 -1.52 | 64.37 5.27 -9.92 | 53.63 3.54 -13.99 | 44.08 3.41 -6.93 | 41.94 2.94 -9.56 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 31.84 -2.70 0.02 | 28.28 -2.39 0.02 | 25.85 -2.22 0.02 | 25.84 -2.25 0.02 | 25.92 -2.26 0.02 | 25.72 -2.21 0.00 | 26.30 -1.92 0.00 | 29.24 -2.44 0.01 | 31.16 -2.03 0.02 | 26.98 -2.80 2.41 | 24.98 -2.88 8.14 | 24.06 -3.13 8.40 | 19.70 -3.03 12.13 | 18.75 -2.77 11.49 | 18.31 -3.22 15.94 | 17.89 -2.88 14.78 | 23.53 -2.84 8.30 | 25.90 -3.20 12.49 | 27.87 -3.11 5.57 | 35.11 -4.22 8.63 | 34.26 -4.23 10.70 | 33.21 -3.00 -0.10 | 30.97 -2.70 0.07 | 27.73 -2.36 -0.65 |

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| BINGHAMTON___COGEN 23790 | 34.92 0.35 -0.02 | 31.05 0.34 -0.02 | 28.42 0.31 -0.02 | 28.40 0.28 -0.02 | 28.47 0.25 -0.02 | 28.21 0.28 0.00 | 28.56 0.34 0.00 | 31.98 0.29 -0.01 | 33.59 0.37 -0.02 | 36.10 0.29 -3.63 | 44.73 0.36 -8.36 | 44.45 0.25 -8.61 | 53.40 0.28 -18.26 | 50.58 0.26 -17.29 | 54.39 0.30 -16.61 | 58.14 0.36 -22.24 | 46.03 0.31 -11.05 | 57.57 0.42 -15.56 | 40.94 0.48 -3.92 | 59.82 0.67 -11.19 | 68.04 0.74 -18.12 | 44.35 0.54 -7.70 | 38.05 0.51 -3.80 | 33.78 0.41 -3.93 |
| BIXINCNT_115KV_LOAD 355685 | 31.94 -2.59 0.02 | 28.47 -2.21 0.02 | 25.93 -2.13 0.02 | 25.92 -2.16 0.02 | 25.86 -2.31 0.02 | 25.53 -2.40 0.00 | 26.07 -2.14 0.00 | 29.02 -2.66 0.01 | 31.33 -1.86 0.02 | 27.16 -2.45 2.58 | 24.67 -2.45 8.88 | 23.62 -2.81 9.16 | 19.12 -2.75 12.99 | 18.17 -2.54 12.31 | 17.16 -2.92 17.39 | 17.16 -2.56 15.83 | 23.43 -2.88 8.37 | 25.79 -3.20 12.60 | 30.10 -2.70 3.75 | 35.80 -3.55 8.61 | 34.89 -3.69 10.60 | 33.40 -2.74 -0.04 | 31.04 -2.60 0.10 | 27.58 -2.50 -0.65 |
| BLACK RIVER___HYD 24047 | 34.17 -0.38 0.00 | 30.30 -0.40 0.00 | 27.64 -0.45 0.00 | 27.57 -0.53 0.00 | 27.77 -0.42 0.00 | 27.37 -0.56 0.00 | 27.68 -0.54 0.00 | 30.93 -0.76 0.00 | 32.21 -1.00 0.00 | 30.59 -1.16 0.44 | 34.92 -1.08 0.00 | 34.13 -1.46 0.00 | 31.33 -1.32 2.21 | 29.57 -1.36 2.09 | 35.90 -1.61 -0.04 | 31.61 -1.25 2.69 | 32.32 -1.11 1.24 | 38.90 -1.21 1.49 | 36.37 -0.59 -0.40 | 47.38 -0.57 0.00 | 49.14 -0.49 -0.45 | 36.56 -0.33 -0.78 | 34.10 -0.03 -0.39 | 29.96 -0.03 -0.55 |
| BLACKRVR_115KV_TB2 79977 | 34.21 -0.35 0.00 | 30.33 -0.37 0.00 | 27.64 -0.45 0.00 | 27.57 -0.53 0.00 | 27.80 -0.39 0.00 | 27.37 -0.56 0.00 | 27.71 -0.51 0.00 | 30.93 -0.76 0.00 | 32.24 -0.96 0.00 | 30.59 -1.16 0.44 | 34.92 -1.08 0.00 | 34.13 -1.46 0.00 | 31.32 -1.32 2.22 | 29.56 -1.35 2.10 | 35.90 -1.61 -0.04 | 31.60 -1.24 2.70 | 32.32 -1.11 1.24 | 38.91 -1.21 1.48 | 36.27 -0.58 -0.30 | 46.15 -0.58 1.23 | 47.54 -0.49 1.15 | 36.35 -0.32 -0.57 | 33.91 -0.03 -0.20 | 29.99 0.00 -0.55 |
| BLISS_WT_PWR 323608 | 32.15 -2.38 0.02 | 28.65 -2.03 0.02 | 25.99 -2.08 0.02 | 25.97 -2.11 0.02 | 25.89 -2.28 0.02 | 25.42 -2.51 0.00 | 25.91 -2.31 0.00 | 28.89 -2.79 0.01 | 31.33 -1.86 0.02 | 27.10 -2.54 2.55 | 24.36 -2.52 9.13 | 23.30 -2.88 9.41 | 19.13 -2.89 12.84 | 18.18 -2.67 12.16 | 16.54 -3.07 17.87 | 17.24 -2.67 15.64 | 19.84 -2.98 11.85 | 20.21 -3.29 18.10 | 29.96 -2.78 3.81 | 36.05 -3.60 8.31 | 35.07 -3.79 10.33 | 33.11 -2.89 0.10 | 30.89 -2.80 0.06 | 27.61 -2.47 -0.65 |
| BLUESTONE___WT_PWR 323821 | 36.12 1.56 -0.01 | 32.09 1.38 -0.01 | 29.36 1.27 -0.01 | 29.29 1.18 -0.01 | 29.41 1.21 -0.01 | 29.02 1.09 0.00 | 29.66 1.44 0.00 | 33.28 1.58 0.00 | 34.88 1.66 -0.01 | 35.21 1.32 -1.70 | 41.46 1.55 -3.91 | 40.75 1.14 -4.02 | 44.67 1.25 -8.55 | 42.28 1.16 -8.10 | 46.67 1.27 -7.92 | 47.45 1.49 -10.42 | 40.88 1.39 -4.82 | 50.05 1.75 -6.71 | 41.13 1.24 -3.33 | 55.98 1.72 -6.30 | 62.47 1.72 -11.56 | 43.74 1.12 -6.51 | 38.08 1.11 -3.23 | 34.24 0.97 -3.83 |
| BLUE_CIRC_CHEM_DRP 24182 | 35.80 1.24 0.00 | 31.92 1.23 0.00 | 29.27 1.18 0.00 | 29.28 1.18 0.00 | 29.32 1.13 0.00 | 28.99 1.06 0.00 | 29.18 0.96 0.00 | 32.77 1.08 0.00 | 34.34 1.13 0.00 | 33.71 1.13 -0.40 | 37.23 1.22 0.00 | 36.84 1.25 0.00 | 38.08 1.22 -2.00 | 36.07 1.16 -1.90 | 39.39 1.27 -0.64 | 39.30 1.32 -2.44 | 35.88 1.21 0.00 | 43.13 1.54 0.00 | 45.71 1.35 -7.81 | 49.83 1.87 0.00 | 59.71 1.77 -8.75 | 52.52 1.30 -15.12 | 42.53 1.28 -7.50 | 41.20 1.06 -10.70 |
| BOC_GAS_DRP 24189 | 35.52 0.97 0.00 | 31.65 0.95 0.00 | 28.99 0.90 0.00 | 29.00 0.90 0.00 | 29.07 0.87 0.00 | 28.74 0.81 0.00 | 28.98 0.76 0.00 | 32.58 0.89 0.00 | 34.17 0.96 0.00 | 33.19 1.00 0.00 | 37.08 1.08 0.00 | 36.73 1.14 0.00 | 35.98 1.12 0.00 | 34.08 1.06 0.00 | 39.31 1.20 -0.64 | 36.75 1.21 0.00 | 35.78 1.11 0.00 | 42.92 1.33 0.00 | 45.56 1.17 -7.84 | 49.59 1.63 0.00 | 59.50 1.52 -8.80 | 52.45 1.16 -15.19 | 42.39 1.11 -7.53 | 41.07 0.88 -10.74 |
| BOONVILLE_115KV_TB1 79983 | 34.69 0.14 0.00 | 30.76 0.06 0.00 | 28.06 -0.03 0.00 | 28.02 -0.08 0.00 | 28.16 -0.03 0.00 | 27.79 -0.14 0.00 | 28.14 -0.08 0.00 | 31.50 -0.19 0.00 | 32.98 -0.23 0.00 | 31.87 -0.32 0.00 | 35.82 -0.18 0.00 | 35.17 -0.43 0.00 | 34.55 -0.31 0.00 | 32.62 -0.40 0.00 | 36.98 -0.52 -0.03 | 35.26 -0.28 0.00 | 34.43 -0.24 0.00 | 41.43 -0.17 0.00 | 37.09 0.18 -0.35 | 48.29 0.34 0.00 | 50.02 0.44 -0.40 | 37.12 0.32 -0.69 | 34.50 0.47 -0.29 | 30.26 0.41 -0.41 |
| BORALEX_4TH_BRANCH 23824 | 36.56 2.00 0.00 | 32.51 1.81 0.00 | 29.75 1.66 0.00 | 29.76 1.66 0.00 | 29.80 1.61 0.00 | 29.52 1.59 0.00 | 29.80 1.58 0.00 | 33.53 1.84 0.00 | 35.17 1.96 0.00 | 34.09 1.90 0.00 | 38.09 2.09 0.00 | 37.73 2.14 0.00 | 36.99 2.13 0.00 | 35.03 2.01 0.00 | 40.41 2.29 -0.64 | 37.78 2.24 0.00 | 36.79 2.11 0.00 | 44.17 2.58 0.00 | 46.80 2.34 -7.91 | 51.07 3.12 0.00 | 60.77 2.71 -8.88 | 53.67 2.24 -15.33 | 43.51 2.16 -7.61 | 41.97 1.68 -10.86 |
| BOWLINE___1 23526 | 36.52 1.97 0.00 | 32.41 1.72 0.00 | 29.66 1.57 0.00 | 29.70 1.60 0.00 | 29.66 1.47 0.00 | 29.47 1.54 0.00 | 29.77 1.55 0.00 | 33.53 1.84 0.00 | 35.40 2.19 0.00 | 35.00 2.25 -0.56 | 38.45 2.45 0.00 | 38.12 2.53 0.00 | 40.15 2.48 -2.81 | 38.03 2.34 -2.66 | 40.77 2.73 -0.56 | 41.67 2.70 -3.42 | 38.74 2.50 -1.58 | 46.43 2.95 -1.89 | 46.21 2.60 -7.06 | 53.15 3.60 -1.59 | 63.02 3.98 -9.85 | 52.59 2.78 -13.71 | 42.99 2.46 -6.79 | 40.83 2.06 -9.33 |
| BOWLINE___2 23595 | 36.52 1.97 0.00 | 32.41 1.72 0.00 | 29.66 1.57 0.00 | 29.70 1.60 0.00 | 29.66 1.47 0.00 | 29.47 1.54 0.00 | 29.77 1.55 0.00 | 33.53 1.84 0.00 | 35.40 2.19 0.00 | 35.00 2.25 -0.56 | 38.45 2.45 0.00 | 38.16 2.56 0.00 | 40.15 2.48 -2.81 | 38.03 2.34 -2.66 | 40.77 2.73 -0.56 | 41.67 2.70 -3.42 | 38.74 2.50 -1.58 | 46.43 2.95 -1.89 | 46.21 2.60 -7.06 | 53.15 3.60 -1.59 | 63.02 3.98 -9.85 | 52.59 2.78 -13.71 | 42.99 2.46 -6.79 | 40.83 2.06 -9.33 |
| BRADY___115KV_TB2 356060 | 33.96 -0.59 0.00 | 30.21 -0.49 0.00 | 27.53 -0.56 0.00 | 27.60 -0.51 0.00 | 27.77 -0.42 0.00 | 27.51 -0.42 0.00 | 27.83 -0.40 0.00 | 31.15 -0.54 0.00 | 32.58 -0.63 0.00 | 31.54 -0.64 0.00 | 35.21 -0.79 0.00 | 34.85 -0.75 0.00 | 34.06 -0.80 0.00 | 32.26 -0.76 0.00 | 36.61 -0.86 0.00 | 34.80 -0.75 0.00 | 34.05 -0.62 0.00 | 40.89 -0.71 0.00 | 36.00 -0.55 0.00 | 47.29 -0.67 0.00 | 48.54 -0.64 0.00 | 35.57 -0.54 0.00 | 33.24 -0.51 0.00 | 28.97 -0.47 0.00 |
| BRANSCOMB___SOLAR 323811 | 36.45 1.90 0.00 | 32.41 1.72 0.00 | 29.60 1.52 0.00 | 29.68 1.57 0.00 | 29.71 1.52 0.00 | 29.41 1.48 0.00 | 29.72 1.49 0.00 | 33.24 1.55 0.00 | 34.83 1.63 0.00 | 33.67 1.48 0.00 | 37.70 1.69 0.00 | 37.30 1.71 0.00 | 36.53 1.67 0.00 | 34.60 1.58 0.00 | 39.97 1.84 -0.66 | 37.36 1.81 0.00 | 36.33 1.66 0.00 | 43.80 2.20 0.00 | 46.67 2.05 -8.07 | 50.59 2.64 0.00 | 60.85 2.60 -9.06 | 53.74 1.98 -15.65 | 43.31 1.82 -7.74 | 42.04 1.56 -11.05 |
| BRDGHMPT_69_KV_BK1 55812 | 38.43 3.87 -0.01 | 34.04 3.35 0.00 | 31.15 3.06 0.00 | 31.34 3.23 -0.01 | 31.33 3.13 -0.01 | 31.09 3.16 0.00 | 31.48 3.25 -0.01 | 35.44 3.74 -0.01 | 37.23 4.02 -0.01 | 36.70 3.96 -0.55 | 43.82 4.28 -3.53 | 43.36 4.16 -3.60 | 48.03 4.04 -9.12 | 50.34 3.83 -13.49 | 48.86 4.35 -7.04 | 48.78 4.23 -9.01 | 45.98 3.92 -7.39 | 50.58 4.45 -4.54 | 50.40 3.98 -9.86 | 54.60 5.13 -1.52 | 64.47 5.41 -9.87 | 53.59 3.57 -13.91 | 44.05 3.37 -6.93 | 41.85 2.86 -9.56 |

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| BRENTWOD_69_KV_W. BRTWOOD 56703 | 37.74 3.18 -0.01 | 33.43 2.73 0.00 | 30.53 2.44 0.00 | 30.61 2.50 -0.01 | 30.63 2.42 -0.01 | 30.39 2.46 0.00 | 30.77 2.54 -0.01 | 34.68 2.98 -0.01 | 36.50 3.29 -0.01 | 36.05 3.32 -0.55 | 43.26 3.67 -3.59 | 42.88 3.63 -3.65 | 47.56 3.49 -9.21 | 49.91 3.24 -13.65 | 48.43 3.82 -7.14 | 48.40 3.77 -9.09 | 45.76 3.61 -7.48 | 50.41 4.24 -4.58 | 50.29 3.84 -9.90 | 54.32 4.84 -1.52 | 64.42 5.36 -9.87 | 53.59 3.57 -13.91 | 44.29 3.61 -6.93 | 42.08 3.09 -9.56 |
| BRISTLHL_115KV_TB1 79998 | 33.96 -0.59 0.00 | 30.14 -0.55 0.00 | 27.58 -0.51 0.00 | 27.57 -0.53 0.00 | 27.69 -0.51 0.00 | 27.43 -0.50 0.00 | 27.71 -0.51 0.00 | 30.96 -0.73 0.00 | 32.38 -0.83 0.00 | 30.67 -0.87 0.65 | 35.10 -0.90 0.00 | 34.60 -1.00 0.00 | 30.59 -0.98 3.29 | 29.01 -0.89 3.12 | 36.52 -1.01 -0.06 | 30.47 -1.07 4.01 | 31.87 -0.97 1.83 | 38.19 -1.21 2.19 | 36.14 -0.84 -0.43 | 45.03 -1.10 1.83 | 46.43 -1.03 1.72 | 36.16 -0.76 -0.81 | 33.31 -0.71 -0.27 | 29.70 -0.53 -0.79 |
| BROOKHAVEN___DRP 24191 | 37.88 3.32 -0.01 | 33.49 2.79 0.00 | 30.62 2.53 0.00 | 30.72 2.61 -0.01 | 30.71 2.51 -0.01 | 30.47 2.54 0.00 | 30.88 2.65 -0.01 | 34.77 3.07 -0.01 | 36.60 3.39 -0.01 | 36.15 3.41 -0.55 | 43.24 3.71 -3.53 | 42.82 3.63 -3.60 | 47.47 3.49 -9.12 | 49.75 3.24 -13.49 | 48.34 3.82 -7.04 | 48.32 3.77 -9.01 | 45.63 3.57 -7.39 | 50.37 4.24 -4.53 | 50.25 3.84 -9.86 | 54.41 4.94 -1.52 | 64.37 5.31 -9.87 | 53.55 3.54 -13.91 | 44.18 3.51 -6.93 | 42.03 3.03 -9.56 |
| BROOKLYN_NAVY_YARD 23515 | 36.65 2.11 0.01 | 32.54 1.84 0.00 | 29.74 1.66 0.00 | 29.76 1.66 0.00 | 29.74 1.55 0.00 | 29.58 1.65 0.00 | 29.89 1.66 0.00 | 33.69 2.00 0.00 | 35.57 2.36 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.21 2.65 -2.70 | 38.12 2.54 -2.56 | 40.97 2.92 -0.56 | 41.79 2.95 -3.29 | 38.90 2.71 -1.52 | 46.66 3.25 -1.82 | 46.72 2.96 -7.21 | 53.44 3.98 -1.51 | 63.77 4.67 -9.91 | 53.41 3.32 -13.99 | 43.50 2.83 -6.92 | 41.40 2.41 -9.55 |
| BROOKLYN___ARMY_DRP 323595 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| BROOME_2_LFGE 323671 | 34.92 0.35 -0.02 | 31.05 0.34 -0.02 | 28.42 0.31 -0.02 | 28.40 0.28 -0.02 | 28.49 0.28 -0.02 | 28.21 0.28 0.00 | 28.53 0.31 0.00 | 31.98 0.28 -0.01 | 33.59 0.37 -0.02 | 36.09 0.29 -3.61 | 44.69 0.36 -8.33 | 44.41 0.25 -8.57 | 53.32 0.28 -18.18 | 50.50 0.26 -17.22 | 54.32 0.30 -16.54 | 58.04 0.36 -22.14 | 45.21 0.31 -10.23 | 56.26 0.42 -14.25 | 40.94 0.47 -3.92 | 59.97 0.67 -11.34 | 68.22 0.74 -18.30 | 44.36 0.54 -7.71 | 38.04 0.47 -3.82 | 33.78 0.41 -3.93 |
| BROOME___LFGE 323600 | 34.92 0.35 -0.02 | 31.05 0.34 -0.02 | 28.42 0.31 -0.02 | 28.40 0.28 -0.02 | 28.49 0.28 -0.02 | 28.21 0.28 0.00 | 28.53 0.31 0.00 | 31.98 0.28 -0.01 | 33.59 0.37 -0.02 | 36.09 0.29 -3.61 | 44.69 0.36 -8.33 | 44.41 0.25 -8.57 | 53.32 0.28 -18.18 | 50.50 0.26 -17.22 | 54.32 0.30 -16.54 | 58.04 0.36 -22.14 | 45.21 0.31 -10.23 | 56.26 0.42 -14.25 | 40.94 0.47 -3.92 | 59.97 0.67 -11.34 | 68.22 0.74 -18.30 | 44.36 0.54 -7.71 | 38.04 0.47 -3.82 | 33.78 0.41 -3.93 |
| BROWNFLS_115KV_TB 3_5 80003 | 33.14 -1.42 0.00 | 29.41 -1.29 0.00 | 26.77 -1.32 0.00 | 26.75 -1.35 0.00 | 26.92 -1.27 0.00 | 26.62 -1.31 0.00 | 26.92 -1.30 0.00 | 30.07 -1.62 0.00 | 31.45 -1.76 0.00 | 30.48 -1.71 0.00 | 34.17 -1.84 0.00 | 33.67 -1.92 0.00 | 32.98 -1.88 0.00 | 31.17 -1.85 0.00 | 35.36 -2.14 -0.02 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.64 -1.95 0.00 | 35.43 -1.39 -0.26 | 46.28 -1.68 0.00 | 47.81 -1.67 -0.30 | 35.36 -1.26 -0.51 | 32.91 -1.05 -0.21 | 28.80 -0.94 -0.30 |
| BROWNSV1_27_KV_LOAD 356125 | 36.97 2.42 0.00 | 32.63 1.93 0.00 | 29.91 1.83 0.00 | 29.90 1.80 0.00 | 29.91 1.72 0.00 | 29.69 1.76 0.00 | 30.03 1.81 0.00 | 33.94 2.25 0.00 | 35.77 2.56 0.00 | 35.43 2.70 -0.54 | 38.99 2.99 0.00 | 38.69 3.10 0.00 | 40.58 3.00 -2.72 | 38.47 2.87 -2.57 | 41.34 3.30 -0.56 | 42.16 3.31 -3.31 | 39.20 3.02 -1.51 | 47.07 3.66 -1.81 | 47.00 3.29 -7.16 | 53.88 4.41 -1.51 | 64.21 5.16 -9.86 | 53.62 3.61 -13.91 | 43.80 3.14 -6.92 | 41.57 2.59 -9.55 |
| BURROWS___LYONSDAL 23803 | 34.41 -0.14 0.00 | 30.51 -0.18 0.00 | 27.81 -0.28 0.00 | 27.74 -0.37 0.00 | 27.91 -0.28 0.00 | 27.51 -0.42 0.00 | 27.85 -0.37 0.00 | 31.18 -0.51 0.00 | 32.61 -0.60 0.00 | 31.51 -0.68 0.00 | 35.46 -0.54 0.00 | 34.81 -0.78 0.00 | 34.20 -0.66 0.00 | 32.29 -0.73 0.00 | 36.61 -0.90 -0.03 | 34.91 -0.64 0.00 | 34.12 -0.55 0.00 | 41.05 -0.54 0.00 | 36.87 -0.04 -0.36 | 48.01 0.05 0.00 | 49.73 0.15 -0.40 | 36.91 0.11 -0.69 | 34.34 0.30 -0.29 | 30.09 0.24 -0.42 |
| CAITHNESS_CC_1 323624 | 37.81 3.25 -0.01 | 33.55 2.86 0.00 | 30.62 2.53 0.00 | 30.73 2.61 -0.01 | 30.68 2.48 -0.01 | 30.47 2.54 0.00 | 30.82 2.59 -0.01 | 34.71 3.01 -0.01 | 36.57 3.35 -0.01 | 36.08 3.35 -0.55 | 43.17 3.63 -3.53 | 42.75 3.56 -3.60 | 47.34 3.38 -9.10 | 49.66 3.17 -13.47 | 48.22 3.71 -7.04 | 48.23 3.70 -8.99 | 45.57 3.50 -7.40 | 50.29 4.16 -4.54 | 50.22 3.77 -9.91 | 54.27 4.80 -1.52 | 64.32 5.21 -9.92 | 53.53 3.43 -13.99 | 44.12 3.44 -6.93 | 42.11 3.12 -9.56 |
| CALPINE BETH_PAGE_GT4 24209 | 37.43 2.87 -0.01 | 33.18 2.49 0.00 | 30.33 2.25 0.00 | 30.36 2.25 -0.01 | 30.40 2.20 -0.01 | 30.14 2.21 0.00 | 30.55 2.31 -0.01 | 34.43 2.73 -0.01 | 36.24 3.02 -0.01 | 35.80 3.06 -0.55 | 43.64 3.35 -4.29 | 43.38 3.42 -4.37 | 48.62 3.28 -10.49 | 51.92 3.07 -15.82 | 49.50 3.60 -8.42 | 49.32 3.55 -10.22 | 46.68 3.36 -8.65 | 50.70 3.99 -5.12 | 50.57 3.58 -10.44 | 54.13 4.65 -1.52 | 64.32 5.26 -9.88 | 53.59 3.57 -13.91 | 44.12 3.44 -6.94 | 41.88 2.88 -9.56 |
| CALPINE_BETH_PAGE_GT_4 323586 | 37.47 2.90 -0.01 | 33.30 2.61 0.00 | 30.39 2.30 0.00 | 30.44 2.33 -0.01 | 30.43 2.23 -0.01 | 30.25 2.32 0.00 | 30.57 2.34 -0.01 | 34.46 2.76 -0.01 | 36.31 3.09 -0.01 | 35.79 3.06 -0.55 | 43.64 3.35 -4.29 | 43.38 3.42 -4.37 | 48.61 3.28 -10.47 | 51.90 3.07 -15.81 | 49.50 3.60 -8.42 | 49.31 3.55 -10.21 | 46.69 3.36 -8.65 | 50.71 3.99 -5.12 | 50.62 3.58 -10.48 | 54.13 4.65 -1.52 | 64.37 5.27 -9.92 | 53.67 3.58 -13.99 | 44.12 3.44 -6.94 | 41.94 2.94 -9.56 |
| CALPINE_BP_GT1 23823 | 37.47 2.90 -0.01 | 33.30 2.61 0.00 | 30.39 2.30 0.00 | 30.44 2.33 -0.01 | 30.43 2.23 -0.01 | 30.25 2.32 0.00 | 30.57 2.34 -0.01 | 34.46 2.76 -0.01 | 36.31 3.09 -0.01 | 35.79 3.06 -0.55 | 43.64 3.35 -4.29 | 43.38 3.42 -4.37 | 48.61 3.28 -10.47 | 51.90 3.07 -15.81 | 49.50 3.60 -8.42 | 49.31 3.55 -10.21 | 46.69 3.36 -8.65 | 50.71 3.99 -5.12 | 50.62 3.58 -10.48 | 54.13 4.65 -1.52 | 64.37 5.27 -9.92 | 53.67 3.58 -13.99 | 44.12 3.44 -6.94 | 41.94 2.94 -9.56 |
| CALSPAN___DRP 24200 | 31.84 -2.70 0.02 | 28.19 -2.49 0.02 | 25.79 -2.28 0.02 | 25.78 -2.30 0.02 | 25.89 -2.28 0.02 | 25.75 -2.18 0.00 | 26.33 -1.89 0.00 | 29.27 -2.41 0.01 | 31.00 -2.19 0.02 | 26.82 -2.99 2.37 | 24.92 -3.10 7.98 | 24.00 -3.35 8.24 | 19.70 -3.21 11.96 | 18.72 -2.97 11.33 | 18.43 -3.41 15.64 | 17.88 -3.09 14.57 | 23.48 -2.91 8.28 | 25.81 -3.33 12.45 | 27.35 -3.29 5.91 | 34.82 -4.51 8.63 | 33.95 -4.52 10.71 | 33.00 -3.21 -0.11 | 30.77 -2.90 0.07 | 27.64 -2.44 -0.65 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| CALVERTON___SOLAR 323806 | 38.02 3.45 -0.01 | 33.71 3.01 0.00 | 30.76 2.67 0.00 | 30.89 2.78 -0.01 | 30.85 2.65 -0.01 | 30.64 2.71 0.00 | 31.00 2.77 -0.01 | 34.87 3.17 -0.01 | 36.77 3.55 -0.01 | 36.21 3.48 -0.55 | 43.35 3.81 -3.53 | 42.89 3.70 -3.60 | 47.52 3.56 -9.11 | 49.83 3.33 -13.48 | 48.41 3.90 -7.04 | 48.41 3.87 -8.99 | 45.74 3.67 -7.40 | 50.50 4.37 -4.54 | 50.41 3.95 -9.91 | 54.56 5.08 -1.52 | 64.57 5.46 -9.92 | 53.70 3.61 -13.99 | 44.25 3.57 -6.93 | 42.20 3.21 -9.56 |
| CANDIGU_WT_PWR 323617 | 32.80 -1.73 0.03 | 29.13 -1.53 0.03 | 26.63 -1.43 0.03 | 26.58 -1.49 0.03 | 26.67 -1.50 0.03 | 26.48 -1.45 0.00 | 26.92 -1.30 0.00 | 29.99 -1.68 0.01 | 31.72 -1.46 0.03 | 26.64 -1.90 3.65 | 20.83 -1.98 13.19 | 19.73 -2.28 13.58 | 14.21 -2.27 18.38 | 13.43 -2.18 17.41 | 9.16 -2.51 25.81 | 10.95 -2.20 22.39 | 20.81 -2.12 11.75 | 21.34 -2.45 17.80 | 0.00 -2.08 34.47 | 37.24 -2.44 8.28 | 36.76 -2.46 9.97 | 33.73 -1.80 0.58 | 31.63 -1.82 0.29 | 28.43 -1.62 -0.62 |
| CARR STREET_E_SYR 24060 | 34.27 -0.28 0.00 | 30.42 -0.28 0.00 | 27.86 -0.23 0.00 | 27.85 -0.25 0.00 | 27.97 -0.23 0.00 | 27.74 -0.19 0.00 | 28.02 -0.20 0.00 | 31.31 -0.38 0.00 | 32.67 -0.53 0.00 | 30.98 -0.52 0.69 | 34.50 -0.54 0.97 | 33.96 -0.64 1.00 | 30.77 -0.59 3.50 | 29.18 -0.53 3.31 | 35.04 -0.60 1.84 | 30.65 -0.64 4.26 | 32.15 -0.56 1.97 | 38.30 -0.71 2.59 | 36.57 -0.40 -0.42 | 45.87 -0.53 1.56 | 47.28 -0.49 1.42 | 36.58 -0.33 -0.80 | 33.83 -0.30 -0.39 | 30.10 -0.24 -0.90 |
| CARTHAGE___PAPER 23857 | 33.86 -0.69 0.00 | 29.99 -0.70 0.00 | 27.33 -0.76 0.00 | 27.26 -0.84 0.00 | 27.46 -0.73 0.00 | 27.06 -0.87 0.00 | 27.40 -0.82 0.00 | 30.58 -1.11 0.00 | 31.88 -1.33 0.00 | 30.80 -1.38 0.00 | 34.60 -1.40 0.00 | 33.96 -1.64 0.00 | 33.29 -1.57 0.00 | 31.47 -1.55 0.00 | 35.68 -1.84 -0.04 | 34.05 -1.49 0.00 | 33.35 -1.32 0.00 | 40.18 -1.41 0.00 | 36.15 -0.77 -0.37 | 47.14 -0.82 0.00 | 48.86 -0.74 -0.41 | 36.28 -0.54 -0.71 | 33.86 -0.23 -0.35 | 29.70 -0.24 -0.50 |
| CASSADAGA_WT_PWR 323784 | 32.15 -2.38 0.02 | 28.50 -2.18 0.02 | 26.10 -1.97 0.02 | 25.92 -2.16 0.02 | 26.14 -2.03 0.02 | 25.83 -2.10 0.00 | 26.44 -1.78 0.00 | 29.49 -2.19 0.01 | 31.66 -1.53 0.02 | 27.26 -2.41 2.52 | 24.62 -2.41 8.97 | 23.60 -2.74 9.25 | 19.56 -2.62 12.69 | 18.52 -2.48 12.02 | 16.88 -3.03 17.56 | 17.21 -2.88 15.45 | 19.78 -3.05 11.84 | 19.86 -3.66 18.08 | 28.82 -3.40 4.33 | 35.11 -4.56 8.29 | 34.05 -4.82 10.31 | 32.84 -3.18 0.09 | 31.06 -2.63 0.05 | 27.85 -2.24 -0.65 |
| CE_DUNWOOD___DRP 24194 | 36.66 2.11 0.00 | 32.42 1.72 0.00 | 29.69 1.60 0.00 | 29.70 1.60 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.65 1.96 0.00 | 35.47 2.26 0.00 | 35.11 2.38 -0.54 | 38.63 2.63 0.00 | 38.37 2.78 0.00 | 40.27 2.68 -2.72 | 38.14 2.54 -2.58 | 41.00 2.96 -0.56 | 41.78 2.91 -3.32 | 38.89 2.70 -1.52 | 46.65 3.24 -1.82 | 46.63 2.92 -7.16 | 53.40 3.93 -1.51 | 63.52 4.48 -9.86 | 53.11 3.11 -13.90 | 43.36 2.70 -6.92 | 41.19 2.21 -9.54 |
| CE_MILLWOOD___DRP 24193 | 36.59 2.04 0.00 | 32.38 1.69 0.00 | 29.66 1.57 0.00 | 29.68 1.57 0.00 | 29.69 1.49 0.00 | 29.44 1.51 0.00 | 29.80 1.58 0.00 | 33.62 1.93 0.00 | 35.40 2.19 0.00 | 35.05 2.32 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.18 2.58 -2.74 | 38.09 2.48 -2.59 | 40.92 2.89 -0.56 | 41.72 2.84 -3.33 | 38.83 2.63 -1.52 | 46.54 3.12 -1.82 | 46.51 2.81 -7.14 | 53.31 3.84 -1.52 | 63.32 4.28 -9.86 | 52.94 2.96 -13.87 | 43.29 2.63 -6.92 | 41.09 2.12 -9.53 |
| CE_NYC2_DRP 24202 | 36.83 2.28 0.00 | 32.57 1.87 0.00 | 29.86 1.77 0.00 | 29.84 1.74 0.00 | 29.86 1.66 0.00 | 29.61 1.68 0.00 | 29.89 1.67 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.21 2.48 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.77 4.72 -9.87 | 53.33 3.32 -13.91 | 43.53 2.87 -6.92 | 41.34 2.36 -9.55 |
| CE_NYC_DRP 24195 | 29.62 2.25 7.18 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.78 2.09 0.00 | 35.60 2.39 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.37 2.79 -2.72 | 38.27 2.67 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.82 3.41 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.92 4.87 -9.86 | 53.41 3.39 -13.91 | 43.60 2.94 -6.92 | 41.40 2.41 -9.55 |
| CHAFFEE___LFGE 323603 | 31.80 -2.73 0.02 | 28.22 -2.46 0.02 | 25.85 -2.22 0.02 | 25.81 -2.28 0.02 | 25.92 -2.26 0.02 | 25.67 -2.26 0.00 | 26.24 -1.98 0.00 | 29.27 -2.41 0.01 | 31.06 -2.13 0.02 | 26.87 -2.86 2.45 | 24.37 -2.95 8.68 | 23.43 -3.20 8.96 | 19.42 -3.10 12.34 | 18.45 -2.87 11.69 | 17.14 -3.34 17.00 | 17.52 -2.99 15.04 | 19.94 -2.88 11.86 | 20.23 -3.24 18.12 | 28.49 -3.18 4.88 | 35.38 -4.27 8.30 | 34.50 -4.33 10.36 | 32.97 -3.07 0.07 | 30.94 -2.77 0.04 | 27.67 -2.41 -0.65 |
| CHATEAUG_35_KV_LOAD 355732 | 33.90 -0.66 0.00 | 30.11 -0.58 0.00 | 27.53 -0.56 0.00 | 27.60 -0.51 0.00 | 27.74 -0.45 0.00 | 27.54 -0.39 0.00 | 27.85 -0.37 0.00 | 31.25 -0.44 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.57 -0.43 0.00 | 35.17 -0.43 0.00 | 34.41 -0.45 0.00 | 32.56 -0.46 0.00 | 36.91 -0.56 0.00 | 35.01 -0.53 0.00 | 34.22 -0.45 0.00 | 41.09 -0.50 0.00 | 36.11 -0.44 0.00 | 47.38 -0.58 0.00 | 48.54 -0.64 0.00 | 35.49 -0.61 0.00 | 33.10 -0.64 0.00 | 28.82 -0.62 0.00 |
| CHATEAUG_WT_PWR 323614 | 33.86 -0.69 0.00 | 30.11 -0.58 0.00 | 27.53 -0.56 0.00 | 27.57 -0.53 0.00 | 27.74 -0.45 0.00 | 27.51 -0.42 0.00 | 27.85 -0.37 0.00 | 31.28 -0.41 0.00 | 32.84 -0.36 0.00 | 31.87 -0.32 0.00 | 35.64 -0.36 0.00 | 35.27 -0.32 0.00 | 34.48 -0.38 0.00 | 32.66 -0.36 0.00 | 37.03 -0.45 0.00 | 35.12 -0.42 0.00 | 34.26 -0.41 0.00 | 41.10 -0.50 0.00 | 36.11 -0.44 0.00 | 47.33 -0.62 0.00 | 48.45 -0.74 0.00 | 35.46 -0.65 0.00 | 33.07 -0.67 0.00 | 28.76 -0.68 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 33.90 -0.66 0.00 | 30.11 -0.58 0.00 | 27.53 -0.56 0.00 | 27.60 -0.51 0.00 | 27.74 -0.45 0.00 | 27.54 -0.39 0.00 | 27.85 -0.37 0.00 | 31.25 -0.44 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.57 -0.43 0.00 | 35.17 -0.43 0.00 | 34.41 -0.45 0.00 | 32.56 -0.46 0.00 | 36.91 -0.56 0.00 | 35.01 -0.53 0.00 | 34.22 -0.45 0.00 | 41.09 -0.50 0.00 | 36.11 -0.44 0.00 | 47.38 -0.58 0.00 | 48.54 -0.64 0.00 | 35.49 -0.61 0.00 | 33.10 -0.64 0.00 | 28.82 -0.62 0.00 |
| CHAUTAUQUA___LFGE 323629 | 32.08 -2.45 0.02 | 28.41 -2.27 0.02 | 26.08 -1.99 0.02 | 25.98 -2.11 0.02 | 26.14 -2.03 0.02 | 25.92 -2.01 0.00 | 26.50 -1.72 0.00 | 29.56 -2.12 0.01 | 31.39 -1.79 0.02 | 27.13 -2.61 2.45 | 24.65 -2.66 8.69 | 23.72 -2.92 8.96 | 19.70 -2.82 12.34 | 18.68 -2.64 11.69 | 17.36 -3.11 17.00 | 17.67 -2.84 15.03 | 20.03 -2.77 11.86 | 20.23 -3.24 18.12 | 28.03 -3.18 5.34 | 35.38 -4.27 8.31 | 34.40 -4.43 10.36 | 33.01 -3.03 0.07 | 31.04 -2.67 0.04 | 27.79 -2.30 -0.65 |
| CHERRYST_13_KV_LD 356241 | 29.68 2.31 7.18 | 32.57 1.87 0.00 | 29.83 1.74 0.00 | 29.84 1.74 0.00 | 29.83 1.64 0.00 | 29.63 1.70 0.00 | 29.97 1.75 0.00 | 33.85 2.15 0.00 | 35.67 2.46 0.00 | 35.37 2.64 -0.54 | 38.92 2.92 0.00 | 38.62 3.03 0.00 | 40.51 2.93 -2.72 | 38.37 2.77 -2.57 | 41.26 3.22 -0.56 | 42.05 3.20 -3.31 | 39.10 2.91 -1.51 | 46.94 3.54 -1.81 | 46.89 3.18 -7.16 | 53.73 4.27 -1.51 | 64.07 5.02 -9.86 | 53.52 3.50 -13.91 | 43.67 3.00 -6.92 | 41.49 2.50 -9.55 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| CHESTROR_138KV_BK263 355645 | 36.32 1.76 0.00 | 32.17 1.47 0.00 | 29.47 1.38 0.00 | 29.48 1.38 0.00 | 29.49 1.30 0.00 | 29.24 1.31 0.00 | 29.58 1.35 0.00 | 33.34 1.65 0.00 | 35.07 1.86 0.00 | 34.74 1.96 -0.59 | 39.10 2.12 -0.97 | 38.80 2.21 -1.00 | 39.97 2.13 -2.98 | 37.86 2.01 -2.83 | 42.29 2.36 -2.45 | 41.52 2.35 -3.63 | 38.52 2.18 -1.66 | 46.40 2.58 -2.22 | 45.75 2.30 -6.90 | 52.78 3.17 -1.65 | 62.50 3.54 -9.77 | 52.00 2.46 -13.44 | 42.62 2.23 -6.65 | 40.44 1.80 -9.20 |
| CH_MIDHUDSON___DRP 24192 | 36.59 2.04 0.00 | 32.42 1.72 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.74 1.55 0.00 | 29.47 1.54 0.00 | 29.80 1.58 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 34.99 2.29 -0.51 | 38.42 2.41 0.00 | 38.05 2.46 0.00 | 39.78 2.34 -2.59 | 37.71 2.25 -2.45 | 40.68 2.62 -0.58 | 41.29 2.59 -3.15 | 38.47 2.36 -1.44 | 46.10 2.79 -1.72 | 46.45 2.60 -7.30 | 52.94 3.55 -1.43 | 62.93 3.89 -9.86 | 52.87 2.71 -14.06 | 43.18 2.46 -6.97 | 41.07 2.00 -9.63 |
| CH_MISC_IPPS 23765 | 36.87 2.32 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.97 1.78 0.00 | 29.74 1.81 0.00 | 30.03 1.81 0.00 | 33.85 2.16 0.00 | 35.70 2.49 0.00 | 35.25 2.54 -0.52 | 38.60 2.59 0.00 | 38.16 2.56 0.00 | 39.94 2.48 -2.61 | 37.87 2.38 -2.47 | 40.78 2.73 -0.57 | 41.46 2.74 -3.18 | 38.62 2.43 -1.52 | 46.32 2.91 -1.82 | 46.45 2.70 -7.19 | 53.22 3.74 -1.52 | 63.22 4.13 -9.91 | 52.92 2.85 -13.96 | 43.25 2.60 -6.91 | 41.17 2.21 -9.53 |
| CH_RES_BVR_FALLS 23983 | 34.27 -0.28 0.00 | 30.45 -0.25 0.00 | 27.83 -0.25 0.00 | 27.85 -0.25 0.00 | 27.97 -0.23 0.00 | 27.71 -0.22 0.00 | 27.99 -0.23 0.00 | 31.47 -0.22 0.00 | 32.98 -0.23 0.00 | 32.00 -0.19 0.00 | 35.79 -0.21 0.00 | 35.38 -0.21 0.00 | 34.65 -0.21 0.00 | 32.82 -0.20 0.00 | 37.21 -0.26 0.00 | 35.30 -0.25 0.00 | 34.46 -0.21 0.00 | 41.34 -0.25 0.00 | 36.30 -0.25 0.00 | 47.62 -0.33 0.00 | 48.79 -0.40 0.00 | 35.78 -0.33 0.00 | 33.44 -0.30 0.00 | 29.14 -0.29 0.00 |
| CH_RES_NIAGARA 23895 | 30.94 -3.59 0.02 | 27.18 -3.50 0.02 | 24.93 -3.15 0.02 | 24.88 -3.20 0.02 | 25.10 -3.07 0.02 | 25.17 -2.77 0.00 | 25.72 -2.48 0.02 | 28.62 -3.04 0.03 | 29.67 -3.52 0.02 | 26.13 -3.93 2.13 | 24.90 -4.14 6.96 | 24.13 -4.31 7.16 | 19.93 -4.18 10.74 | 18.98 -3.86 10.18 | 19.48 -4.42 13.58 | 18.45 -4.02 13.08 | 22.57 -3.88 8.21 | 24.60 -4.70 12.30 | 27.72 -4.31 4.52 | 32.56 -6.71 8.69 | 31.53 -6.79 10.86 | 31.47 -4.84 -0.20 | 29.36 -4.35 0.03 | 26.70 -3.39 -0.65 |
| CH_RES_SYRACUSE 23985 | 34.48 -0.07 0.00 | 30.63 -0.06 0.00 | 28.06 -0.03 0.00 | 28.04 -0.06 0.00 | 28.13 -0.06 0.00 | 27.93 0.00 0.00 | 28.19 -0.03 0.00 | 31.53 -0.16 0.00 | 32.91 -0.30 0.00 | 31.08 -0.26 0.85 | 34.27 -0.25 1.48 | 33.71 -0.36 1.52 | 30.28 -0.31 4.27 | 28.71 -0.27 4.04 | 34.34 -0.30 2.84 | 29.99 -0.36 5.20 | 32.61 -0.31 1.75 | 39.02 -0.38 2.20 | 36.86 -0.11 -0.42 | 47.39 -0.19 0.38 | 49.40 -0.10 -0.31 | 36.82 -0.07 -0.79 | 34.06 -0.07 -0.39 | 30.29 -0.03 -0.88 |
| CLINTON_WT_PWR 323605 | 33.86 -0.69 0.00 | 30.11 -0.58 0.00 | 27.53 -0.56 0.00 | 27.57 -0.53 0.00 | 27.74 -0.45 0.00 | 27.51 -0.42 0.00 | 27.85 -0.37 0.00 | 31.28 -0.41 0.00 | 32.84 -0.36 0.00 | 31.87 -0.32 0.00 | 35.64 -0.36 0.00 | 35.27 -0.32 0.00 | 34.48 -0.38 0.00 | 32.66 -0.36 0.00 | 37.03 -0.45 0.00 | 35.12 -0.42 0.00 | 34.26 -0.41 0.00 | 41.10 -0.50 0.00 | 36.11 -0.44 0.00 | 47.33 -0.62 0.00 | 48.45 -0.74 0.00 | 35.46 -0.65 0.00 | 33.07 -0.67 0.00 | 28.76 -0.68 0.00 |
| CLINTON___LFGE 323618 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.81 -0.28 0.00 | 27.91 -0.20 0.00 | 28.08 -0.11 0.00 | 27.87 -0.06 0.00 | 28.22 0.00 0.00 | 31.66 -0.03 0.00 | 33.24 0.03 0.00 | 32.28 0.10 0.00 | 36.04 0.04 0.00 | 35.70 0.11 0.00 | 34.90 0.03 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.67 0.00 0.00 | 41.63 0.04 0.00 | 36.59 0.04 0.00 | 48.01 0.05 0.00 | 49.23 0.05 0.00 | 35.96 -0.14 0.00 | 33.51 -0.23 0.00 | 29.11 -0.32 0.00 |
| COBBLENY_34_KV_TB1 80064 | 31.84 -2.70 0.02 | 28.25 -2.42 0.02 | 25.82 -2.25 0.02 | 25.81 -2.28 0.02 | 25.92 -2.26 0.02 | 25.75 -2.18 0.00 | 26.33 -1.89 0.00 | 29.27 -2.41 0.01 | 31.13 -2.06 0.02 | 26.85 -2.86 2.47 | 24.62 -2.95 8.43 | 23.69 -3.20 8.70 | 19.28 -3.10 12.48 | 18.36 -2.84 11.82 | 17.66 -3.30 16.51 | 17.40 -2.95 15.20 | 23.47 -2.88 8.32 | 25.82 -3.24 12.52 | 28.59 -3.14 4.82 | 35.07 -4.27 8.62 | 34.20 -4.33 10.65 | 33.15 -3.03 -0.07 | 30.92 -2.73 0.09 | 27.70 -2.38 -0.65 |
| COFFEEN___115KV_TB3 355620 | 34.31 -0.24 0.00 | 30.42 -0.28 0.00 | 27.75 -0.34 0.00 | 27.65 -0.45 0.00 | 27.88 -0.31 0.00 | 27.46 -0.47 0.00 | 27.83 -0.40 0.00 | 31.02 -0.67 0.00 | 32.34 -0.86 0.00 | 30.65 -1.09 0.45 | 35.00 -1.01 0.00 | 34.17 -1.42 0.00 | 31.35 -1.25 2.25 | 29.60 -1.29 2.13 | 35.94 -1.57 -0.04 | 31.63 -1.17 2.74 | 32.37 -1.04 1.26 | 38.97 -1.12 1.50 | 36.34 -0.51 -0.30 | 46.23 -0.48 1.25 | 47.62 -0.39 1.17 | 36.43 -0.25 -0.58 | 34.01 0.07 -0.20 | 30.08 0.09 -0.56 |
| COLDSPRG_115KV_BK1 355956 | 32.35 -2.18 0.02 | 28.86 -1.81 0.02 | 26.35 -1.71 0.02 | 26.31 -1.77 0.02 | 26.40 -1.78 0.02 | 26.03 -1.90 0.00 | 26.67 -1.55 0.00 | 29.68 -2.00 0.01 | 32.19 -1.00 0.02 | 27.70 -1.83 2.66 | 25.02 -1.80 9.19 | 23.99 -2.14 9.47 | 19.49 -1.99 13.39 | 18.49 -1.85 12.68 | 17.25 -2.25 17.97 | 17.18 -2.06 16.31 | 23.81 -2.50 8.36 | 26.27 -2.75 12.58 | 31.57 -2.30 2.68 | 36.34 -3.07 8.55 | 35.48 -3.20 10.50 | 34.02 -2.09 0.00 | 31.84 -1.79 0.12 | 28.35 -1.74 -0.65 |
| COLONIE_LFGE___ 323577 | 36.18 1.62 0.00 | 32.14 1.44 0.00 | 29.41 1.32 0.00 | 29.42 1.32 0.00 | 29.49 1.30 0.00 | 29.19 1.26 0.00 | 29.43 1.21 0.00 | 33.05 1.36 0.00 | 34.70 1.50 0.00 | 33.60 1.41 0.00 | 37.55 1.55 0.00 | 37.20 1.60 0.00 | 36.43 1.57 0.00 | 34.54 1.52 0.00 | 39.81 1.69 -0.65 | 37.22 1.67 0.00 | 36.23 1.56 0.00 | 43.55 1.96 0.00 | 46.30 1.75 -8.00 | 50.31 2.35 0.00 | 60.32 2.16 -8.98 | 53.31 1.70 -15.50 | 43.04 1.62 -7.67 | 41.74 1.35 -10.95 |
| COOPERNY_115KV_TB1 80082 | 36.04 1.49 0.00 | 31.96 1.26 0.00 | 29.27 1.18 0.00 | 29.26 1.15 0.00 | 29.30 1.10 0.00 | 29.02 1.09 0.00 | 29.43 1.21 0.00 | 33.18 1.49 0.00 | 34.90 1.69 0.00 | 34.74 1.77 -0.79 | 39.11 1.94 -1.17 | 38.79 1.99 -1.20 | 40.78 1.95 -3.96 | 38.62 1.85 -3.75 | 42.37 2.14 -2.76 | 42.50 2.13 -4.83 | 38.86 1.98 -2.21 | 46.85 2.33 -2.92 | 44.63 1.97 -6.10 | 52.84 2.69 -2.20 | 61.70 3.00 -9.51 | 50.07 2.09 -11.86 | 41.73 1.89 -6.10 | 39.29 1.53 -8.32 |
| COPENHAGEN_WT_PWR 323753 | 34.14 -0.41 0.00 | 30.30 -0.40 0.00 | 27.64 -0.45 0.00 | 27.57 -0.53 0.00 | 27.77 -0.42 0.00 | 27.37 -0.56 0.00 | 27.68 -0.54 0.00 | 30.93 -0.76 0.00 | 32.21 -1.00 0.00 | 30.60 -1.13 0.46 | 34.92 -1.08 0.00 | 34.17 -1.42 0.00 | 31.25 -1.29 2.32 | 29.53 -1.29 2.20 | 35.98 -1.54 -0.04 | 31.51 -1.21 2.82 | 32.29 -1.08 1.30 | 38.82 -1.21 1.56 | 36.35 -0.62 -0.42 | 47.33 -0.62 0.00 | 49.12 -0.54 -0.47 | 36.53 -0.40 -0.82 | 34.04 -0.10 -0.40 | 29.95 -0.06 -0.58 |
| CORNELL_____ 23752 | 35.20 0.66 0.01 | 31.27 0.58 0.01 | 28.61 0.53 0.01 | 28.57 0.48 0.01 | 28.66 0.48 0.01 | 28.46 0.53 0.00 | 28.79 0.56 0.00 | 32.19 0.51 0.00 | 33.66 0.46 0.01 | 30.65 0.32 1.85 | 32.59 0.36 3.77 | 31.89 0.18 3.88 | 25.73 0.21 9.34 | 24.37 0.20 8.85 | 30.46 0.26 7.28 | 24.49 0.32 11.38 | 32.05 0.38 3.00 | 38.52 0.58 3.66 | 40.28 0.73 -3.00 | 46.57 1.06 2.44 | 48.83 1.13 1.48 | 38.51 0.83 -1.57 | 35.17 0.74 -0.69 | 31.88 0.65 -1.79 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| CORONA V_69_KV_TB1 355595 | 37.30 2.73 -0.02 | 33.06 2.36 0.00 | 30.25 2.16 0.00 | 30.26 2.14 -0.02 | 30.30 2.09 -0.02 | 30.05 2.12 0.00 | 30.44 2.20 -0.02 | 34.34 2.63 -0.02 | 36.11 2.89 -0.02 | 35.67 2.93 -0.56 | 46.44 3.17 -7.27 | 46.23 3.24 -7.40 | 53.88 3.14 -15.88 | 60.98 2.94 -25.03 | 54.76 3.41 -13.88 | 53.95 3.38 -15.02 | 51.46 3.19 -13.60 | 52.75 3.74 -7.41 | 52.66 3.40 -12.71 | 53.94 4.46 -1.53 | 64.23 5.16 -9.88 | 53.52 3.50 -13.91 | 43.99 3.31 -6.94 | 41.77 2.77 -9.57 |
| CORTLAND_115KV_TB3 80093 | 35.04 0.48 0.00 | 31.13 0.43 0.00 | 28.48 0.39 0.00 | 28.47 0.37 0.00 | 28.56 0.37 0.00 | 28.29 0.36 0.00 | 28.62 0.40 0.00 | 32.04 0.35 0.00 | 33.54 0.33 0.00 | 31.45 0.23 0.97 | 36.29 0.29 0.00 | 35.74 0.14 0.00 | 30.17 0.17 4.87 | 28.61 0.20 4.61 | 37.82 0.22 -0.12 | 29.87 0.25 5.93 | 33.23 0.28 1.72 | 40.29 0.37 1.68 | 38.06 0.51 -1.00 | 47.21 0.72 1.47 | 49.55 0.79 0.42 | 38.59 0.58 -1.90 | 35.13 0.54 -0.85 | 31.74 0.50 -1.80 |
| COXSACKIE__GT 23611 | 36.90 2.35 0.00 | 32.84 2.15 0.00 | 30.05 1.97 0.00 | 30.10 2.00 0.00 | 30.17 1.97 0.00 | 29.83 1.90 0.00 | 29.94 1.72 0.00 | 33.59 1.90 0.00 | 35.23 2.03 0.00 | 34.47 1.87 -0.42 | 37.59 1.58 0.00 | 37.02 1.43 0.00 | 38.29 1.32 -2.11 | 36.30 1.29 -1.99 | 39.22 1.12 -0.63 | 39.67 1.56 -2.56 | 37.29 1.42 -1.19 | 44.94 1.91 -1.43 | 46.25 1.83 -7.87 | 52.35 3.21 -1.18 | 62.14 2.70 -10.26 | 53.32 1.95 -15.27 | 43.22 1.92 -7.56 | 41.64 1.68 -10.52 |
| CPV_VALLEY__CC1 323721 | 36.11 1.56 0.00 | 32.08 1.38 0.00 | 29.36 1.27 0.00 | 29.37 1.27 0.00 | 29.35 1.16 0.00 | 29.13 1.20 0.00 | 29.43 1.21 0.00 | 33.15 1.46 0.00 | 34.94 1.73 0.00 | 34.59 1.77 -0.63 | 38.94 1.91 -1.03 | 38.65 1.99 -1.06 | 40.00 1.95 -3.18 | 37.88 1.85 -3.02 | 42.15 2.14 -2.54 | 41.59 2.17 -3.88 | 38.43 1.98 -1.78 | 46.30 2.33 -2.38 | 45.34 2.08 -6.71 | 52.63 2.88 -1.79 | 62.08 3.20 -9.70 | 51.33 2.20 -13.02 | 42.18 1.99 -6.45 | 40.01 1.68 -8.89 |
| CPV_VALLEY__CC2 323722 | 36.11 1.56 0.00 | 32.08 1.38 0.00 | 29.36 1.27 0.00 | 29.37 1.27 0.00 | 29.35 1.16 0.00 | 29.13 1.20 0.00 | 29.43 1.21 0.00 | 33.15 1.46 0.00 | 34.94 1.73 0.00 | 34.59 1.77 -0.63 | 38.94 1.91 -1.03 | 38.65 1.99 -1.06 | 40.00 1.95 -3.18 | 37.88 1.85 -3.02 | 42.15 2.14 -2.54 | 41.59 2.17 -3.88 | 38.43 1.98 -1.78 | 46.30 2.33 -2.38 | 45.34 2.08 -6.71 | 52.63 2.88 -1.79 | 62.08 3.20 -9.70 | 51.33 2.20 -13.02 | 42.18 1.99 -6.45 | 40.01 1.68 -8.89 |
| CRESCENT__HYD 24018 | 36.18 1.62 0.00 | 32.14 1.44 0.00 | 29.41 1.32 0.00 | 29.42 1.32 0.00 | 29.49 1.30 0.00 | 29.19 1.26 0.00 | 29.43 1.21 0.00 | 33.05 1.36 0.00 | 34.70 1.50 0.00 | 33.60 1.41 0.00 | 37.55 1.55 0.00 | 37.20 1.60 0.00 | 36.43 1.57 0.00 | 34.54 1.52 0.00 | 39.81 1.69 -0.65 | 37.22 1.67 0.00 | 36.23 1.56 0.00 | 43.55 1.96 0.00 | 46.30 1.75 -8.00 | 50.31 2.35 0.00 | 60.32 2.16 -8.98 | 53.31 1.70 -15.50 | 43.04 1.62 -7.67 | 41.74 1.35 -10.95 |
| CRICKET__VALLEY_CC1 323756 | 36.35 1.80 0.00 | 32.29 1.60 0.00 | 29.52 1.43 0.00 | 29.56 1.46 0.00 | 29.55 1.35 0.00 | 29.33 1.40 0.00 | 29.60 1.38 0.00 | 33.37 1.68 0.00 | 35.17 1.96 0.00 | 34.68 2.00 -0.50 | 38.20 2.20 0.00 | 37.87 2.28 0.00 | 39.61 2.23 -2.52 | 37.52 2.12 -2.39 | 40.53 2.47 -0.58 | 41.07 2.45 -3.07 | 38.34 2.25 -1.42 | 45.99 2.70 -1.70 | 46.36 2.45 -7.36 | 52.69 3.31 -1.42 | 62.75 3.59 -9.98 | 52.90 2.53 -14.27 | 43.07 2.26 -7.07 | 41.12 1.91 -9.77 |
| CRICKET__VALLEY_CC2 323757 | 36.35 1.80 0.00 | 32.29 1.60 0.00 | 29.52 1.43 0.00 | 29.56 1.46 0.00 | 29.55 1.35 0.00 | 29.33 1.40 0.00 | 29.60 1.38 0.00 | 33.37 1.68 0.00 | 35.17 1.96 0.00 | 34.68 2.00 -0.50 | 38.20 2.20 0.00 | 37.87 2.28 0.00 | 39.61 2.23 -2.52 | 37.52 2.12 -2.39 | 40.53 2.47 -0.58 | 41.07 2.45 -3.07 | 38.34 2.25 -1.42 | 45.99 2.70 -1.70 | 46.36 2.45 -7.36 | 52.69 3.31 -1.42 | 62.75 3.59 -9.98 | 52.90 2.53 -14.27 | 43.07 2.26 -7.07 | 41.12 1.91 -9.77 |
| CRICKET__VALLEY_CC3 323758 | 36.35 1.80 0.00 | 32.29 1.60 0.00 | 29.52 1.43 0.00 | 29.56 1.46 0.00 | 29.55 1.35 0.00 | 29.33 1.40 0.00 | 29.60 1.38 0.00 | 33.37 1.68 0.00 | 35.17 1.96 0.00 | 34.68 2.00 -0.50 | 38.20 2.20 0.00 | 37.87 2.28 0.00 | 39.61 2.23 -2.52 | 37.52 2.12 -2.39 | 40.53 2.47 -0.58 | 41.07 2.45 -3.07 | 38.34 2.25 -1.42 | 45.99 2.70 -1.70 | 46.36 2.45 -7.36 | 52.69 3.31 -1.42 | 62.75 3.59 -9.98 | 52.90 2.53 -14.27 | 43.07 2.26 -7.07 | 41.12 1.91 -9.77 |
| CRUCIBLE_METL_DRP 24180 | 34.55 0.00 0.00 | 30.69 0.00 0.00 | 28.06 -0.03 0.00 | 28.04 -0.06 0.00 | 28.16 -0.03 0.00 | 27.93 0.00 0.00 | 28.22 0.00 0.00 | 31.53 -0.16 0.00 | 32.97 -0.23 0.00 | 31.08 -0.26 0.85 | 34.50 -0.25 1.25 | 33.95 -0.36 1.29 | 30.26 -0.31 4.29 | 28.70 -0.26 4.06 | 34.79 -0.30 2.39 | 29.97 -0.36 5.22 | 33.27 -0.31 1.09 | 40.10 -0.37 1.12 | 36.93 -0.11 -0.49 | 47.00 -0.19 0.77 | 49.01 -0.10 0.08 | 36.96 -0.07 -0.92 | 34.00 -0.07 -0.33 | 30.35 0.03 -0.88 |
| DAHOWA__HYDRO 323763 | 36.52 1.97 0.00 | 32.48 1.78 0.00 | 29.69 1.60 0.00 | 29.76 1.66 0.00 | 29.80 1.61 0.00 | 29.49 1.56 0.00 | 29.80 1.58 0.00 | 33.34 1.65 0.00 | 34.90 1.69 0.00 | 33.76 1.58 0.00 | 37.77 1.76 0.00 | 37.37 1.78 0.00 | 36.60 1.74 0.00 | 34.67 1.65 0.00 | 40.00 1.87 -0.66 | 37.39 1.85 0.00 | 36.40 1.73 0.00 | 43.88 2.29 0.00 | 46.79 2.16 -8.09 | 50.74 2.78 0.00 | 61.01 2.75 -9.07 | 53.83 2.06 -15.67 | 43.39 1.89 -7.76 | 42.12 1.62 -11.06 |
| DANC__LFGE 323619 | 34.10 -0.45 0.00 | 30.27 -0.43 0.00 | 27.67 -0.42 0.00 | 27.60 -0.51 0.00 | 27.77 -0.42 0.00 | 27.43 -0.50 0.00 | 27.71 -0.51 0.00 | 30.93 -0.76 0.00 | 32.24 -0.96 0.00 | 30.62 -1.03 0.54 | 35.03 -0.97 0.00 | 34.38 -1.21 0.00 | 31.04 -1.12 2.70 | 29.37 -1.09 2.56 | 36.21 -1.31 -0.05 | 31.15 -1.10 3.29 | 32.18 -0.97 1.52 | 38.61 -1.16 1.82 | 36.15 -0.70 -0.30 | 45.95 -0.82 1.19 | 47.35 -0.74 1.10 | 36.17 -0.51 -0.57 | 33.72 -0.30 -0.28 | 29.89 -0.20 -0.66 |
| DANSKAMMER__1 23586 | 36.87 2.32 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.97 1.78 0.00 | 29.74 1.81 0.00 | 30.03 1.81 0.00 | 33.85 2.16 0.00 | 35.70 2.49 0.00 | 35.25 2.54 -0.52 | 38.60 2.59 0.00 | 38.16 2.56 0.00 | 39.94 2.48 -2.61 | 37.87 2.38 -2.47 | 40.78 2.73 -0.57 | 41.46 2.74 -3.18 | 38.62 2.43 -1.52 | 46.32 2.91 -1.82 | 46.45 2.70 -7.19 | 53.22 3.74 -1.52 | 63.22 4.13 -9.91 | 52.92 2.85 -13.96 | 43.25 2.60 -6.91 | 41.17 2.21 -9.53 |
| DANSKAMMER__2 23589 | 36.87 2.32 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.97 1.78 0.00 | 29.74 1.81 0.00 | 30.03 1.81 0.00 | 33.85 2.16 0.00 | 35.70 2.49 0.00 | 35.25 2.54 -0.52 | 38.60 2.59 0.00 | 38.16 2.56 0.00 | 39.94 2.48 -2.61 | 37.87 2.38 -2.47 | 40.78 2.73 -0.57 | 41.46 2.74 -3.18 | 38.62 2.43 -1.52 | 46.32 2.91 -1.82 | 46.45 2.70 -7.19 | 53.22 3.74 -1.52 | 63.22 4.13 -9.91 | 52.92 2.85 -13.96 | 43.25 2.60 -6.91 | 41.17 2.21 -9.53 |
| DANSKAMMER__3 23590 | 36.87 2.32 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.97 1.78 0.00 | 29.74 1.81 0.00 | 30.03 1.81 0.00 | 33.85 2.16 0.00 | 35.70 2.49 0.00 | 35.25 2.54 -0.52 | 38.60 2.59 0.00 | 38.16 2.56 0.00 | 39.94 2.48 -2.61 | 37.87 2.38 -2.47 | 40.78 2.73 -0.57 | 41.46 2.74 -3.18 | 38.62 2.43 -1.52 | 46.32 2.91 -1.82 | 46.45 2.70 -7.19 | 53.22 3.74 -1.52 | 63.22 4.13 -9.91 | 52.92 2.85 -13.96 | 43.25 2.60 -6.91 | 41.17 2.21 -9.53 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|
| DANSKAMMER___4 23591 | 36.87 2.32 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.97 1.78 0.00 | 29.74 1.81 0.00 | 30.03 1.81 0.00 | 33.85 2.16 0.00 | 35.70 2.49 0.00 | 35.25 2.54 -0.52 | 38.60 2.59 0.00 | 38.16 2.56 0.00 | 39.94 2.48 -2.61 | 37.87 2.38 -2.47 | 40.78 2.73 -0.57 | 41.46 2.74 -3.18 | 38.62 2.43 -1.52 | 46.32 2.91 -1.82 | 46.45 2.70 -7.19 | 53.22 3.74 -1.52 | 63.22 4.13 -9.91 | 52.92 2.85 -13.96 | 43.25 2.60 -6.91 | 41.17 2.21 -9.53 |
| DANSKAMMER___DIESEL 23592 | 36.83 2.28 0.00 | 32.63 1.93 0.00 | 29.91 1.83 0.00 | 29.93 1.83 0.00 | 29.94 1.75 0.00 | 29.69 1.76 0.00 | 30.00 1.78 0.00 | 33.81 2.12 0.00 | 35.63 2.42 0.00 | 35.25 2.54 -0.52 | 38.60 2.59 0.00 | 38.16 2.56 0.00 | 39.96 2.48 -2.62 | 37.88 2.38 -2.48 | 40.79 2.74 -0.57 | 41.47 2.74 -3.19 | 38.56 2.43 -1.46 | 46.25 2.91 -1.75 | 46.53 2.70 -7.27 | 53.15 3.74 -1.45 | 63.12 4.13 -9.80 | 52.87 2.85 -13.91 | 43.24 2.60 -6.90 | 41.08 2.12 -9.53 |
| DARBY___SOLAR 323810 | 36.45 1.90 0.00 | 32.41 1.72 0.00 | 29.63 1.54 0.00 | 29.70 1.60 0.00 | 29.74 1.55 0.00 | 29.44 1.51 0.00 | 29.72 1.49 0.00 | 33.27 1.58 0.00 | 34.87 1.66 0.00 | 33.73 1.54 0.00 | 37.70 1.69 0.00 | 37.30 1.71 0.00 | 36.53 1.67 0.00 | 34.64 1.62 0.00 | 39.97 1.84 -0.66 | 37.36 1.81 0.00 | 36.33 1.66 0.00 | 43.80 2.20 0.00 | 46.67 2.05 -8.07 | 50.64 2.68 0.00 | 60.90 2.65 -9.06 | 53.74 1.98 -15.65 | 43.31 1.82 -7.75 | 42.04 1.56 -11.05 |
| DASHVILLE___HYD 23610 | 36.63 2.07 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.59 1.90 0.00 | 35.37 2.16 0.00 | 34.93 2.22 -0.52 | 38.24 2.23 0.00 | 37.84 2.24 0.00 | 39.60 2.13 -2.61 | 37.54 2.05 -2.47 | 40.15 2.10 -0.58 | 41.14 2.42 -3.18 | 38.27 2.15 -1.45 | 45.91 2.58 -1.74 | 45.92 2.05 -7.33 | 52.81 3.40 -1.45 | 62.33 3.25 -9.90 | 52.43 2.24 -14.08 | 42.78 2.02 -7.02 | 40.75 1.62 -9.69 |
| DELAWARE___LFGE 323621 | 35.84 1.28 -0.01 | 31.84 1.14 -0.01 | 29.16 1.07 -0.01 | 29.18 1.07 -0.01 | 29.24 1.04 -0.01 | 28.91 0.98 0.00 | 30.14 1.92 0.00 | 33.82 2.12 0.00 | 35.41 2.19 -0.01 | 36.09 1.83 -2.06 | 41.20 2.20 -3.00 | 40.36 1.67 -3.09 | 47.14 1.88 -10.39 | 44.55 1.68 -9.84 | 45.31 1.80 -6.04 | 50.19 1.99 -12.66 | 43.08 1.87 -6.54 | 52.75 2.33 -8.83 | 40.62 1.46 -2.61 | 55.74 2.01 -5.76 | 61.19 2.11 -9.89 | 42.74 1.52 -5.11 | 39.13 1.45 -3.93 | 35.26 1.21 -4.61 |
| DERFIELD_115KV_TB7 355931 | 34.76 0.21 0.00 | 30.88 0.18 0.00 | 28.26 0.17 0.00 | 28.27 0.17 0.00 | 28.33 0.14 0.00 | 28.07 0.14 0.00 | 28.36 0.14 0.00 | 31.91 0.22 0.00 | 33.44 0.23 0.00 | 32.41 0.23 0.00 | 36.26 0.25 0.00 | 35.84 0.25 0.00 | 35.10 0.24 0.00 | 33.25 0.23 0.00 | 37.75 0.26 -0.01 | 35.79 0.25 0.00 | 34.91 0.24 0.00 | 41.88 0.29 0.00 | 36.83 0.18 -0.10 | 48.20 0.24 0.00 | 49.54 0.25 -0.11 | 36.48 0.18 -0.19 | 33.94 0.20 0.00 | 29.61 0.18 0.00 |
| DOGLEVILLE___HYD 23807 | 35.00 0.45 0.00 | 31.10 0.40 0.00 | 28.45 0.37 0.00 | 28.41 0.31 0.00 | 28.47 0.28 0.00 | 28.07 0.14 0.00 | 28.19 -0.03 0.00 | 31.69 0.00 0.00 | 33.27 0.07 0.00 | 32.28 0.10 0.00 | 36.22 0.22 0.00 | 35.74 0.14 0.00 | 35.03 0.17 0.00 | 33.15 0.13 0.00 | 37.60 0.11 -0.01 | 35.65 0.11 0.00 | 34.74 0.07 0.00 | 41.68 0.08 0.00 | 36.61 -0.04 -0.10 | 47.81 -0.14 0.00 | 49.00 -0.30 -0.11 | 36.04 -0.25 -0.19 | 33.67 -0.07 0.00 | 29.38 -0.06 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 32.15 -2.38 0.02 | 28.47 -2.21 0.02 | 26.05 -2.02 0.02 | 26.00 -2.08 0.02 | 26.14 -2.03 0.02 | 26.00 -1.93 0.00 | 26.61 -1.61 0.00 | 29.59 -2.09 0.01 | 31.43 -1.76 0.02 | 27.11 -2.61 2.47 | 24.92 -2.66 8.42 | 24.00 -2.92 8.68 | 19.60 -2.82 12.44 | 18.63 -2.61 11.79 | 17.93 -3.07 16.47 | 17.58 -2.81 15.15 | 23.61 -2.74 8.32 | 25.87 -3.20 12.52 | 28.04 -3.14 5.37 | 35.12 -4.22 8.62 | 34.15 -4.38 10.66 | 33.19 -3.00 -0.08 | 31.03 -2.63 0.08 | 27.85 -2.24 -0.65 |
| DUNKIRK___1 23563 | 32.15 -2.38 0.02 | 28.47 -2.21 0.02 | 26.05 -2.02 0.02 | 26.00 -2.08 0.02 | 26.14 -2.03 0.02 | 26.00 -1.93 0.00 | 26.61 -1.61 0.00 | 29.59 -2.09 0.01 | 31.43 -1.76 0.02 | 27.11 -2.61 2.47 | 24.92 -2.66 8.42 | 24.00 -2.92 8.68 | 19.60 -2.82 12.44 | 18.63 -2.61 11.79 | 17.93 -3.07 16.47 | 17.58 -2.81 15.15 | 23.61 -2.74 8.32 | 25.87 -3.20 12.52 | 28.04 -3.14 5.37 | 35.12 -4.22 8.62 | 34.15 -4.38 10.66 | 33.19 -3.00 -0.08 | 31.03 -2.63 0.08 | 27.85 -2.24 -0.65 |
| DUNKIRK___2 23564 | 32.15 -2.38 0.02 | 28.47 -2.21 0.02 | 26.05 -2.02 0.02 | 26.00 -2.08 0.02 | 26.14 -2.03 0.02 | 26.00 -1.93 0.00 | 26.61 -1.61 0.00 | 29.59 -2.09 0.01 | 31.43 -1.76 0.02 | 27.11 -2.61 2.47 | 24.92 -2.66 8.42 | 24.00 -2.92 8.68 | 19.60 -2.82 12.44 | 18.63 -2.61 11.79 | 17.93 -3.07 16.47 | 17.58 -2.81 15.15 | 23.61 -2.74 8.32 | 25.87 -3.20 12.52 | 28.04 -3.14 5.37 | 35.12 -4.22 8.62 | 34.15 -4.38 10.66 | 33.19 -3.00 -0.08 | 31.03 -2.63 0.08 | 27.85 -2.24 -0.65 |
| DUNKIRK___3 23565 | 32.05 -2.49 0.02 | 28.41 -2.27 0.02 | 25.99 -2.08 0.02 | 25.95 -2.14 0.02 | 26.09 -2.09 0.02 | 25.92 -2.01 0.00 | 26.53 -1.69 0.00 | 29.49 -2.19 0.01 | 31.30 -1.89 0.02 | 27.10 -2.64 2.45 | 24.91 -2.74 8.36 | 23.99 -2.99 8.62 | 19.64 -2.86 12.36 | 18.67 -2.64 11.71 | 18.05 -3.07 16.35 | 17.69 -2.81 15.05 | 23.61 -2.74 8.32 | 25.86 -3.20 12.53 | 27.67 -3.07 5.81 | 35.15 -4.17 8.63 | 34.22 -4.28 10.68 | 33.23 -2.96 -0.08 | 31.00 -2.67 0.08 | 27.82 -2.27 -0.65 |
| DUNKIRK___4 23566 | 32.05 -2.49 0.02 | 28.41 -2.27 0.02 | 25.99 -2.08 0.02 | 25.95 -2.14 0.02 | 26.09 -2.09 0.02 | 25.92 -2.01 0.00 | 26.53 -1.69 0.00 | 29.49 -2.19 0.01 | 31.30 -1.89 0.02 | 27.10 -2.64 2.45 | 24.91 -2.74 8.36 | 23.99 -2.99 8.62 | 19.64 -2.86 12.36 | 18.67 -2.64 11.71 | 18.05 -3.07 16.35 | 17.69 -2.81 15.05 | 23.61 -2.74 8.32 | 25.86 -3.20 12.53 | 27.67 -3.07 5.81 | 35.15 -4.17 8.63 | 34.22 -4.28 10.68 | 33.23 -2.96 -0.08 | 31.00 -2.67 0.08 | 27.82 -2.27 -0.65 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 36.69 2.14 0.00 | 32.45 1.75 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.52 1.59 0.00 | 29.89 1.67 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.44 2.85 0.00 | 40.33 2.75 -2.72 | 38.20 2.61 -2.57 | 41.08 3.04 -0.56 | 41.88 3.02 -3.31 | 38.96 2.77 -1.52 | 46.73 3.33 -1.81 | 46.71 3.00 -7.16 | 53.49 4.03 -1.51 | 63.67 4.62 -9.86 | 53.19 3.18 -13.91 | 43.43 2.77 -6.92 | 41.25 2.27 -9.55 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 36.87 2.31 0.00 | 32.66 1.96 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.97 1.78 0.00 | 29.72 1.79 0.00 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.67 2.46 0.00 | 35.26 2.54 -0.53 | 38.56 2.56 0.00 | 38.16 2.56 0.00 | 39.96 2.44 -2.66 | 37.88 2.34 -2.52 | 40.75 2.70 -0.57 | 41.52 2.74 -3.24 | 38.44 2.29 -1.48 | 46.11 2.75 -1.77 | 46.28 2.49 -7.25 | 52.88 3.45 -1.47 | 62.71 3.84 -9.69 | 52.45 2.67 -13.67 | 42.92 2.40 -6.78 | 40.73 1.94 -9.35 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 36.87 2.31 0.00 | 32.63 1.93 0.00 | 29.89 1.80 0.00 | 29.87 1.77 0.00 | 29.86 1.66 0.00 | 29.55 1.62 0.00 | 29.74 1.52 0.00 | 33.59 1.90 0.00 | 35.37 2.16 0.00 | 35.08 2.35 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.12 2.54 -2.72 | 38.04 2.44 -2.57 | 40.85 2.81 -0.56 | 41.66 2.81 -3.31 | 38.79 2.60 -1.51 | 46.52 3.12 -1.81 | 46.53 2.81 -7.16 | 53.21 3.74 -1.51 | 63.57 4.52 -9.87 | 53.15 3.14 -13.91 | 43.37 2.70 -6.92 | 41.22 2.24 -9.55 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| E179THST_13_KV_LOAD 356214 | 36.97 2.42 0.00 | 32.72 2.03 0.00 | 29.97 1.88 0.00 | 29.96 1.85 0.00 | 29.97 1.78 0.00 | 29.63 1.70 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.21 2.48 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.30 2.72 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.77 4.72 -9.87 | 53.33 3.32 -13.91 | 43.50 2.83 -6.92 | 41.34 2.36 -9.55 |
| EAST HAMPTON___GT 23717 | 38.50 3.94 -0.01 | 34.19 3.50 0.00 | 31.29 3.20 0.00 | 31.54 3.43 -0.01 | 31.47 3.27 -0.01 | 31.25 3.32 0.00 | 31.59 3.36 -0.01 | 35.53 3.83 -0.01 | 37.37 4.15 -0.01 | 36.69 3.96 -0.55 | 43.82 4.28 -3.53 | 43.32 4.13 -3.60 | 47.98 4.01 -9.11 | 50.30 3.80 -13.48 | 48.82 4.31 -7.04 | 48.69 4.16 -8.99 | 45.85 3.78 -7.40 | 50.21 4.08 -4.54 | 50.15 3.69 -9.91 | 54.12 4.65 -1.52 | 64.02 4.92 -9.92 | 53.27 3.18 -13.99 | 43.65 2.97 -6.93 | 41.67 2.68 -9.56 |
| EAST RIVER___6 23660 | 29.72 2.35 7.18 | 32.69 1.99 0.00 | 29.89 1.80 0.00 | 29.93 1.83 0.00 | 29.86 1.66 0.00 | 29.69 1.76 0.00 | 29.97 1.75 0.00 | 33.85 2.16 0.00 | 35.73 2.52 0.00 | 35.33 2.61 -0.54 | 38.92 2.91 0.00 | 38.62 3.02 0.00 | 40.49 2.93 -2.70 | 38.36 2.77 -2.56 | 41.26 3.22 -0.56 | 42.04 3.20 -3.29 | 39.14 2.95 -1.52 | 46.94 3.53 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.56 3.47 -13.99 | 43.64 2.97 -6.92 | 41.54 2.56 -9.55 |
| EAST RIVER___7 23524 | 29.72 2.35 7.18 | 32.69 1.99 0.00 | 29.89 1.80 0.00 | 29.93 1.83 0.00 | 29.86 1.66 0.00 | 29.69 1.76 0.00 | 29.97 1.75 0.00 | 33.85 2.16 0.00 | 35.73 2.52 0.00 | 35.33 2.61 -0.54 | 38.92 2.91 0.00 | 38.62 3.02 0.00 | 40.49 2.93 -2.70 | 38.36 2.77 -2.56 | 41.26 3.22 -0.56 | 42.04 3.20 -3.29 | 39.14 2.95 -1.52 | 46.94 3.53 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.56 3.47 -13.99 | 43.64 2.97 -6.92 | 41.54 2.56 -9.55 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 36.66 2.11 0.00 | 32.42 1.72 0.00 | 29.69 1.60 0.00 | 29.70 1.60 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.65 1.96 0.00 | 35.47 2.26 0.00 | 35.11 2.38 -0.54 | 38.63 2.63 0.00 | 38.37 2.78 0.00 | 40.27 2.68 -2.72 | 38.14 2.54 -2.58 | 41.00 2.96 -0.56 | 41.78 2.91 -3.32 | 38.89 2.70 -1.52 | 46.65 3.24 -1.82 | 46.63 2.92 -7.16 | 53.40 3.93 -1.51 | 63.52 4.48 -9.86 | 53.11 3.11 -13.90 | 43.36 2.70 -6.92 | 41.19 2.21 -9.54 |
| EAST_HAMPTON___DIESEL 23722 | 38.50 3.94 -0.01 | 34.19 3.50 0.00 | 31.26 3.17 0.00 | 31.54 3.43 -0.01 | 31.47 3.27 -0.01 | 31.25 3.32 0.00 | 31.59 3.36 -0.01 | 35.53 3.83 -0.01 | 37.33 4.12 -0.01 | 36.69 3.96 -0.55 | 43.78 4.25 -3.53 | 43.32 4.13 -3.60 | 47.94 3.97 -9.11 | 50.26 3.76 -13.48 | 48.79 4.27 -7.04 | 48.66 4.12 -8.99 | 45.82 3.75 -7.40 | 50.17 4.03 -4.54 | 50.08 3.62 -9.91 | 54.03 4.56 -1.52 | 63.98 4.87 -9.92 | 53.20 3.11 -13.99 | 43.58 2.90 -6.93 | 41.61 2.62 -9.56 |
| EAST_POINT___SOLAR 323840 | 36.93 2.38 0.00 | 32.81 2.12 0.00 | 30.00 1.91 0.00 | 30.07 1.97 0.00 | 30.14 1.94 0.00 | 29.80 1.87 0.00 | 30.28 2.06 0.00 | 33.94 2.25 0.00 | 35.00 1.79 0.00 | 34.10 1.32 -0.59 | 38.47 1.29 -1.17 | 38.18 1.39 -1.20 | 39.54 1.71 -2.97 | 37.39 1.55 -2.82 | 42.15 1.69 -2.99 | 40.84 1.67 -3.62 | 38.08 1.73 -1.67 | 46.67 2.79 -2.29 | 48.08 2.56 -8.97 | 52.83 3.45 -1.42 | 64.56 3.59 -11.79 | 56.07 2.56 -17.40 | 44.75 2.40 -8.61 | 43.44 2.03 -11.97 |
| EAST_PULASKI___ESR 323781 | 34.14 -0.41 0.00 | 30.30 -0.40 0.00 | 27.72 -0.37 0.00 | 27.68 -0.42 0.00 | 27.83 -0.37 0.00 | 27.54 -0.39 0.00 | 27.80 -0.42 0.00 | 31.06 -0.63 0.00 | 32.41 -0.80 0.00 | 30.78 -0.80 0.60 | 35.21 -0.79 0.00 | 34.67 -0.93 0.00 | 30.94 -0.87 3.05 | 29.28 -0.86 2.88 | 36.55 -0.97 -0.05 | 30.91 -0.92 3.71 | 32.12 -0.83 1.71 | 38.54 -1.00 2.05 | 36.23 -0.66 -0.33 | 45.80 -0.82 1.34 | 47.15 -0.79 1.24 | 36.20 -0.54 -0.63 | 33.65 -0.31 -0.31 | 29.88 -0.29 -0.74 |
| EAST_RIVER___1 323558 | 29.65 2.28 7.18 | 32.63 1.94 0.00 | 29.83 1.74 0.00 | 29.87 1.77 0.00 | 29.83 1.63 0.00 | 29.66 1.73 0.00 | 29.94 1.72 0.00 | 33.78 2.09 0.00 | 35.67 2.46 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.35 2.79 -2.70 | 38.25 2.67 -2.56 | 41.15 3.11 -0.56 | 41.93 3.09 -3.29 | 39.03 2.84 -1.52 | 46.82 3.41 -1.82 | 46.83 3.07 -7.21 | 53.59 4.12 -1.51 | 63.97 4.87 -9.91 | 53.49 3.39 -13.99 | 43.60 2.93 -6.92 | 41.52 2.53 -9.55 |
| EAST_RIVER___2 323559 | 29.72 2.35 7.18 | 32.69 1.99 0.00 | 29.89 1.80 0.00 | 29.93 1.83 0.00 | 29.86 1.66 0.00 | 29.69 1.76 0.00 | 29.97 1.75 0.00 | 33.85 2.16 0.00 | 35.73 2.52 0.00 | 35.33 2.61 -0.54 | 38.92 2.91 0.00 | 38.62 3.02 0.00 | 40.49 2.93 -2.70 | 38.36 2.77 -2.56 | 41.26 3.22 -0.56 | 42.04 3.20 -3.29 | 39.14 2.95 -1.52 | 46.94 3.53 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.56 3.47 -13.99 | 43.64 2.97 -6.92 | 41.54 2.56 -9.55 |
| EAST___DELAWARE_HYD 23607 | 36.83 2.28 0.00 | 32.72 2.03 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 30.00 1.81 0.00 | 29.74 1.81 0.00 | 30.08 1.86 0.00 | 33.91 2.22 0.00 | 35.73 2.52 0.00 | 35.34 2.51 -0.64 | 39.64 2.52 -1.12 | 39.20 2.45 -1.15 | 40.44 2.34 -3.24 | 38.37 2.28 -3.07 | 42.79 2.58 -2.73 | 42.12 2.63 -3.95 | 38.89 2.36 -1.86 | 46.88 2.79 -2.50 | 46.10 2.67 -6.88 | 53.40 3.74 -1.70 | 63.04 4.08 -9.78 | 52.31 2.85 -13.36 | 42.99 2.63 -6.61 | 40.82 2.24 -9.15 |
| EIGHT_POINT___WT_PWR 323820 | 33.14 -1.38 0.03 | 29.38 -1.29 0.03 | 26.83 -1.24 0.03 | 26.76 -1.32 0.03 | 26.87 -1.30 0.03 | 26.65 -1.28 0.00 | 27.06 -1.16 0.00 | 30.12 -1.55 0.01 | 31.82 -1.36 0.03 | 26.88 -1.74 3.57 | 22.22 -1.80 11.98 | 21.05 -2.21 12.34 | 14.66 -2.23 17.97 | 13.82 -2.18 17.02 | 11.53 -2.51 23.44 | 11.49 -2.17 21.89 | 22.64 -1.97 10.06 | 24.41 -2.25 14.93 | 54.66 -1.83 -19.94 | 39.17 -2.11 6.68 | 39.21 -2.16 7.81 | 33.84 -1.66 0.61 | 31.61 -1.82 0.31 | 28.47 -1.62 -0.65 |
| ELBRIDGE_115KV_TB2 80188 | 34.34 -0.21 0.00 | 30.48 -0.21 0.00 | 27.89 -0.20 0.00 | 27.90 -0.20 0.00 | 27.99 -0.20 0.00 | 27.76 -0.17 0.00 | 28.08 -0.14 0.00 | 31.37 -0.32 0.00 | 32.77 -0.43 0.00 | 30.78 -0.48 0.93 | 34.01 -0.50 1.49 | 33.45 -0.61 1.53 | 29.63 -0.56 4.67 | 28.10 -0.50 4.42 | 34.06 -0.56 2.85 | 29.26 -0.60 5.68 | 33.23 -0.52 0.92 | 40.14 -0.62 0.83 | 36.68 -0.37 -0.49 | 46.97 -0.48 0.50 | 49.08 -0.44 -0.34 | 36.75 -0.29 -0.93 | 33.77 -0.30 -0.33 | 30.17 -0.18 -0.91 |
| ELEC_TRO_TEK 24086 | 37.16 2.59 -0.02 | 32.94 2.24 0.00 | 30.14 2.05 0.00 | 30.17 2.05 -0.02 | 30.18 1.97 -0.02 | 29.94 2.01 0.00 | 30.35 2.12 -0.02 | 34.21 2.50 -0.02 | 36.01 2.79 -0.02 | 35.57 2.83 -0.55 | 45.18 3.06 -6.12 | 44.92 3.10 -6.23 | 51.66 3.00 -13.80 | 57.30 2.81 -21.47 | 52.55 3.30 -11.77 | 51.99 3.27 -13.17 | 49.41 3.05 -11.69 | 51.74 3.62 -6.52 | 51.64 3.25 -11.83 | 53.75 4.27 -1.52 | 63.98 4.92 -9.88 | 53.34 3.32 -13.91 | 43.85 3.17 -6.94 | 41.65 2.65 -9.56 |
| ELLENBURG_WT_PWR 323604 | 33.86 -0.69 0.00 | 30.11 -0.58 0.00 | 27.53 -0.56 0.00 | 27.57 -0.53 0.00 | 27.74 -0.45 0.00 | 27.51 -0.42 0.00 | 27.85 -0.37 0.00 | 31.28 -0.41 0.00 | 32.84 -0.36 0.00 | 31.87 -0.32 0.00 | 35.64 -0.36 0.00 | 35.27 -0.32 0.00 | 34.48 -0.38 0.00 | 32.66 -0.36 0.00 | 37.03 -0.45 0.00 | 35.12 -0.42 0.00 | 34.26 -0.41 0.00 | 41.10 -0.50 0.00 | 36.11 -0.44 0.00 | 47.33 -0.62 0.00 | 48.45 -0.74 0.00 | 35.46 -0.65 0.00 | 33.07 -0.67 0.00 | 28.76 -0.68 0.00 |

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| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 31.74 -2.80 0.02 | 28.07 -2.61 0.02 | 25.68 -2.39 0.02 | 25.67 -2.42 0.02 | 25.81 -2.37 0.02 | 25.72 -2.21 0.00 | 26.27 -1.95 0.00 | 29.21 -2.47 0.01 | 30.77 -2.42 0.02 | 26.66 -3.22 2.31 | 24.94 -3.35 7.71 | 24.09 -3.56 7.94 | 19.79 -3.45 11.62 | 18.85 -3.17 11.00 | 18.74 -3.67 15.06 | 18.09 -3.31 14.15 | 23.43 -3.02 8.22 | 25.69 -3.54 12.37 | 26.78 -3.55 6.23 | 34.45 -4.89 8.62 | 33.51 -4.97 10.71 | 32.74 -3.50 -0.13 | 30.51 -3.17 0.06 | 27.47 -2.62 -0.65 |
| EMPIRE_CC_1 323656 | 36.11 1.56 0.00 | 32.11 1.41 0.00 | 29.35 1.27 0.00 | 29.40 1.29 0.00 | 29.43 1.24 0.00 | 29.13 1.20 0.00 | 29.35 1.13 0.00 | 32.99 1.30 0.00 | 34.63 1.43 0.00 | 33.98 1.38 -0.41 | 37.52 1.51 0.00 | 37.16 1.56 0.00 | 38.45 1.53 -2.06 | 36.46 1.49 -1.95 | 39.75 1.65 -0.63 | 39.72 1.67 -2.51 | 37.35 1.52 -1.16 | 44.85 1.87 -1.39 | 46.11 1.68 -7.87 | 51.37 2.25 -1.16 | 61.39 1.97 -10.23 | 52.96 1.59 -15.27 | 42.85 1.55 -7.56 | 41.29 1.33 -10.53 |
| EMPIRE_CC_2 323658 | 36.11 1.56 0.00 | 32.11 1.41 0.00 | 29.35 1.27 0.00 | 29.40 1.29 0.00 | 29.43 1.24 0.00 | 29.13 1.20 0.00 | 29.35 1.13 0.00 | 32.99 1.30 0.00 | 34.63 1.43 0.00 | 33.98 1.38 -0.41 | 37.52 1.51 0.00 | 37.16 1.56 0.00 | 38.45 1.53 -2.06 | 36.46 1.49 -1.95 | 39.75 1.65 -0.63 | 39.72 1.67 -2.51 | 37.35 1.52 -1.16 | 44.85 1.87 -1.39 | 46.11 1.68 -7.87 | 51.37 2.25 -1.16 | 61.39 1.97 -10.23 | 52.96 1.59 -15.27 | 42.85 1.55 -7.56 | 41.29 1.33 -10.53 |
| ENORWICH_115KV_TB1 80156 | 36.53 1.97 0.00 | 32.42 1.72 0.00 | 29.69 1.60 0.00 | 29.62 1.52 0.00 | 29.75 1.55 0.00 | 29.38 1.45 0.00 | 29.97 1.75 0.00 | 33.56 1.87 0.00 | 35.04 1.83 0.00 | 34.31 1.32 -0.80 | 39.60 1.55 -2.05 | 38.70 1.00 -2.11 | 40.06 1.15 -4.05 | 37.91 1.06 -3.83 | 42.85 1.16 -4.21 | 41.97 1.49 -4.93 | 39.60 1.46 -3.47 | 48.62 1.91 -5.11 | 41.95 1.72 -3.68 | 54.15 2.45 -3.75 | 59.42 2.51 -7.72 | 42.96 1.81 -5.05 | 37.98 1.75 -2.49 | 34.21 1.53 -3.24 |
| ERIE_ST__34_KV_TB1-2 80199 | 31.80 -2.73 0.02 | 28.44 -2.24 0.02 | 25.93 -2.13 0.02 | 25.98 -2.11 0.02 | 25.98 -2.20 0.02 | 25.67 -2.26 0.00 | 26.22 -2.00 0.00 | 29.18 -2.50 0.01 | 31.50 -1.69 0.02 | 27.48 -2.32 2.39 | 25.52 -2.38 8.11 | 24.61 -2.60 8.39 | 20.27 -2.51 12.08 | 19.29 -2.28 11.45 | 18.91 -2.66 15.91 | 18.48 -2.35 14.72 | 23.76 -2.60 8.31 | 26.18 -2.91 12.50 | 28.83 -2.52 5.20 | 35.91 -3.40 8.64 | 35.03 -3.44 10.71 | 33.79 -2.42 -0.11 | 31.51 -2.16 0.07 | 28.03 -2.06 -0.65 |
| ERIE_WT_PWR 323693 | 31.74 -2.80 0.02 | 28.13 -2.55 0.02 | 25.82 -2.25 0.02 | 25.75 -2.33 0.02 | 25.89 -2.28 0.02 | 25.69 -2.24 0.00 | 26.24 -1.98 0.00 | 29.27 -2.41 0.01 | 30.90 -2.29 0.02 | 26.85 -2.99 2.35 | 24.67 -3.10 8.24 | 23.78 -3.31 8.50 | 19.81 -3.21 11.84 | 18.83 -2.97 11.22 | 17.89 -3.45 16.13 | 18.02 -3.09 14.43 | 19.89 -2.91 11.87 | 20.12 -3.33 18.14 | 27.25 -3.33 5.98 | 35.20 -4.46 8.30 | 34.22 -4.57 10.39 | 32.86 -3.21 0.03 | 30.82 -2.90 0.02 | 27.55 -2.53 -0.65 |
| ESPRGFLD_115KV_TB1 80157 | 36.28 1.73 0.00 | 32.20 1.50 0.00 | 29.47 1.38 0.00 | 29.46 1.35 0.00 | 29.58 1.38 0.00 | 29.24 1.31 0.00 | 30.11 1.89 0.00 | 33.75 2.06 0.00 | 35.20 1.99 0.00 | 34.85 1.58 -1.08 | 39.37 1.80 -1.57 | 38.67 1.46 -1.62 | 41.94 1.64 -5.44 | 39.66 1.49 -5.16 | 42.16 1.61 -3.07 | 43.92 1.74 -6.63 | 39.40 1.70 -3.03 | 47.89 2.29 -4.01 | 38.63 1.79 -0.29 | 53.47 2.49 -3.02 | 55.81 2.66 -3.97 | 38.57 1.88 -0.59 | 36.50 1.82 -0.93 | 31.77 1.53 -0.81 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 35.17 0.62 0.01 | 31.27 0.58 0.01 | 28.59 0.51 0.01 | 28.57 0.48 0.01 | 28.67 0.48 0.01 | 28.43 0.50 0.00 | 28.76 0.54 0.00 | 32.16 0.48 0.00 | 33.67 0.46 0.01 | 30.94 0.32 1.57 | 33.68 0.36 2.69 | 33.01 0.18 2.77 | 27.18 0.21 7.89 | 25.74 0.20 7.47 | 32.60 0.26 5.14 | 26.22 0.28 9.61 | 32.57 0.38 2.48 | 39.25 0.54 2.88 | 40.02 0.69 -2.77 | 46.92 0.96 1.99 | 49.41 1.08 0.86 | 38.75 0.79 -1.85 | 35.28 0.71 -0.83 | 31.96 0.62 -1.91 |
| ETNA____115KV_TB2 80207 | 35.17 0.62 0.01 | 31.27 0.58 0.01 | 28.59 0.51 0.01 | 28.57 0.48 0.01 | 28.67 0.48 0.01 | 28.43 0.50 0.00 | 28.76 0.54 0.00 | 32.16 0.48 0.00 | 33.67 0.46 0.01 | 30.94 0.32 1.57 | 33.68 0.36 2.69 | 33.01 0.18 2.77 | 27.18 0.21 7.89 | 25.74 0.20 7.47 | 32.60 0.26 5.14 | 26.22 0.28 9.61 | 32.57 0.38 2.48 | 39.25 0.54 2.88 | 40.02 0.69 -2.77 | 46.92 0.96 1.99 | 49.41 1.08 0.86 | 38.75 0.79 -1.85 | 35.28 0.71 -0.83 | 31.96 0.62 -1.91 |
| EUCLID___115KV_TB2 356179 | 34.17 -0.38 0.00 | 30.33 -0.37 0.00 | 27.75 -0.34 0.00 | 27.74 -0.37 0.00 | 27.85 -0.34 0.00 | 27.62 -0.31 0.00 | 27.91 -0.31 0.00 | 31.15 -0.54 0.00 | 32.54 -0.66 0.00 | 30.78 -0.71 0.70 | 35.25 -0.76 0.00 | 34.77 -0.82 0.00 | 30.56 -0.80 3.50 | 28.98 -0.73 3.32 | 36.71 -0.82 -0.06 | 30.43 -0.85 4.27 | 31.95 -0.76 1.95 | 38.34 -0.92 2.34 | 36.42 -0.58 -0.45 | 45.20 -0.82 1.94 | 46.56 -0.79 1.84 | 36.42 -0.54 -0.86 | 33.53 -0.51 -0.29 | 29.92 -0.35 -0.84 |
| E_CANADA_CAP_HY 24051 | 36.63 2.07 0.00 | 32.54 1.84 0.00 | 29.75 1.66 0.00 | 29.79 1.69 0.00 | 29.86 1.66 0.00 | 29.55 1.62 0.00 | 30.05 1.83 0.00 | 33.66 1.97 0.00 | 34.97 1.76 0.00 | 34.29 1.38 -0.72 | 38.96 1.48 -1.48 | 38.47 1.35 -1.52 | 40.00 1.53 -3.61 | 37.86 1.42 -3.42 | 42.63 1.54 -3.62 | 41.54 1.60 -4.40 | 38.30 1.60 -2.03 | 46.71 2.33 -2.79 | 48.00 2.08 -9.36 | 52.49 2.88 -1.66 | 64.70 3.00 -12.51 | 56.40 2.13 -18.17 | 44.83 2.09 -8.99 | 43.79 1.80 -12.56 |
| E_CANADA_MHWK_HY 24050 | 35.04 0.48 0.00 | 31.13 0.43 0.00 | 28.45 0.36 0.00 | 28.41 0.31 0.00 | 28.47 0.28 0.00 | 28.07 0.14 0.00 | 28.19 -0.03 0.00 | 31.69 0.00 0.00 | 33.27 0.07 0.00 | 32.28 0.10 0.00 | 36.22 0.22 0.00 | 35.74 0.14 0.00 | 35.04 0.18 0.00 | 33.15 0.13 0.00 | 37.60 0.11 -0.01 | 35.65 0.11 0.00 | 34.74 0.07 0.00 | 41.68 0.08 0.00 | 36.51 -0.04 0.00 | 47.81 -0.14 0.00 | 48.89 -0.29 0.00 | 35.86 -0.25 0.00 | 33.67 -0.07 0.00 | 29.41 -0.03 0.00 |
| E_FISHKILL___LBMP 23776 | 36.38 1.83 0.00 | 32.23 1.53 0.00 | 29.55 1.46 0.00 | 29.54 1.43 0.00 | 29.55 1.35 0.00 | 29.30 1.37 0.00 | 29.63 1.41 0.00 | 33.43 1.74 0.00 | 35.17 1.96 0.00 | 34.80 2.09 -0.52 | 38.27 2.27 0.00 | 37.98 2.38 0.00 | 39.77 2.30 -2.61 | 37.67 2.18 -2.47 | 40.60 2.55 -0.57 | 41.25 2.52 -3.18 | 38.45 2.32 -1.46 | 46.12 2.79 -1.74 | 46.30 2.49 -7.26 | 52.81 3.40 -1.45 | 62.83 3.74 -9.90 | 52.84 2.64 -14.09 | 43.06 2.33 -6.99 | 41.00 1.91 -9.65 |
| FALCON___SEABRD_CC1 323796 | 34.24 -0.31 0.00 | 30.42 -0.28 0.00 | 27.78 -0.31 0.00 | 27.88 -0.23 0.00 | 28.05 -0.14 0.00 | 27.82 -0.11 0.00 | 28.19 -0.03 0.00 | 31.63 -0.06 0.00 | 33.21 0.00 0.00 | 32.25 0.06 0.00 | 36.04 0.04 0.00 | 35.66 0.07 0.00 | 34.86 0.00 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.64 -0.03 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.91 -0.05 0.00 | 49.09 -0.10 0.00 | 35.89 -0.22 0.00 | 33.44 -0.30 0.00 | 29.09 -0.35 0.00 |
| FALCON___SEABRD_CC2 323797 | 34.24 -0.31 0.00 | 30.42 -0.28 0.00 | 27.78 -0.31 0.00 | 27.88 -0.23 0.00 | 28.05 -0.14 0.00 | 27.82 -0.11 0.00 | 28.19 -0.03 0.00 | 31.63 -0.06 0.00 | 33.21 0.00 0.00 | 32.25 0.06 0.00 | 36.04 0.04 0.00 | 35.66 0.07 0.00 | 34.86 0.00 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.64 -0.03 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.91 -0.05 0.00 | 49.09 -0.10 0.00 | 35.89 -0.22 0.00 | 33.44 -0.30 0.00 | 29.09 -0.35 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| FAR ROCKAWAY___4 23548 | 37.57 3.01 -0.02 | 33.31 2.61 0.00 | 30.45 2.36 0.00 | 30.48 2.36 -0.02 | 30.52 2.31 -0.02 | 30.25 2.32 0.00 | 30.64 2.40 -0.02 | 34.56 2.85 -0.02 | 36.38 3.15 -0.02 | 35.93 3.19 -0.56 | 45.79 3.46 -6.33 | 45.57 3.52 -6.45 | 52.47 3.42 -14.19 | 58.36 3.20 -22.14 | 53.39 3.75 -12.17 | 52.73 3.66 -13.52 | 50.19 3.47 -12.05 | 52.40 4.12 -6.69 | 52.24 3.69 -12.00 | 54.37 4.89 -1.52 | 64.67 5.61 -9.88 | 53.84 3.83 -13.91 | 44.26 3.58 -6.94 | 42.00 3.00 -9.56 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 36.80 2.25 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.78 2.09 0.00 | 35.60 2.39 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.40 2.82 -2.72 | 38.27 2.67 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.82 3.41 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.92 4.87 -9.86 | 53.41 3.39 -13.91 | 43.60 2.94 -6.92 | 41.40 2.41 -9.55 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 36.80 2.25 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.78 2.09 0.00 | 35.60 2.39 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.37 2.79 -2.72 | 38.27 2.67 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.82 3.41 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.92 4.87 -9.86 | 53.41 3.39 -13.91 | 43.60 2.94 -6.92 | 41.40 2.41 -9.55 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 36.80 2.25 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.78 2.09 0.00 | 35.57 2.36 0.00 | 35.24 2.51 -0.54 | 38.78 2.77 0.00 | 38.48 2.88 0.00 | 40.37 2.79 -2.72 | 38.24 2.64 -2.57 | 41.11 3.07 -0.56 | 41.91 3.06 -3.31 | 38.99 2.81 -1.51 | 46.82 3.41 -1.81 | 46.74 3.03 -7.16 | 53.54 4.08 -1.51 | 63.92 4.87 -9.86 | 53.41 3.39 -13.91 | 43.60 2.94 -6.92 | 41.40 2.41 -9.55 |
| FARRAGUT___LBMP 323566 | 36.76 2.21 0.00 | 32.48 1.78 0.00 | 29.75 1.66 0.00 | 29.76 1.66 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.86 1.64 0.00 | 33.75 2.06 0.00 | 35.53 2.32 0.00 | 35.21 2.48 -0.54 | 38.74 2.74 0.00 | 38.44 2.85 0.00 | 40.33 2.75 -2.72 | 38.24 2.64 -2.57 | 41.08 3.04 -0.56 | 41.88 3.02 -3.31 | 38.96 2.77 -1.51 | 46.77 3.37 -1.81 | 46.74 3.03 -7.16 | 53.49 4.03 -1.51 | 63.87 4.82 -9.86 | 53.37 3.36 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| FARRCKWY_69_KV_BK2 55825 | 37.57 3.01 -0.02 | 33.31 2.61 0.00 | 30.45 2.36 0.00 | 30.48 2.36 -0.02 | 30.52 2.31 -0.02 | 30.25 2.32 0.00 | 30.64 2.40 -0.02 | 34.56 2.85 -0.02 | 36.38 3.15 -0.02 | 35.93 3.19 -0.56 | 45.79 3.46 -6.33 | 45.57 3.52 -6.45 | 52.47 3.42 -14.19 | 58.36 3.20 -22.14 | 53.39 3.75 -12.17 | 52.73 3.66 -13.52 | 50.19 3.47 -12.05 | 52.40 4.12 -6.69 | 52.24 3.69 -12.00 | 54.37 4.89 -1.52 | 64.67 5.61 -9.88 | 53.84 3.83 -13.91 | 44.26 3.58 -6.94 | 42.00 3.00 -9.56 |
| FENNER___WINDPWR 24204 | 35.10 0.55 0.00 | 31.19 0.49 0.00 | 28.54 0.45 0.00 | 28.50 0.39 0.00 | 28.62 0.42 0.00 | 28.35 0.42 0.00 | 28.64 0.42 0.00 | 32.10 0.41 0.00 | 33.57 0.37 0.00 | 31.78 0.29 0.70 | 36.40 0.40 0.00 | 35.81 0.21 0.00 | 31.59 0.25 3.51 | 29.93 0.23 3.33 | 37.78 0.23 -0.08 | 31.59 0.32 4.28 | 33.01 0.31 1.97 | 39.65 0.42 2.36 | 37.69 0.51 -0.63 | 47.84 0.72 0.83 | 49.87 0.84 0.14 | 37.91 0.61 -1.19 | 34.94 0.61 -0.59 | 31.18 0.53 -1.21 |
| FIBERTEK___ENERGY 23856 | 34.55 0.00 0.00 | 30.69 0.00 0.00 | 28.06 -0.03 0.00 | 28.04 -0.06 0.00 | 28.16 -0.03 0.00 | 27.93 0.00 0.00 | 28.22 0.00 0.00 | 31.53 -0.16 0.00 | 32.97 -0.23 0.00 | 31.08 -0.26 0.85 | 34.50 -0.25 1.25 | 33.95 -0.36 1.29 | 30.26 -0.31 4.29 | 28.70 -0.26 4.06 | 34.79 -0.30 2.39 | 29.97 -0.36 5.22 | 33.27 -0.31 1.09 | 40.10 -0.37 1.12 | 36.93 -0.11 -0.49 | 47.00 -0.19 0.77 | 49.01 -0.10 0.08 | 36.96 -0.07 -0.92 | 34.00 -0.07 -0.33 | 30.35 0.03 -0.88 |
| FITZPATRICK____ 23598 | 33.69 -0.86 0.00 | 29.90 -0.80 0.00 | 27.39 -0.70 0.00 | 27.37 -0.73 0.00 | 27.49 -0.70 0.00 | 27.23 -0.70 0.00 | 27.54 -0.68 0.00 | 30.80 -0.89 0.00 | 32.14 -1.06 0.00 | 30.61 -1.06 0.52 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 31.07 -1.19 2.60 | 29.47 -1.09 2.46 | 36.29 -1.24 -0.05 | 31.10 -1.28 3.17 | 32.03 -1.18 1.46 | 38.38 -1.46 1.75 | 35.85 -1.13 -0.44 | 46.42 -1.54 0.00 | 48.20 -1.47 -0.49 | 35.91 -1.05 -0.85 | 33.18 -0.98 -0.42 | 29.24 -0.79 -0.60 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 36.83 2.28 0.00 | 32.66 1.96 0.00 | 29.91 1.83 0.00 | 29.93 1.83 0.00 | 29.94 1.75 0.00 | 29.69 1.76 0.00 | 30.00 1.78 0.00 | 33.85 2.15 0.00 | 35.67 2.46 0.00 | 35.25 2.54 -0.52 | 38.63 2.63 0.00 | 38.19 2.60 0.00 | 39.95 2.48 -2.62 | 37.91 2.41 -2.48 | 40.82 2.77 -0.57 | 41.50 2.77 -3.19 | 38.59 2.46 -1.46 | 46.29 2.95 -1.74 | 46.60 2.78 -7.28 | 53.24 3.84 -1.45 | 63.19 4.18 -9.82 | 52.99 2.92 -13.95 | 43.30 2.63 -6.92 | 41.17 2.18 -9.56 |
| FORT ORANGE____ 23900 | 35.94 1.38 0.00 | 31.96 1.26 0.00 | 29.24 1.15 0.00 | 29.26 1.15 0.00 | 29.32 1.13 0.00 | 29.02 1.09 0.00 | 29.12 0.90 0.00 | 32.70 1.01 0.00 | 34.34 1.13 0.00 | 33.28 1.10 0.00 | 37.12 1.12 0.00 | 36.73 1.14 0.00 | 35.98 1.12 0.00 | 34.08 1.06 0.00 | 39.28 1.16 -0.64 | 36.79 1.24 0.00 | 35.78 1.11 0.00 | 43.01 1.41 0.00 | 45.67 1.24 -7.87 | 49.73 1.78 0.00 | 59.60 1.57 -8.84 | 52.56 1.19 -15.26 | 42.51 1.21 -7.55 | 41.24 1.03 -10.77 |
| FORT_DRUM_COGEN 23780 | 34.17 -0.38 0.00 | 30.27 -0.43 0.00 | 27.61 -0.48 0.00 | 27.54 -0.56 0.00 | 27.74 -0.45 0.00 | 27.34 -0.59 0.00 | 27.68 -0.54 0.00 | 30.90 -0.79 0.00 | 32.21 -1.00 0.00 | 30.56 -1.19 0.43 | 34.89 -1.12 0.00 | 34.10 -1.49 0.00 | 31.36 -1.32 2.18 | 29.60 -1.35 2.06 | 35.87 -1.65 -0.04 | 31.65 -1.24 2.65 | 32.35 -1.11 1.21 | 38.89 -1.25 1.45 | 36.22 -0.62 -0.30 | 46.12 -0.62 1.21 | 47.51 -0.54 1.13 | 36.31 -0.36 -0.56 | 33.87 -0.07 -0.20 | 29.95 -0.03 -0.54 |
| FOX_HILLS___ESR 323835 | 37.15 2.59 -0.01 | 33.01 2.30 -0.01 | 30.17 2.08 -0.01 | 30.22 2.11 -0.01 | 30.17 1.97 -0.01 | 30.03 2.10 -0.01 | 30.17 1.95 0.00 | 33.88 2.18 0.00 | 35.63 2.42 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.35 2.79 -2.70 | 38.22 2.64 -2.56 | 41.11 3.07 -0.56 | 41.93 3.09 -3.29 | 39.03 2.84 -1.52 | 46.90 3.49 -1.82 | 46.90 3.14 -7.21 | 53.69 4.22 -1.51 | 64.06 4.97 -9.91 | 53.68 3.58 -13.99 | 43.81 3.14 -6.93 | 41.70 2.71 -9.55 |
| FPL_FAR_ROCK_GT1 24212 | 37.61 3.04 -0.02 | 33.43 2.73 0.00 | 30.50 2.42 0.00 | 30.56 2.44 -0.02 | 30.55 2.34 -0.02 | 30.33 2.40 0.00 | 30.69 2.45 -0.02 | 34.56 2.85 -0.02 | 36.44 3.22 -0.02 | 35.93 3.19 -0.55 | 45.79 3.46 -6.33 | 45.57 3.52 -6.45 | 52.46 3.42 -14.18 | 58.35 3.20 -22.13 | 53.35 3.71 -12.17 | 52.71 3.66 -13.50 | 50.19 3.47 -12.05 | 52.41 4.12 -6.70 | 52.29 3.69 -12.05 | 54.42 4.94 -1.52 | 64.72 5.60 -9.93 | 53.92 3.83 -13.99 | 44.26 3.57 -6.94 | 42.06 3.06 -9.56 |
| FPL_FAR_ROCK_GT2 23815 | 37.61 3.04 -0.02 | 33.43 2.73 0.00 | 30.50 2.42 0.00 | 30.56 2.44 -0.02 | 30.55 2.34 -0.02 | 30.33 2.40 0.00 | 30.69 2.45 -0.02 | 34.56 2.85 -0.02 | 36.44 3.22 -0.02 | 35.93 3.19 -0.55 | 45.79 3.46 -6.33 | 45.57 3.52 -6.45 | 52.46 3.42 -14.18 | 58.35 3.20 -22.13 | 53.35 3.71 -12.17 | 52.71 3.66 -13.50 | 50.19 3.47 -12.05 | 52.41 4.12 -6.70 | 52.29 3.69 -12.05 | 54.42 4.94 -1.52 | 64.72 5.60 -9.93 | 53.92 3.83 -13.99 | 44.26 3.57 -6.94 | 42.06 3.06 -9.56 |

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| FRANKLIN_FALL_HYD 24054 | 34.17 -0.38 0.00 | 30.36 -0.34 0.00 | 27.69 -0.39 0.00 | 27.79 -0.31 0.00 | 27.97 -0.23 0.00 | 27.79 -0.14 0.00 | 28.14 -0.08 0.00 | 31.56 -0.13 0.00 | 33.17 -0.03 0.00 | 32.22 0.03 0.00 | 35.97 -0.04 0.00 | 35.63 0.04 0.00 | 34.83 -0.03 0.00 | 32.95 -0.07 0.00 | 37.33 -0.15 0.00 | 35.40 -0.14 0.00 | 34.64 -0.03 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.91 -0.05 0.00 | 49.13 -0.05 0.00 | 35.89 -0.22 0.00 | 33.40 -0.34 0.00 | 29.03 -0.41 0.00 |
| FREEPORT_EQUS_GT1 23764 | 37.47 2.90 -0.01 | 33.28 2.58 0.00 | 30.39 2.30 0.00 | 30.45 2.33 -0.01 | 30.43 2.23 -0.01 | 30.22 2.29 0.00 | 30.57 2.34 -0.01 | 34.43 2.73 -0.01 | 36.31 3.09 -0.01 | 35.80 3.06 -0.55 | 43.92 3.31 -4.61 | 43.67 3.38 -4.69 | 49.16 3.24 -11.05 | 52.89 3.07 -16.80 | 50.05 3.56 -9.01 | 49.79 3.52 -10.72 | 47.22 3.36 -9.19 | 50.91 3.95 -5.37 | 50.86 3.58 -10.73 | 54.18 4.70 -1.52 | 64.42 5.31 -9.92 | 53.70 3.61 -13.99 | 44.12 3.44 -6.94 | 41.94 2.94 -9.56 |
| FREEPORT___CT2 23818 | 37.47 2.90 -0.01 | 33.28 2.58 0.00 | 30.39 2.30 0.00 | 30.45 2.33 -0.01 | 30.43 2.23 -0.01 | 30.22 2.29 0.00 | 30.57 2.34 -0.01 | 34.43 2.73 -0.01 | 36.31 3.09 -0.01 | 35.80 3.06 -0.55 | 43.92 3.31 -4.61 | 43.67 3.38 -4.69 | 49.16 3.24 -11.05 | 52.89 3.07 -16.80 | 50.05 3.56 -9.01 | 49.79 3.52 -10.72 | 47.22 3.36 -9.19 | 50.91 3.95 -5.37 | 50.86 3.58 -10.73 | 54.18 4.70 -1.52 | 64.42 5.31 -9.92 | 53.70 3.61 -13.99 | 44.12 3.44 -6.94 | 41.94 2.94 -9.56 |
| FRESHKLS_33_KV_LOAD 356253 | 37.26 2.70 -0.01 | 33.10 2.40 -0.01 | 30.26 2.16 -0.01 | 30.27 2.16 -0.01 | 30.23 2.03 -0.01 | 30.09 2.15 -0.01 | 30.22 2.00 0.00 | 33.91 2.22 0.00 | 35.67 2.46 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.35 2.79 -2.70 | 38.22 2.64 -2.56 | 41.11 3.07 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.94 3.53 -1.82 | 46.98 3.22 -7.21 | 53.78 4.32 -1.51 | 64.16 5.07 -9.91 | 53.75 3.65 -13.99 | 43.88 3.21 -6.93 | 41.76 2.77 -9.55 |
| FULTON COGEN____ 23766 | 33.96 -0.59 0.00 | 30.14 -0.55 0.00 | 27.58 -0.51 0.00 | 27.57 -0.53 0.00 | 27.69 -0.51 0.00 | 27.43 -0.50 0.00 | 27.71 -0.51 0.00 | 30.96 -0.73 0.00 | 32.38 -0.83 0.00 | 30.67 -0.87 0.65 | 35.10 -0.90 0.00 | 34.60 -1.00 0.00 | 30.59 -0.98 3.29 | 29.01 -0.89 3.12 | 36.52 -1.01 -0.06 | 30.47 -1.07 4.01 | 31.87 -0.97 1.83 | 38.19 -1.21 2.19 | 36.14 -0.84 -0.43 | 45.03 -1.10 1.83 | 46.43 -1.03 1.72 | 36.16 -0.76 -0.81 | 33.31 -0.71 -0.27 | 29.70 -0.53 -0.79 |
| FULTON___LFGE 323630 | 36.66 2.11 0.00 | 32.57 1.87 0.00 | 29.77 1.69 0.00 | 29.82 1.71 0.00 | 29.88 1.69 0.00 | 29.55 1.62 0.00 | 29.97 1.75 0.00 | 33.50 1.81 0.00 | 34.74 1.53 0.00 | 33.97 1.22 -0.56 | 38.39 1.29 -1.10 | 37.97 1.25 -1.13 | 39.04 1.36 -2.82 | 36.95 1.25 -2.67 | 41.74 1.42 -2.84 | 40.51 1.53 -3.44 | 37.75 1.49 -1.59 | 45.96 2.20 -2.17 | 47.55 2.12 -8.88 | 52.35 3.02 -1.37 | 63.90 3.10 -11.61 | 55.56 2.24 -17.22 | 44.32 2.06 -8.52 | 43.06 1.77 -11.86 |
| G.F.CEMENT___DRP 24184 | 36.66 2.11 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.90 1.80 0.00 | 29.94 1.75 0.00 | 29.63 1.70 0.00 | 29.94 1.72 0.00 | 33.46 1.77 0.00 | 35.03 1.83 0.00 | 33.96 1.77 0.00 | 37.95 1.94 0.00 | 37.52 1.92 0.00 | 36.74 1.88 0.00 | 34.80 1.78 0.00 | 40.12 1.99 -0.66 | 37.50 1.95 0.00 | 36.47 1.80 0.00 | 44.05 2.45 0.00 | 46.92 2.30 -8.07 | 50.98 3.02 0.00 | 61.28 3.05 -9.05 | 53.94 2.20 -15.63 | 43.51 1.99 -7.78 | 42.18 1.65 -11.09 |
| GARDENVILLE___LBMP 24039 | 31.77 -2.76 0.02 | 28.16 -2.52 0.02 | 25.77 -2.30 0.02 | 25.75 -2.33 0.02 | 25.86 -2.31 0.02 | 25.75 -2.18 0.00 | 26.30 -1.92 0.00 | 29.24 -2.44 0.01 | 30.93 -2.26 0.02 | 26.79 -3.03 2.37 | 24.90 -3.13 7.97 | 23.99 -3.38 8.22 | 19.64 -3.28 11.95 | 18.70 -3.00 11.32 | 18.40 -3.49 15.59 | 17.87 -3.13 14.55 | 23.47 -2.95 8.26 | 25.77 -3.41 12.41 | 26.28 -3.36 6.91 | 34.74 -4.60 8.61 | 33.83 -4.67 10.68 | 32.93 -3.29 -0.11 | 30.67 -3.00 0.07 | 27.58 -2.50 -0.65 |
| GARDNVLA_35_KV_LD 355827 | 31.87 -2.66 0.02 | 28.22 -2.46 0.02 | 25.82 -2.25 0.02 | 25.81 -2.28 0.02 | 25.92 -2.26 0.02 | 25.78 -2.15 0.00 | 26.36 -1.86 0.00 | 29.30 -2.38 0.01 | 31.06 -2.13 0.02 | 26.82 -2.99 2.37 | 24.92 -3.10 7.99 | 23.99 -3.35 8.25 | 19.69 -3.21 11.96 | 18.71 -2.97 11.34 | 18.41 -3.41 15.66 | 17.88 -3.09 14.58 | 23.50 -2.88 8.29 | 25.84 -3.29 12.47 | 27.72 -3.29 5.54 | 34.86 -4.46 8.64 | 33.94 -4.52 10.72 | 33.04 -3.18 -0.11 | 30.81 -2.87 0.07 | 27.67 -2.41 -0.65 |
| GELCKHM___115KV_LOAD 80723 | 34.31 -0.24 0.00 | 30.45 -0.25 0.00 | 27.86 -0.22 0.00 | 27.85 -0.25 0.00 | 27.97 -0.23 0.00 | 27.73 -0.20 0.00 | 28.02 -0.20 0.00 | 31.28 -0.41 0.00 | 32.71 -0.50 0.00 | 30.88 -0.55 0.76 | 34.41 -0.58 1.02 | 33.87 -0.68 1.05 | 30.41 -0.63 3.82 | 28.84 -0.56 3.62 | 34.90 -0.64 1.93 | 30.22 -0.68 4.65 | 32.79 -0.59 1.30 | 39.36 -0.75 1.48 | 36.57 -0.44 -0.46 | 46.30 -0.58 1.09 | 48.05 -0.54 0.60 | 36.62 -0.36 -0.88 | 33.71 -0.34 -0.30 | 30.04 -0.21 -0.80 |
| GENERAL___MILLS 23808 | 31.84 -2.70 0.02 | 28.19 -2.49 0.02 | 25.79 -2.28 0.02 | 25.78 -2.30 0.02 | 25.89 -2.28 0.02 | 25.75 -2.18 0.00 | 26.33 -1.89 0.00 | 29.27 -2.41 0.01 | 31.00 -2.19 0.02 | 26.82 -2.99 2.37 | 24.92 -3.10 7.98 | 24.00 -3.35 8.24 | 19.70 -3.21 11.96 | 18.72 -2.97 11.33 | 18.43 -3.41 15.64 | 17.88 -3.09 14.57 | 23.48 -2.91 8.28 | 25.81 -3.33 12.45 | 27.35 -3.29 5.91 | 34.82 -4.51 8.63 | 33.95 -4.52 10.71 | 33.00 -3.21 -0.11 | 30.77 -2.90 0.07 | 27.64 -2.44 -0.65 |
| GE_PLASTICS___DRP 24183 | 35.55 1.00 0.00 | 31.71 1.01 0.00 | 29.07 0.98 0.00 | 29.09 0.98 0.00 | 29.12 0.93 0.00 | 28.80 0.87 0.00 | 28.98 0.76 0.00 | 32.58 0.89 0.00 | 34.17 0.96 0.00 | 33.19 1.00 0.00 | 37.08 1.08 0.00 | 36.73 1.14 0.00 | 35.94 1.08 0.00 | 34.08 1.06 0.00 | 39.28 1.16 -0.64 | 36.75 1.21 0.00 | 35.75 1.07 0.00 | 42.92 1.33 0.00 | 45.56 1.17 -7.84 | 49.59 1.63 0.00 | 59.45 1.48 -8.79 | 52.41 1.12 -15.18 | 42.39 1.11 -7.53 | 41.07 0.88 -10.75 |
| GILBOA___1 23756 | 35.73 1.18 0.00 | 31.86 1.17 0.00 | 29.16 1.07 0.00 | 29.17 1.07 0.00 | 29.21 1.01 0.00 | 28.85 0.92 0.00 | 29.10 0.88 0.00 | 32.74 1.04 0.00 | 34.40 1.19 0.00 | 33.99 1.19 -0.61 | 38.27 1.29 -0.97 | 37.91 1.32 -1.00 | 39.23 1.29 -3.08 | 37.16 1.22 -2.92 | 41.34 1.42 -2.44 | 40.72 1.42 -3.75 | 37.72 1.32 -1.73 | 45.48 1.58 -2.31 | 44.68 1.42 -6.71 | 51.72 1.97 -1.79 | 60.85 1.97 -9.69 | 50.53 1.41 -13.01 | 41.54 1.35 -6.44 | 39.47 1.15 -8.89 |
| GILBOA___2 23757 | 35.73 1.18 0.00 | 31.86 1.17 0.00 | 29.16 1.07 0.00 | 29.17 1.07 0.00 | 29.21 1.01 0.00 | 28.85 0.92 0.00 | 29.10 0.88 0.00 | 32.74 1.04 0.00 | 34.40 1.19 0.00 | 33.99 1.19 -0.61 | 38.27 1.29 -0.97 | 37.91 1.32 -1.00 | 39.23 1.29 -3.08 | 37.16 1.22 -2.92 | 41.34 1.42 -2.44 | 40.72 1.42 -3.75 | 37.72 1.32 -1.73 | 45.48 1.58 -2.31 | 44.68 1.42 -6.71 | 51.72 1.97 -1.79 | 60.85 1.97 -9.69 | 50.53 1.41 -13.01 | 41.54 1.35 -6.44 | 39.47 1.15 -8.89 |
| GILBOA___3 23758 | 35.73 1.18 0.00 | 31.86 1.17 0.00 | 29.16 1.07 0.00 | 29.17 1.07 0.00 | 29.21 1.01 0.00 | 28.85 0.92 0.00 | 29.10 0.88 0.00 | 32.74 1.04 0.00 | 34.40 1.19 0.00 | 33.99 1.19 -0.61 | 38.27 1.29 -0.97 | 37.91 1.32 -1.00 | 39.23 1.29 -3.08 | 37.16 1.22 -2.92 | 41.34 1.42 -2.44 | 40.72 1.42 -3.75 | 37.72 1.32 -1.73 | 45.48 1.58 -2.31 | 44.68 1.42 -6.71 | 51.72 1.97 -1.79 | 60.85 1.97 -9.69 | 50.53 1.41 -13.01 | 41.54 1.35 -6.44 | 39.47 1.15 -8.89 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GILBOA___4 23759 | 35.73 1.18 0.00 | 31.86 1.17 0.00 | 29.16 1.07 0.00 | 29.17 1.07 0.00 | 29.21 1.01 0.00 | 28.85 0.92 0.00 | 29.10 0.88 0.00 | 32.74 1.04 0.00 | 34.40 1.19 0.00 | 33.99 1.19 -0.61 | 38.27 1.29 -0.97 | 37.91 1.32 -1.00 | 39.23 1.29 -3.08 | 37.16 1.22 -2.92 | 41.34 1.42 -2.44 | 40.72 1.42 -3.75 | 37.72 1.32 -1.73 | 45.48 1.58 -2.31 | 44.68 1.42 -6.71 | 51.72 1.97 -1.79 | 60.85 1.97 -9.69 | 50.53 1.41 -13.01 | 41.54 1.35 -6.44 | 39.47 1.15 -8.89 |
| GILBOA____ 23599 | 35.69 1.14 0.00 | 31.80 1.11 0.00 | 29.13 1.04 0.00 | 29.14 1.04 0.00 | 29.18 0.99 0.00 | 28.80 0.87 0.00 | 29.10 0.87 0.00 | 32.74 1.05 0.00 | 34.37 1.16 0.00 | 33.99 1.19 -0.61 | 38.34 1.30 -1.04 | 37.98 1.32 -1.07 | 39.25 1.29 -3.10 | 37.17 1.22 -2.93 | 41.47 1.42 -2.57 | 40.74 1.42 -3.77 | 37.71 1.32 -1.73 | 45.49 1.58 -2.32 | 44.71 1.43 -6.74 | 51.64 1.97 -1.72 | 60.79 1.97 -9.63 | 50.59 1.41 -13.07 | 41.52 1.35 -6.43 | 39.42 1.09 -8.89 |
| GINNA____ 23603 | 31.50 -3.04 0.01 | 27.71 -2.98 0.01 | 25.55 -2.53 0.01 | 25.51 -2.58 0.01 | 25.73 -2.45 0.01 | 25.72 -2.21 0.00 | 26.16 -2.06 0.00 | 29.21 -2.47 0.00 | 30.08 -3.12 0.01 | 27.40 -3.31 1.48 | 28.10 -3.56 4.34 | 27.43 -3.70 4.47 | 23.83 -3.59 7.44 | 22.61 -3.37 7.05 | 25.24 -3.78 8.45 | 22.93 -3.55 9.06 | 17.71 -3.09 13.88 | 16.65 -3.66 21.28 | 33.19 -3.54 -0.19 | 32.29 -4.70 10.97 | 30.02 -4.77 14.40 | 33.07 -3.36 -0.32 | 30.69 -3.21 -0.16 | 27.27 -2.85 -0.69 |
| GLEN PARK____ 23778 | 34.21 -0.35 0.00 | 30.33 -0.37 0.00 | 27.67 -0.42 0.00 | 27.60 -0.51 0.00 | 27.83 -0.37 0.00 | 27.40 -0.53 0.00 | 27.74 -0.48 0.00 | 30.96 -0.73 0.00 | 32.24 -0.96 0.00 | 30.62 -1.13 0.44 | 34.92 -1.08 0.00 | 34.13 -1.46 0.00 | 31.30 -1.32 2.23 | 29.55 -1.36 2.12 | 35.91 -1.61 -0.04 | 31.58 -1.25 2.72 | 32.34 -1.08 1.26 | 38.88 -1.21 1.50 | 36.37 -0.59 -0.41 | 47.38 -0.57 0.00 | 49.15 -0.49 -0.46 | 36.57 -0.33 -0.79 | 34.13 0.00 -0.39 | 29.99 0.00 -0.56 |
| GLENDALE_27_KV_LOAD 356172 | 36.94 2.38 0.00 | 32.66 1.96 0.00 | 29.94 1.85 0.00 | 29.93 1.83 0.00 | 29.94 1.75 0.00 | 29.69 1.76 0.00 | 29.97 1.75 0.00 | 33.85 2.15 0.00 | 35.63 2.42 0.00 | 35.33 2.61 -0.54 | 38.88 2.88 0.00 | 38.58 2.99 0.00 | 40.44 2.86 -2.72 | 38.30 2.71 -2.57 | 41.19 3.15 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.82 3.11 -7.16 | 53.64 4.17 -1.51 | 63.97 4.92 -9.87 | 53.48 3.47 -13.91 | 43.67 3.00 -6.92 | 41.46 2.47 -9.55 |
| GLENWOOD_IC_1_G5 23712 | 37.16 2.59 -0.01 | 32.91 2.21 0.00 | 30.11 2.02 0.00 | 30.14 2.02 -0.01 | 30.15 1.95 -0.01 | 29.91 1.98 0.00 | 30.30 2.06 -0.01 | 34.18 2.47 -0.01 | 35.98 2.76 -0.01 | 35.61 2.86 -0.55 | 44.77 3.13 -5.63 | 44.57 3.24 -5.74 | 50.88 3.10 -12.92 | 55.93 2.94 -19.98 | 51.77 3.41 -10.88 | 51.31 3.38 -12.39 | 48.71 3.16 -10.88 | 51.49 3.74 -6.15 | 51.38 3.36 -11.46 | 53.94 4.46 -1.52 | 64.13 5.07 -9.88 | 53.52 3.50 -13.91 | 43.89 3.21 -6.94 | 41.65 2.65 -9.56 |
| GLENWOOD_IC_2_G1 23688 | 36.93 2.38 0.00 | 32.81 2.12 0.00 | 29.97 1.88 0.00 | 30.02 1.91 0.00 | 30.00 1.81 0.00 | 29.80 1.87 0.00 | 30.11 1.89 0.00 | 33.94 2.25 0.00 | 35.80 2.59 0.00 | 35.37 2.64 -0.54 | 39.15 2.88 -0.26 | 38.85 2.99 -0.27 | 40.90 2.86 -3.18 | 39.09 2.71 -3.37 | 41.67 3.15 -1.04 | 42.39 3.13 -3.71 | 39.54 2.91 -1.95 | 47.06 3.45 -2.02 | 47.10 3.14 -7.41 | 53.64 4.17 -1.51 | 63.87 4.77 -9.91 | 53.38 3.29 -13.99 | 43.64 2.97 -6.93 | 41.52 2.53 -9.55 |
| GLENWOOD_IC_3_G1 23689 | 36.93 2.38 0.00 | 32.81 2.12 0.00 | 29.97 1.88 0.00 | 30.02 1.91 0.00 | 30.00 1.81 0.00 | 29.80 1.87 0.00 | 30.11 1.89 0.00 | 33.94 2.25 0.00 | 35.80 2.59 0.00 | 35.37 2.64 -0.54 | 39.15 2.88 -0.26 | 38.85 2.99 -0.27 | 40.90 2.86 -3.18 | 39.09 2.71 -3.37 | 41.67 3.15 -1.04 | 42.39 3.13 -3.71 | 39.54 2.91 -1.95 | 47.06 3.45 -2.02 | 47.10 3.14 -7.41 | 53.64 4.17 -1.51 | 63.87 4.77 -9.91 | 53.38 3.29 -13.99 | 43.64 2.97 -6.93 | 41.52 2.53 -9.55 |
| GLENWOOD___4 23550 | 37.16 2.59 -0.01 | 32.91 2.21 0.00 | 30.11 2.02 0.00 | 30.14 2.02 -0.01 | 30.15 1.95 -0.01 | 29.91 1.98 0.00 | 30.30 2.06 -0.01 | 34.18 2.47 -0.01 | 35.98 2.76 -0.01 | 35.61 2.86 -0.55 | 44.77 3.13 -5.63 | 44.57 3.24 -5.74 | 50.88 3.10 -12.92 | 55.93 2.94 -19.98 | 51.77 3.41 -10.88 | 51.31 3.38 -12.39 | 48.71 3.16 -10.88 | 51.49 3.74 -6.15 | 51.38 3.36 -11.46 | 53.94 4.46 -1.52 | 64.13 5.07 -9.88 | 53.52 3.50 -13.91 | 43.89 3.21 -6.94 | 41.65 2.65 -9.56 |
| GLENWOOD___5 23614 | 37.16 2.59 -0.01 | 32.91 2.21 0.00 | 30.11 2.02 0.00 | 30.14 2.02 -0.01 | 30.15 1.95 -0.01 | 29.91 1.98 0.00 | 30.30 2.06 -0.01 | 34.18 2.47 -0.01 | 35.98 2.76 -0.01 | 35.61 2.86 -0.55 | 44.77 3.13 -5.63 | 44.57 3.24 -5.74 | 50.88 3.10 -12.92 | 55.93 2.94 -19.98 | 51.77 3.41 -10.88 | 51.31 3.38 -12.39 | 48.71 3.16 -10.88 | 51.49 3.74 -6.15 | 51.38 3.36 -11.46 | 53.94 4.46 -1.52 | 64.13 5.07 -9.88 | 53.52 3.50 -13.91 | 43.89 3.21 -6.94 | 41.65 2.65 -9.56 |
| GLOBAL GREEN_PORT_GT1 23814 | 38.53 3.97 -0.01 | 34.22 3.53 0.00 | 31.29 3.20 0.00 | 31.51 3.40 -0.01 | 31.47 3.27 -0.01 | 31.22 3.29 0.00 | 31.56 3.33 -0.01 | 35.53 3.83 -0.01 | 37.40 4.18 -0.01 | 36.76 4.02 -0.55 | 43.89 4.35 -3.53 | 43.43 4.23 -3.60 | 48.08 4.11 -9.11 | 50.40 3.89 -13.48 | 48.94 4.42 -7.04 | 48.84 4.30 -8.99 | 46.02 3.95 -7.40 | 50.59 4.45 -4.54 | 50.48 4.02 -9.91 | 54.66 5.18 -1.52 | 64.57 5.46 -9.92 | 53.67 3.58 -13.99 | 44.02 3.34 -6.93 | 42.00 3.00 -9.56 |
| GLOBE___DSASP 323697 | 30.87 -3.66 0.02 | 27.12 -3.56 0.02 | 24.87 -3.20 0.02 | 24.83 -3.26 0.02 | 25.05 -3.13 0.02 | 25.14 -2.79 0.00 | 25.69 -2.51 0.02 | 28.56 -3.11 0.03 | 29.61 -3.59 0.02 | 26.13 -3.93 2.13 | 24.88 -4.18 6.95 | 24.15 -4.31 7.14 | 19.93 -4.22 10.72 | 19.01 -3.86 10.15 | 19.52 -4.42 13.54 | 18.48 -4.02 13.05 | 22.51 -3.95 8.21 | 24.52 -4.78 12.29 | 27.71 -4.35 4.49 | 32.51 -6.76 8.68 | 31.44 -6.89 10.86 | 31.43 -4.87 -0.20 | 29.29 -4.42 0.03 | 26.65 -3.44 -0.65 |
| GOETHSLN___LBMP 323567 | 36.63 2.07 0.00 | 32.35 1.66 0.00 | 29.63 1.54 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.44 1.51 0.00 | 29.77 1.55 0.00 | 33.65 1.96 0.00 | 35.47 2.26 0.00 | 35.14 2.41 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.26 2.68 -2.72 | 38.14 2.54 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.89 2.70 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.77 4.72 -9.86 | 53.26 3.25 -13.91 | 43.47 2.80 -6.92 | 41.28 2.30 -9.55 |
| GOLAH___69_KV_TB 1_2 80279 | 32.85 -1.69 0.01 | 28.87 -1.81 0.01 | 26.50 -1.57 0.01 | 26.49 -1.60 0.01 | 26.72 -1.47 0.01 | 26.73 -1.20 0.00 | 27.18 -1.04 0.00 | 30.23 -1.46 0.01 | 31.30 -1.89 0.01 | 28.07 -2.51 1.60 | 28.68 -2.66 4.66 | 27.98 -2.81 4.80 | 24.03 -2.75 8.08 | 22.82 -2.54 7.65 | 25.50 -2.89 9.09 | 23.07 -2.63 9.84 | 24.17 -2.15 8.35 | 26.45 -2.58 12.56 | 34.13 -2.67 -0.25 | 35.16 -3.55 9.25 | 33.84 -3.54 11.80 | 34.03 -2.49 -0.42 | 31.48 -2.33 -0.07 | 28.37 -1.74 -0.67 |
| GOODYEAR_LAKE_HYD 323669 | 36.04 1.49 -0.01 | 32.02 1.32 -0.01 | 29.30 1.21 -0.01 | 29.29 1.18 -0.01 | 29.38 1.18 -0.01 | 29.05 1.12 0.00 | 30.22 2.00 0.00 | 33.94 2.25 0.00 | 35.50 2.29 -0.01 | 35.82 1.87 -1.76 | 40.74 2.23 -2.50 | 39.87 1.71 -2.57 | 45.65 1.92 -8.88 | 43.14 1.72 -8.41 | 44.28 1.80 -5.00 | 48.38 2.03 -10.81 | 42.19 1.94 -5.58 | 51.52 2.41 -7.51 | 40.06 1.61 -1.90 | 55.09 2.21 -4.92 | 59.62 2.36 -8.07 | 41.53 1.70 -3.73 | 38.46 1.65 -3.07 | 34.34 1.38 -3.51 |

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| GOUDEY___1 345031 | 34.95 0.38 -0.02 | 31.09 0.37 -0.02 | 28.45 0.34 -0.02 | 28.43 0.31 -0.02 | 28.50 0.28 -0.02 | 28.24 0.31 0.00 | 28.59 0.37 0.00 | 32.02 0.32 -0.01 | 33.63 0.40 -0.02 | 36.69 0.32 -4.19 | 46.00 0.40 -9.60 | 45.76 0.28 -9.88 | 56.22 0.28 -21.08 | 53.28 0.30 -19.96 | 56.86 0.34 -19.05 | 61.57 0.36 -25.67 | 47.68 0.35 -12.66 | 59.81 0.42 -17.80 | 41.21 0.51 -4.14 | 61.48 0.72 -12.80 | 70.30 0.79 -20.33 | 44.84 0.58 -8.16 | 38.31 0.54 -4.03 | 33.90 0.44 -4.02 |
| GOUDEY___7 23579 | 34.95 0.38 -0.02 | 31.09 0.37 -0.02 | 28.45 0.34 -0.02 | 28.43 0.31 -0.02 | 28.50 0.28 -0.02 | 28.24 0.31 0.00 | 28.59 0.37 0.00 | 32.02 0.32 -0.01 | 33.63 0.40 -0.02 | 36.69 0.32 -4.19 | 46.00 0.40 -9.60 | 45.76 0.28 -9.88 | 56.22 0.28 -21.08 | 53.28 0.30 -19.96 | 56.86 0.34 -19.05 | 61.57 0.36 -25.67 | 47.68 0.35 -12.66 | 59.81 0.42 -17.80 | 41.21 0.51 -4.14 | 61.48 0.72 -12.80 | 70.30 0.79 -20.33 | 44.84 0.58 -8.16 | 38.31 0.54 -4.03 | 33.90 0.44 -4.02 |
| GOUDEY___8 23580 | 34.95 0.38 -0.02 | 31.09 0.37 -0.02 | 28.45 0.34 -0.02 | 28.43 0.31 -0.02 | 28.50 0.28 -0.02 | 28.24 0.31 0.00 | 28.59 0.37 0.00 | 32.02 0.32 -0.01 | 33.63 0.40 -0.02 | 36.69 0.32 -4.19 | 46.00 0.40 -9.60 | 45.76 0.28 -9.88 | 56.22 0.28 -21.08 | 53.28 0.30 -19.96 | 56.86 0.34 -19.05 | 61.57 0.36 -25.67 | 47.68 0.35 -12.66 | 59.81 0.42 -17.80 | 41.21 0.51 -4.14 | 61.48 0.72 -12.80 | 70.30 0.79 -20.33 | 44.84 0.58 -8.16 | 38.31 0.54 -4.03 | 33.90 0.44 -4.02 |
| GOWANUS_GT1_1 24077 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT1_2 24078 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT1_3 24079 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT1_4 24080 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT1_5 24084 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT1_6 24111 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT1_7 24112 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT1_8 24113 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT2_1 24114 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT2_2 24115 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT2_3 24116 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT2_4 24117 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|
| GOWANUS_GT2_5 24118 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT2_6 24119 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT2_7 24120 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT2_8 24121 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_1 24122 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_2 24123 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_3 24124 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_4 24125 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_5 24126 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_6 24127 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_7 24128 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT3_8 24129 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| GOWANUS_GT4_1 24130 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT4_2 24131 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT4_3 24132 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT4_4 24133 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT4_5 24134 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT4_6 24135 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT4_7 24136 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GOWANUS_GT4_8 24137 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GREENBSH_115KV_TB3 55895 | 35.52 0.97 0.00 | 31.77 1.07 0.00 | 29.13 1.04 0.00 | 29.14 1.04 0.00 | 29.18 0.99 0.00 | 28.85 0.92 0.00 | 28.98 0.76 0.00 | 32.55 0.86 0.00 | 34.14 0.93 0.00 | 33.15 0.97 0.00 | 37.05 1.04 0.00 | 36.70 1.10 0.00 | 35.94 1.08 0.00 | 34.04 1.02 0.00 | 39.28 1.16 -0.64 | 36.72 1.17 0.00 | 35.71 1.04 0.00 | 42.88 1.29 0.00 | 45.56 1.13 -7.87 | 49.54 1.58 0.00 | 59.34 1.33 -8.83 | 52.41 1.05 -15.25 | 42.39 1.08 -7.57 | 41.09 0.85 -10.80 |
| GREENDGE_115KV_TB5 80291 | 33.66 -0.86 0.02 | 29.90 -0.77 0.02 | 27.33 -0.73 0.02 | 27.29 -0.79 0.02 | 27.41 -0.76 0.02 | 27.32 -0.61 0.00 | 27.71 -0.51 0.00 | 30.89 -0.79 0.01 | 32.39 -0.80 0.02 | 27.50 -1.09 3.59 | 23.75 -1.19 11.06 | 22.75 -1.46 11.38 | 15.37 -1.39 18.10 | 14.59 -1.29 17.14 | 14.40 -1.46 21.62 | 12.19 -1.32 22.04 | 35.54 -1.11 -1.97 | 44.63 -1.21 -4.24 | 44.17 -0.95 -8.57 | 51.69 -1.20 -4.93 | 56.52 -1.18 -8.51 | 34.78 -0.76 0.57 | 32.54 -0.81 0.39 | 29.42 -0.71 -0.69 |
| GREENIDGE___3 23582 | 33.66 -0.86 0.02 | 29.90 -0.77 0.02 | 27.33 -0.73 0.02 | 27.29 -0.79 0.02 | 27.41 -0.76 0.02 | 27.32 -0.61 0.00 | 27.71 -0.51 0.00 | 30.89 -0.79 0.01 | 32.39 -0.80 0.02 | 27.50 -1.09 3.59 | 23.75 -1.19 11.06 | 22.75 -1.46 11.38 | 15.37 -1.39 18.10 | 14.59 -1.29 17.14 | 14.40 -1.46 21.62 | 12.19 -1.32 22.04 | 35.54 -1.11 -1.97 | 44.63 -1.21 -4.24 | 44.17 -0.95 -8.57 | 51.69 -1.20 -4.93 | 56.52 -1.18 -8.51 | 34.78 -0.76 0.57 | 32.54 -0.81 0.39 | 29.42 -0.71 -0.69 |
| GREENIDGE___4 23583 | 33.63 -0.90 0.02 | 29.87 -0.80 0.02 | 27.33 -0.73 0.02 | 27.29 -0.79 0.02 | 27.41 -0.76 0.02 | 27.29 -0.64 0.00 | 27.66 -0.56 0.00 | 30.89 -0.79 0.01 | 32.35 -0.83 0.03 | 27.46 -1.13 3.60 | 23.55 -1.19 11.26 | 22.54 -1.46 11.59 | 15.32 -1.40 18.14 | 14.55 -1.29 17.18 | 14.00 -1.46 22.01 | 12.14 -1.31 22.10 | 33.10 -1.11 0.46 | 40.75 -1.21 -0.36 | 44.12 -0.95 -8.52 | 52.10 -1.15 -5.29 | 56.90 -1.18 -8.89 | 34.69 -0.76 0.66 | 32.60 -0.81 0.33 | 29.40 -0.73 -0.69 |
| GREENLWN_69_KV_BK 3 55738 | 37.22 2.66 -0.01 | 33.00 2.30 0.00 | 30.17 2.08 0.00 | 30.19 2.08 -0.01 | 30.23 2.03 -0.01 | 29.97 2.04 0.00 | 30.37 2.14 -0.01 | 34.23 2.54 -0.01 | 36.04 2.82 -0.01 | 35.60 2.86 -0.55 | 42.74 3.13 -3.60 | 42.43 3.17 -3.67 | 47.14 3.03 -9.24 | 49.53 2.81 -13.70 | 47.98 3.34 -7.16 | 47.97 3.31 -9.12 | 45.30 3.12 -7.51 | 49.80 3.62 -4.59 | 49.72 3.25 -9.91 | 53.41 3.93 -1.52 | 63.58 4.52 -9.87 | 53.01 3.00 -13.91 | 43.85 3.17 -6.93 | 41.67 2.68 -9.56 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |
| GRISSOM___SOLAR 323813 | 36.56 2.00 0.00 | 32.51 1.81 0.00 | 29.69 1.60 0.00 | 29.76 1.66 0.00 | 29.80 1.61 0.00 | 29.49 1.56 0.00 | 29.86 1.64 0.00 | 33.34 1.65 0.00 | 34.57 1.36 0.00 | 33.81 1.10 -0.53 | 38.18 1.15 -1.02 | 37.75 1.10 -1.05 | 38.71 1.19 -2.67 | 36.70 1.16 -2.53 | 41.48 1.31 -2.69 | 40.22 1.42 -3.25 | 37.56 1.39 -1.50 | 45.67 2.04 -2.04 | 47.34 2.01 -8.78 | 52.19 2.93 -1.31 | 63.62 3.00 -11.44 | 55.27 2.13 -17.03 | 44.16 1.99 -8.43 | 42.88 1.71 -11.74 |
| GROVEVILLE___HYD 323602 | 36.83 2.28 0.00 | 32.66 1.96 0.00 | 29.91 1.83 0.00 | 29.93 1.83 0.00 | 29.94 1.75 0.00 | 29.69 1.76 0.00 | 30.00 1.78 0.00 | 33.85 2.15 0.00 | 35.67 2.46 0.00 | 35.25 2.54 -0.52 | 38.63 2.63 0.00 | 38.19 2.60 0.00 | 39.95 2.48 -2.62 | 37.91 2.41 -2.48 | 40.82 2.77 -0.57 | 41.50 2.77 -3.19 | 38.59 2.46 -1.46 | 46.29 2.95 -1.74 | 46.60 2.78 -7.28 | 53.24 3.84 -1.45 | 63.19 4.18 -9.82 | 52.99 2.92 -13.95 | 43.30 2.63 -6.92 | 41.17 2.18 -9.56 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 34.55 0.00 0.00 | 30.69 0.00 0.00 | 28.06 -0.03 0.00 | 28.04 -0.06 0.00 | 28.16 -0.03 0.00 | 27.93 0.00 0.00 | 28.22 0.00 0.00 | 31.53 -0.16 0.00 | 32.97 -0.23 0.00 | 31.08 -0.26 0.85 | 34.50 -0.25 1.25 | 33.95 -0.36 1.29 | 30.26 -0.31 4.29 | 28.70 -0.26 4.06 | 34.79 -0.30 2.39 | 29.97 -0.36 5.22 | 33.27 -0.31 1.09 | 40.10 -0.37 1.12 | 36.93 -0.11 -0.49 | 47.00 -0.19 0.77 | 49.01 -0.10 0.08 | 36.96 -0.07 -0.92 | 34.00 -0.07 -0.33 | 30.35 0.03 -0.88 |
| HAMLTNNY_34_KV_TB 80303 | 34.51 -0.03 0.00 | 30.63 -0.06 0.00 | 28.03 -0.06 0.00 | 28.01 -0.08 0.00 | 28.13 -0.06 0.00 | 27.93 0.00 0.00 | 28.22 0.00 0.00 | 31.53 -0.16 0.00 | 32.94 -0.27 0.00 | 30.90 -0.32 0.97 | 34.01 -0.32 1.67 | 33.41 -0.46 1.72 | 29.58 -0.42 4.86 | 28.05 -0.36 4.61 | 33.89 -0.37 3.21 | 29.20 -0.43 5.92 | 32.89 -0.35 1.43 | 39.54 -0.42 1.63 | 36.85 -0.18 -0.48 | 46.56 -0.29 1.11 | 48.48 -0.20 0.51 | 36.90 -0.11 -0.90 | 33.93 -0.13 -0.32 | 30.31 -0.03 -0.90 |

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| HAMPSHIRE___PAPER_HYD 323593 | 33.13 -1.42 0.00 | 29.41 -1.29 0.00 | 26.77 -1.32 0.00 | 26.75 -1.35 0.00 | 26.92 -1.27 0.00 | 26.59 -1.34 0.00 | 26.92 -1.30 0.00 | 30.08 -1.62 0.00 | 31.45 -1.76 0.00 | 30.48 -1.71 0.00 | 34.17 -1.83 0.00 | 33.67 -1.92 0.00 | 32.98 -1.88 0.00 | 31.17 -1.85 0.00 | 35.36 -2.13 -0.02 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.64 -1.95 0.00 | 35.38 -1.39 -0.22 | 46.28 -1.68 0.00 | 47.76 -1.67 -0.25 | 35.27 -1.26 -0.43 | 32.91 -1.05 -0.21 | 28.80 -0.94 -0.30 |
| HARDSCRABBLE_WT_PWR 323673 | 35.00 0.45 0.00 | 31.09 0.40 0.00 | 28.43 0.34 0.00 | 28.41 0.31 0.00 | 28.45 0.25 0.00 | 28.07 0.14 0.00 | 28.19 -0.03 0.00 | 31.69 0.00 0.00 | 33.27 0.07 0.00 | 32.28 0.10 0.00 | 36.22 0.22 0.00 | 35.74 0.14 0.00 | 35.04 0.18 0.00 | 33.19 0.17 0.00 | 37.63 0.15 -0.01 | 35.69 0.14 0.00 | 34.77 0.10 0.00 | 41.72 0.13 0.00 | 36.55 0.00 0.00 | 47.81 -0.14 0.00 | 48.94 -0.24 0.00 | 35.86 -0.25 0.00 | 33.67 -0.07 0.00 | 29.38 -0.06 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 36.56 2.00 0.00 | 32.39 1.69 0.00 | 29.66 1.57 0.00 | 29.68 1.57 0.00 | 29.69 1.49 0.00 | 29.44 1.51 0.00 | 29.77 1.55 0.00 | 33.59 1.90 0.00 | 35.37 2.16 0.00 | 35.06 2.29 -0.58 | 39.34 2.38 -0.96 | 39.00 2.42 -0.99 | 40.14 2.34 -2.94 | 38.05 2.25 -2.79 | 42.53 2.62 -2.43 | 41.72 2.59 -3.58 | 38.70 2.39 -1.64 | 46.66 2.87 -2.19 | 46.09 2.60 -6.94 | 53.19 3.60 -1.63 | 63.00 4.03 -9.79 | 52.40 2.78 -13.51 | 42.92 2.50 -6.68 | 40.72 2.03 -9.25 |
| HARSNRAD_115KV_TB1 81005 | 31.46 -3.08 0.02 | 27.80 -2.89 0.02 | 25.46 -2.61 0.02 | 25.45 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.10 -2.12 0.00 | 28.99 -2.69 0.01 | 30.20 -2.99 0.02 | 26.52 -3.61 2.06 | 25.48 -3.82 6.71 | 24.64 -3.99 6.97 | 20.56 -3.87 10.43 | 19.56 -3.57 9.90 | 20.18 -4.08 13.21 | 19.13 -3.70 12.72 | 23.37 -3.12 8.18 | 25.62 -3.66 12.31 | 28.21 -3.95 4.39 | 33.84 -5.42 8.70 | 32.79 -5.51 10.89 | 32.22 -4.12 -0.23 | 29.98 -3.75 0.01 | 27.12 -2.97 -0.65 |
| HARZA MOOSE___RIVER 24016 | 34.41 -0.14 0.00 | 30.51 -0.18 0.00 | 27.81 -0.28 0.00 | 27.74 -0.37 0.00 | 27.91 -0.28 0.00 | 27.51 -0.42 0.00 | 27.85 -0.37 0.00 | 31.18 -0.51 0.00 | 32.61 -0.60 0.00 | 31.51 -0.68 0.00 | 35.46 -0.54 0.00 | 34.81 -0.78 0.00 | 34.20 -0.66 0.00 | 32.29 -0.73 0.00 | 36.61 -0.90 -0.03 | 34.91 -0.64 0.00 | 34.12 -0.55 0.00 | 41.05 -0.54 0.00 | 36.87 -0.04 -0.36 | 48.01 0.05 0.00 | 49.73 0.15 -0.40 | 36.91 0.11 -0.69 | 34.34 0.30 -0.29 | 30.09 0.24 -0.42 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 34.34 -0.21 0.00 | 30.48 -0.21 0.00 | 27.89 -0.20 0.00 | 27.88 -0.22 0.00 | 27.97 -0.23 0.00 | 27.73 -0.20 0.00 | 28.05 -0.17 0.00 | 31.31 -0.38 0.00 | 32.74 -0.46 0.00 | 30.97 -0.52 0.70 | 35.46 -0.54 0.00 | 34.95 -0.64 0.00 | 30.74 -0.59 3.53 | 29.15 -0.53 3.34 | 36.94 -0.60 -0.07 | 30.61 -0.64 4.29 | 32.15 -0.55 1.97 | 38.53 -0.71 2.35 | 36.65 -0.40 -0.50 | 45.47 -0.53 1.96 | 46.89 -0.49 1.81 | 36.73 -0.32 -0.95 | 33.75 -0.34 -0.34 | 30.14 -0.21 -0.91 |
| HELLGATE_13_KV_LD 55870 | 36.94 2.38 0.00 | 32.69 2.00 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.94 1.75 0.00 | 29.69 1.76 0.00 | 29.97 1.75 0.00 | 33.81 2.12 0.00 | 35.63 2.42 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.86 3.45 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.92 4.87 -9.87 | 53.44 3.43 -13.91 | 43.60 2.94 -6.92 | 41.43 2.44 -9.55 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 36.94 2.38 0.00 | 32.69 2.00 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.94 1.75 0.00 | 29.69 1.76 0.00 | 29.97 1.75 0.00 | 33.81 2.12 0.00 | 35.63 2.42 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.86 3.45 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.92 4.87 -9.87 | 53.44 3.43 -13.91 | 43.60 2.94 -6.92 | 41.43 2.44 -9.55 |
| HEMPSTEAD____ 23647 | 37.33 2.77 -0.01 | 33.15 2.46 0.00 | 30.28 2.19 0.00 | 30.33 2.22 -0.01 | 30.32 2.12 -0.01 | 30.11 2.18 0.00 | 30.46 2.23 -0.01 | 34.30 2.60 -0.01 | 36.17 2.95 -0.01 | 35.70 2.96 -0.55 | 44.26 3.24 -5.02 | 43.98 3.27 -5.11 | 49.83 3.17 -11.80 | 54.07 2.97 -18.07 | 50.72 3.49 -9.76 | 50.38 3.45 -11.39 | 47.77 3.22 -9.87 | 51.10 3.82 -5.69 | 51.07 3.47 -11.04 | 54.04 4.56 -1.52 | 64.27 5.16 -9.93 | 53.60 3.50 -13.99 | 43.99 3.31 -6.94 | 41.82 2.83 -9.56 |
| HICKLING___1 23621 | 33.20 -1.31 0.04 | 29.58 -1.07 0.04 | 27.04 -1.01 0.04 | 27.02 -1.04 0.04 | 27.08 -1.07 0.04 | 26.92 -1.01 0.00 | 27.40 -0.82 0.00 | 30.50 -1.17 0.02 | 32.27 -0.90 0.04 | 25.42 -1.16 5.61 | 16.56 -1.22 18.21 | 15.35 -1.49 18.74 | 5.14 -1.46 28.26 | 4.91 -1.35 26.76 | 0.30 -1.54 35.64 | -0.22 -1.35 34.41 | 20.21 -1.35 13.11 | 20.97 -1.58 19.04 | 37.85 -1.21 -2.50 | 34.24 -1.34 12.37 | 32.58 -1.33 15.28 | 33.32 -0.94 1.85 | 31.76 -0.98 1.01 | 28.90 -0.97 -0.44 |
| HICKLING___2 23622 | 33.20 -1.31 0.04 | 29.58 -1.07 0.04 | 27.04 -1.01 0.04 | 27.02 -1.04 0.04 | 27.08 -1.07 0.04 | 26.92 -1.01 0.00 | 27.40 -0.82 0.00 | 30.50 -1.17 0.02 | 32.27 -0.90 0.04 | 25.42 -1.16 5.61 | 16.56 -1.22 18.21 | 15.35 -1.49 18.74 | 5.14 -1.46 28.26 | 4.91 -1.35 26.76 | 0.30 -1.54 35.64 | -0.22 -1.35 34.41 | 20.21 -1.35 13.11 | 20.97 -1.58 19.04 | 37.85 -1.21 -2.50 | 34.24 -1.34 12.37 | 32.58 -1.33 15.28 | 33.32 -0.94 1.85 | 31.76 -0.98 1.01 | 28.90 -0.97 -0.44 |
| HIGH FALLS___HY 23754 | 36.90 2.35 0.00 | 32.66 1.96 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 30.00 1.80 0.00 | 29.72 1.79 0.00 | 30.08 1.86 0.00 | 33.94 2.25 0.00 | 35.77 2.56 0.00 | 35.34 2.61 -0.55 | 38.60 2.59 0.00 | 38.12 2.53 0.00 | 40.02 2.41 -2.75 | 37.97 2.34 -2.61 | 40.74 2.70 -0.57 | 41.64 2.74 -3.35 | 38.63 2.43 -1.54 | 46.34 2.91 -1.84 | 46.56 2.81 -7.20 | 53.42 3.93 -1.53 | 63.45 4.43 -9.84 | 53.00 3.07 -13.82 | 43.46 2.80 -6.92 | 41.27 2.30 -9.53 |
| HIGH_RIVER___SOLAR 323847 | 36.11 1.56 0.00 | 32.08 1.38 0.00 | 29.35 1.27 0.00 | 29.37 1.27 0.00 | 29.43 1.24 0.00 | 29.13 1.20 0.00 | 29.46 1.24 0.00 | 33.05 1.36 0.00 | 34.37 1.16 0.00 | 33.60 0.96 -0.45 | 36.98 0.97 0.00 | 36.66 1.07 0.00 | 38.31 1.19 -2.27 | 36.29 1.12 -2.15 | 39.42 1.27 -0.67 | 39.62 1.32 -2.76 | 37.30 1.35 -1.28 | 44.95 1.83 -1.53 | 46.76 1.68 -8.53 | 51.42 2.30 -1.16 | 62.48 2.31 -10.98 | 54.35 1.70 -16.55 | 43.49 1.55 -8.19 | 42.19 1.33 -11.43 |
| HILLBURN___GT 23639 | 36.62 2.07 0.00 | 32.51 1.81 0.00 | 29.72 1.63 0.00 | 29.76 1.66 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.62 1.93 0.00 | 35.50 2.29 0.00 | 35.08 2.32 -0.57 | 38.52 2.52 0.00 | 38.23 2.63 0.00 | 40.28 2.54 -2.88 | 38.15 2.41 -2.72 | 40.84 2.81 -0.55 | 41.82 2.77 -3.50 | 38.88 2.60 -1.61 | 46.60 3.08 -1.93 | 46.22 2.67 -7.00 | 53.28 3.69 -1.63 | 63.14 4.13 -9.82 | 52.54 2.85 -13.58 | 43.00 2.53 -6.72 | 40.79 2.12 -9.24 |
| HILLSIDE_115KV_TB1 80332 | 32.81 -1.69 0.05 | 29.24 -1.41 0.05 | 26.72 -1.32 0.05 | 26.71 -1.35 0.05 | 26.76 -1.38 0.05 | 26.59 -1.34 0.00 | 27.06 -1.16 0.00 | 30.15 -1.52 0.02 | 31.93 -1.23 0.05 | 24.05 -1.51 6.63 | 13.50 -1.62 20.88 | 12.25 -1.85 21.49 | -0.30 -1.78 33.38 | -0.28 -1.68 31.62 | -5.27 -1.87 40.87 | -6.82 -1.71 40.66 | 16.80 -1.70 16.17 | 16.19 -2.00 23.41 | 36.37 -1.57 -1.39 | 30.68 -1.82 15.46 | 27.89 -1.82 19.47 | 32.18 -1.30 2.63 | 31.07 -1.28 1.39 | 28.43 -1.30 -0.28 |

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| HISHELDN_WT_PWR 323625 | 31.87 -2.66 0.02 | 28.19 -2.49 0.02 | 25.88 -2.19 0.02 | 25.83 -2.25 0.02 | 25.97 -2.20 0.02 | 25.81 -2.12 0.00 | 26.33 -1.89 0.00 | 29.33 -2.34 0.01 | 30.86 -2.33 0.02 | 26.65 -2.86 2.68 | 23.61 -2.99 9.40 | 22.67 -3.24 9.69 | 18.17 -3.21 13.48 | 17.21 -3.04 12.77 | 15.60 -3.48 18.39 | 16.00 -3.13 16.42 | 20.07 -2.91 11.69 | 20.43 -3.37 17.79 | 17.04 -3.29 16.22 | 35.68 -4.17 8.10 | 34.94 -4.23 10.02 | 32.90 -3.03 0.17 | 30.75 -2.90 0.09 | 27.55 -2.53 -0.64 |
| HOLTSVILLE_IC_1 23690 | 37.77 3.21 -0.01 | 33.52 2.82 0.00 | 30.59 2.50 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.44 2.51 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.17 3.63 -3.53 | 42.71 3.52 -3.60 | 47.34 3.38 -9.10 | 49.63 3.14 -13.47 | 48.22 3.71 -7.03 | 48.19 3.66 -8.98 | 45.56 3.50 -7.39 | 50.25 4.12 -4.54 | 50.19 3.73 -9.91 | 54.22 4.75 -1.52 | 64.27 5.16 -9.92 | 53.53 3.43 -13.99 | 44.15 3.48 -6.93 | 42.11 3.12 -9.56 |
| HOLTSVILLE_IC_10 23699 | 37.98 3.42 -0.01 | 33.71 3.01 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.79 2.59 -0.01 | 30.58 2.65 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.74 3.52 -0.01 | 36.21 3.48 -0.55 | 43.37 3.81 -3.55 | 42.95 3.74 -3.62 | 47.59 3.59 -9.14 | 49.88 3.33 -13.53 | 48.48 3.93 -7.07 | 48.44 3.87 -9.02 | 45.81 3.71 -7.43 | 50.55 4.41 -4.55 | 50.49 4.02 -9.92 | 54.61 5.13 -1.52 | 64.66 5.56 -9.92 | 53.81 3.72 -13.99 | 44.35 3.68 -6.93 | 42.29 3.30 -9.56 |
| HOLTSVILLE_IC_2 23691 | 37.77 3.21 -0.01 | 33.52 2.82 0.00 | 30.59 2.50 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.44 2.51 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.17 3.63 -3.53 | 42.71 3.52 -3.60 | 47.34 3.38 -9.10 | 49.63 3.14 -13.47 | 48.22 3.71 -7.03 | 48.19 3.66 -8.98 | 45.56 3.50 -7.39 | 50.25 4.12 -4.54 | 50.19 3.73 -9.91 | 54.22 4.75 -1.52 | 64.27 5.16 -9.92 | 53.53 3.43 -13.99 | 44.15 3.48 -6.93 | 42.11 3.12 -9.56 |
| HOLTSVILLE_IC_3 23692 | 37.77 3.21 -0.01 | 33.52 2.82 0.00 | 30.59 2.50 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.44 2.51 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.17 3.63 -3.53 | 42.71 3.52 -3.60 | 47.34 3.38 -9.10 | 49.63 3.14 -13.47 | 48.22 3.71 -7.03 | 48.19 3.66 -8.98 | 45.56 3.50 -7.39 | 50.25 4.12 -4.54 | 50.19 3.73 -9.91 | 54.22 4.75 -1.52 | 64.27 5.16 -9.92 | 53.53 3.43 -13.99 | 44.15 3.48 -6.93 | 42.11 3.12 -9.56 |
| HOLTSVILLE_IC_4 23693 | 37.77 3.21 -0.01 | 33.52 2.82 0.00 | 30.59 2.50 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.44 2.51 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.17 3.63 -3.53 | 42.71 3.52 -3.60 | 47.34 3.38 -9.10 | 49.63 3.14 -13.47 | 48.22 3.71 -7.03 | 48.19 3.66 -8.98 | 45.56 3.50 -7.39 | 50.25 4.12 -4.54 | 50.19 3.73 -9.91 | 54.22 4.75 -1.52 | 64.27 5.16 -9.92 | 53.53 3.43 -13.99 | 44.15 3.48 -6.93 | 42.11 3.12 -9.56 |
| HOLTSVILLE_IC_5 23694 | 37.77 3.21 -0.01 | 33.52 2.82 0.00 | 30.59 2.50 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.44 2.51 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.17 3.63 -3.53 | 42.71 3.52 -3.60 | 47.34 3.38 -9.10 | 49.63 3.14 -13.47 | 48.22 3.71 -7.03 | 48.19 3.66 -8.98 | 45.56 3.50 -7.39 | 50.25 4.12 -4.54 | 50.19 3.73 -9.91 | 54.22 4.75 -1.52 | 64.27 5.16 -9.92 | 53.53 3.43 -13.99 | 44.15 3.48 -6.93 | 42.11 3.12 -9.56 |
| HOLTSVILLE_IC_6 23695 | 37.98 3.42 -0.01 | 33.71 3.01 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.79 2.59 -0.01 | 30.58 2.65 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.74 3.52 -0.01 | 36.21 3.48 -0.55 | 43.37 3.81 -3.55 | 42.95 3.74 -3.62 | 47.59 3.59 -9.14 | 49.88 3.33 -13.53 | 48.48 3.93 -7.07 | 48.44 3.87 -9.02 | 45.81 3.71 -7.43 | 50.55 4.41 -4.55 | 50.49 4.02 -9.92 | 54.61 5.13 -1.52 | 64.66 5.56 -9.92 | 53.81 3.72 -13.99 | 44.35 3.68 -6.93 | 42.29 3.30 -9.56 |
| HOLTSVILLE_IC_7 23696 | 37.98 3.42 -0.01 | 33.71 3.01 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.79 2.59 -0.01 | 30.58 2.65 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.74 3.52 -0.01 | 36.21 3.48 -0.55 | 43.37 3.81 -3.55 | 42.95 3.74 -3.62 | 47.59 3.59 -9.14 | 49.88 3.33 -13.53 | 48.48 3.93 -7.07 | 48.44 3.87 -9.02 | 45.81 3.71 -7.43 | 50.55 4.41 -4.55 | 50.49 4.02 -9.92 | 54.61 5.13 -1.52 | 64.66 5.56 -9.92 | 53.81 3.72 -13.99 | 44.35 3.68 -6.93 | 42.29 3.30 -9.56 |
| HOLTSVILLE_IC_8 23697 | 37.98 3.42 -0.01 | 33.71 3.01 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.79 2.59 -0.01 | 30.58 2.65 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.74 3.52 -0.01 | 36.21 3.48 -0.55 | 43.37 3.81 -3.55 | 42.95 3.74 -3.62 | 47.59 3.59 -9.14 | 49.88 3.33 -13.53 | 48.48 3.93 -7.07 | 48.44 3.87 -9.02 | 45.81 3.71 -7.43 | 50.55 4.41 -4.55 | 50.49 4.02 -9.92 | 54.61 5.13 -1.52 | 64.66 5.56 -9.92 | 53.81 3.72 -13.99 | 44.35 3.68 -6.93 | 42.29 3.30 -9.56 |
| HOLTSVILLE_IC_9 23698 | 37.98 3.42 -0.01 | 33.71 3.01 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.79 2.59 -0.01 | 30.58 2.65 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.74 3.52 -0.01 | 36.21 3.48 -0.55 | 43.37 3.81 -3.55 | 42.95 3.74 -3.62 | 47.59 3.59 -9.14 | 49.88 3.33 -13.53 | 48.48 3.93 -7.07 | 48.44 3.87 -9.02 | 45.81 3.71 -7.43 | 50.55 4.41 -4.55 | 50.49 4.02 -9.92 | 54.61 5.13 -1.52 | 64.66 5.56 -9.92 | 53.81 3.72 -13.99 | 44.35 3.68 -6.93 | 42.29 3.30 -9.56 |
| HOMER_HL_115KV_TB2 355744 | 32.01 -2.52 0.02 | 28.86 -1.81 0.02 | 26.24 -1.83 0.02 | 26.34 -1.74 0.02 | 26.23 -1.95 0.02 | 25.75 -2.18 0.00 | 26.33 -1.89 0.00 | 29.33 -2.35 0.01 | 32.16 -1.03 0.02 | 27.99 -1.45 2.75 | 24.98 -1.44 9.58 | 24.01 -1.71 9.88 | 19.39 -1.60 13.87 | 18.39 -1.49 13.14 | 17.01 -1.72 18.75 | 17.16 -1.49 16.90 | 24.07 -2.22 8.38 | 26.57 -2.41 12.61 | 33.65 -1.61 1.30 | 37.43 -2.01 8.51 | 36.70 -2.07 10.42 | 34.74 -1.34 0.03 | 32.36 -1.25 0.13 | 28.52 -1.56 -0.65 |
| HOWARD_WT_PWR 323690 | 33.18 -1.35 0.03 | 29.41 -1.26 0.03 | 26.85 -1.21 0.03 | 26.78 -1.29 0.03 | 26.87 -1.30 0.03 | 26.65 -1.28 0.00 | 27.06 -1.16 0.00 | 30.16 -1.52 0.01 | 31.85 -1.33 0.03 | 26.78 -1.71 3.70 | 21.94 -1.76 12.30 | 20.76 -2.17 12.66 | 14.02 -2.20 18.64 | 13.22 -2.15 17.66 | 10.99 -2.44 24.05 | 10.71 -2.13 22.71 | 22.26 -1.97 10.43 | 23.93 -2.21 15.45 | 53.01 -1.79 -18.25 | 39.23 -2.06 6.66 | 39.32 -2.11 7.75 | 33.80 -1.62 0.68 | 31.58 -1.82 0.34 | 28.47 -1.62 -0.65 |
| HQ_GEN_CEDARS 23644 | 33.90 -0.66 0.00 | 30.14 -0.55 0.00 | 27.50 -0.59 0.00 | 27.54 -0.56 0.00 | 27.71 -0.48 0.00 | 27.48 -0.45 0.00 | 27.77 -0.45 0.00 | 31.12 -0.57 0.00 | 32.64 -0.56 0.00 | 31.67 -0.52 0.00 | 35.39 -0.61 0.00 | 35.06 -0.53 0.00 | 34.30 -0.56 0.00 | 32.46 -0.56 0.00 | 36.80 -0.67 0.00 | 34.94 -0.60 0.00 | 34.12 -0.55 0.00 | 40.97 -0.62 0.00 | 35.97 -0.58 0.00 | 47.24 -0.72 0.00 | 48.50 -0.69 0.00 | 35.53 -0.58 0.00 | 33.17 -0.57 0.00 | 28.88 -0.56 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 33.89 -0.66 0.00 | 30.14 -0.55 0.00 | 27.50 -0.59 0.00 | 27.54 -0.56 0.00 | 27.71 -0.48 0.00 | 27.46 -0.47 0.00 | 27.77 -0.45 0.00 | 31.12 -0.57 0.00 | 32.64 -0.56 0.00 | 31.67 -0.52 0.00 | 35.39 -0.61 0.00 | 35.06 -0.53 0.00 | 34.30 -0.56 0.00 | 32.46 -0.56 0.00 | 36.80 -0.67 0.00 | 34.94 -0.60 0.00 | 34.11 -0.56 0.00 | 40.93 -0.67 0.00 | 35.96 -0.59 0.00 | 47.24 -0.72 0.00 | 48.50 -0.69 0.00 | 35.53 -0.58 0.00 | 33.17 -0.57 0.00 | 28.88 -0.56 0.00 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|
| HQ_GEN_CHPE_PROXY 323851 | -5.00 2.21 41.77 | 32.57 1.87 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.58 1.65 0.00 | 29.85 1.64 0.01 | 33.67 2.00 0.02 | 35.55 2.36 0.02 | 35.12 2.42 -0.52 | 38.65 2.66 0.02 | 38.36 2.78 0.02 | 40.23 2.68 -2.69 | 38.11 2.54 -2.55 | 40.98 2.96 -0.55 | 41.77 2.95 -3.28 | 38.88 2.71 -1.50 | 46.64 3.25 -1.80 | 46.70 2.96 -7.19 | 53.43 3.98 -1.49 | 63.87 4.77 -9.91 | 53.41 3.32 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| HQ_GEN_IMPORT 323601 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.86 -0.23 0.00 | 27.91 -0.20 0.00 | 28.00 -0.20 0.00 | 27.74 -0.19 0.00 | 28.05 -0.17 0.00 | 31.50 -0.19 0.00 | 33.01 -0.20 0.00 | 32.03 -0.16 0.00 | 35.79 -0.21 0.00 | 35.42 -0.18 0.00 | 34.65 -0.21 0.00 | 32.82 -0.20 0.00 | 37.25 -0.22 0.00 | 35.33 -0.21 0.00 | 34.46 -0.21 0.00 | 41.34 -0.25 0.00 | 36.33 -0.22 0.00 | 47.67 -0.29 0.00 | 48.89 -0.29 0.00 | 35.86 -0.25 0.00 | 33.51 -0.23 0.00 | 29.20 -0.24 0.00 |
| HQ_GEN_WHEEL 23651 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.86 -0.23 0.00 | 27.91 -0.20 0.00 | 28.00 -0.20 0.00 | 27.74 -0.19 0.00 | 28.05 -0.17 0.00 | 31.50 -0.19 0.00 | 33.01 -0.20 0.00 | 32.03 -0.16 0.00 | 35.79 -0.21 0.00 | 35.42 -0.18 0.00 | 34.65 -0.21 0.00 | 32.82 -0.20 0.00 | 37.25 -0.22 0.00 | 35.33 -0.21 0.00 | 34.46 -0.21 0.00 | 41.34 -0.25 0.00 | 36.33 -0.22 0.00 | 47.67 -0.29 0.00 | 48.89 -0.29 0.00 | 35.86 -0.25 0.00 | 33.51 -0.23 0.00 | 29.20 -0.24 0.00 |
| HUDSON_AVE_GT_3 23810 | 36.80 2.25 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.58 1.65 0.00 | 29.91 1.69 0.00 | 33.78 2.09 0.00 | 35.60 2.39 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.40 2.82 -2.72 | 38.27 2.67 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.86 3.45 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.97 4.92 -9.86 | 53.44 3.43 -13.91 | 43.64 2.97 -6.92 | 41.43 2.44 -9.55 |
| HUDSON_AVE_GT_4 23540 | 36.80 2.25 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.58 1.65 0.00 | 29.91 1.69 0.00 | 33.78 2.09 0.00 | 35.60 2.39 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.40 2.82 -2.72 | 38.27 2.67 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.86 3.45 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.97 4.92 -9.86 | 53.44 3.43 -13.91 | 43.64 2.97 -6.92 | 41.43 2.44 -9.55 |
| HUDSON_AVE_GT_5 23657 | 36.80 2.25 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.58 1.65 0.00 | 29.91 1.69 0.00 | 33.78 2.09 0.00 | 35.60 2.39 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.40 2.82 -2.72 | 38.27 2.67 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.86 3.45 -1.81 | 46.78 3.07 -7.16 | 53.59 4.12 -1.51 | 63.97 4.92 -9.86 | 53.44 3.43 -13.91 | 43.64 2.97 -6.92 | 41.43 2.44 -9.55 |
| HUDSON_AVE_I0 24168 | 36.62 2.07 0.01 | 32.38 1.69 0.00 | 29.66 1.57 0.00 | 29.68 1.57 0.00 | 29.69 1.49 0.00 | 29.47 1.54 0.00 | 29.83 1.61 0.00 | 33.69 2.00 0.00 | 35.47 2.26 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.23 2.65 -2.72 | 38.10 2.51 -2.57 | 40.96 2.92 -0.56 | 41.81 2.95 -3.31 | 38.86 2.67 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.72 4.67 -9.86 | 53.33 3.32 -13.91 | 43.50 2.83 -6.92 | 41.31 2.33 -9.55 |
| HUDSON___115KV_TB 4 355613 | 36.18 1.62 0.00 | 32.29 1.60 0.00 | 29.60 1.52 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.35 1.42 0.00 | 29.49 1.27 0.00 | 33.08 1.39 0.00 | 34.64 1.43 0.00 | 33.98 1.38 -0.40 | 37.34 1.33 0.00 | 36.91 1.32 0.00 | 38.15 1.25 -2.04 | 36.17 1.22 -1.93 | 39.35 1.24 -0.63 | 39.45 1.42 -2.48 | 37.12 1.32 -1.13 | 44.70 1.75 -1.36 | 46.04 1.54 -7.96 | 51.53 2.45 -1.13 | 61.58 2.11 -10.28 | 53.07 1.55 -15.42 | 42.91 1.52 -7.65 | 41.34 1.24 -10.67 |
| HUNTER MOUNT___DRP 323613 | 36.31 1.76 0.00 | 32.45 1.75 0.00 | 29.72 1.63 0.00 | 29.76 1.66 0.00 | 29.80 1.61 0.00 | 29.47 1.54 0.00 | 29.60 1.38 0.00 | 33.21 1.52 0.00 | 34.80 1.59 0.00 | 34.12 1.51 -0.42 | 37.41 1.40 0.00 | 36.91 1.32 0.00 | 38.23 1.25 -2.12 | 36.25 1.22 -2.00 | 39.19 1.09 -0.63 | 39.58 1.46 -2.58 | 37.17 1.32 -1.18 | 44.75 1.75 -1.41 | 45.88 1.46 -7.86 | 51.77 2.64 -1.17 | 61.47 2.07 -10.22 | 52.84 1.52 -15.22 | 42.79 1.48 -7.56 | 41.17 1.21 -10.52 |
| HUNTINGTON_RES_REC 323705 | 37.19 2.62 -0.01 | 33.03 2.33 0.00 | 30.14 2.05 0.00 | 30.19 2.08 -0.01 | 30.20 2.00 -0.01 | 30.00 2.07 0.00 | 30.35 2.12 -0.01 | 34.17 2.47 -0.01 | 36.01 2.79 -0.01 | 35.50 2.77 -0.55 | 42.60 3.02 -3.57 | 42.29 3.06 -3.63 | 46.96 2.93 -9.17 | 49.31 2.71 -13.58 | 47.80 3.22 -7.10 | 47.79 3.20 -9.04 | 45.14 3.01 -7.45 | 49.65 3.49 -4.57 | 49.66 3.18 -9.93 | 53.26 3.79 -1.52 | 63.48 4.38 -9.92 | 52.98 2.89 -13.99 | 43.75 3.07 -6.93 | 41.67 2.68 -9.56 |
| HUNTLEY___63 23557 | 31.53 -3.01 0.02 | 27.79 -2.89 0.02 | 25.49 -2.58 0.02 | 25.44 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.12 -2.09 0.01 | 29.04 -2.63 0.02 | 30.40 -2.79 0.02 | 26.54 -3.44 2.20 | 25.23 -3.60 7.18 | 24.38 -3.81 7.41 | 20.05 -3.70 11.11 | 19.09 -3.40 10.53 | 19.53 -3.90 14.05 | 18.49 -3.52 13.54 | 23.08 -3.29 8.29 | 25.33 -3.83 12.43 | 27.93 -3.80 4.82 | 33.70 -5.52 8.74 | 32.72 -5.56 10.91 | 32.23 -4.04 -0.16 | 30.05 -3.64 0.05 | 27.20 -2.88 -0.65 |
| HUNTLEY___64 23558 | 31.53 -3.01 0.02 | 27.79 -2.89 0.02 | 25.49 -2.58 0.02 | 25.44 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.12 -2.09 0.01 | 29.04 -2.63 0.02 | 30.40 -2.79 0.02 | 26.54 -3.44 2.20 | 25.23 -3.60 7.18 | 24.38 -3.81 7.41 | 20.05 -3.70 11.11 | 19.09 -3.40 10.53 | 19.53 -3.90 14.05 | 18.49 -3.52 13.54 | 23.08 -3.29 8.29 | 25.33 -3.83 12.43 | 27.93 -3.80 4.82 | 33.70 -5.52 8.74 | 32.72 -5.56 10.91 | 32.23 -4.04 -0.16 | 30.05 -3.64 0.05 | 27.20 -2.88 -0.65 |
| HUNTLEY___65 23559 | 31.53 -3.01 0.02 | 27.79 -2.89 0.02 | 25.49 -2.58 0.02 | 25.44 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.12 -2.09 0.01 | 29.04 -2.63 0.02 | 30.40 -2.79 0.02 | 26.54 -3.44 2.20 | 25.23 -3.60 7.18 | 24.38 -3.81 7.41 | 20.05 -3.70 11.11 | 19.09 -3.40 10.53 | 19.53 -3.90 14.05 | 18.49 -3.52 13.54 | 23.08 -3.29 8.29 | 25.33 -3.83 12.43 | 27.93 -3.80 4.82 | 33.70 -5.52 8.74 | 32.72 -5.56 10.91 | 32.23 -4.04 -0.16 | 30.05 -3.64 0.05 | 27.20 -2.88 -0.65 |
| HUNTLEY___66 23560 | 31.53 -3.01 0.02 | 27.79 -2.89 0.02 | 25.49 -2.58 0.02 | 25.44 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.12 -2.09 0.01 | 29.04 -2.63 0.02 | 30.40 -2.79 0.02 | 26.54 -3.44 2.20 | 25.23 -3.60 7.18 | 24.38 -3.81 7.41 | 20.05 -3.70 11.11 | 19.09 -3.40 10.53 | 19.53 -3.90 14.05 | 18.49 -3.52 13.54 | 23.08 -3.29 8.29 | 25.33 -3.83 12.43 | 27.93 -3.80 4.82 | 33.70 -5.52 8.74 | 32.72 -5.56 10.91 | 32.23 -4.04 -0.16 | 30.05 -3.64 0.05 | 27.20 -2.88 -0.65 |
| HUNTLEY___67 23561 | 31.60 -2.94 0.02 | 27.89 -2.79 0.02 | 25.54 -2.53 0.02 | 25.53 -2.56 0.02 | 25.70 -2.48 0.02 | 25.67 -2.26 0.00 | 26.22 -2.00 0.01 | 29.15 -2.54 0.02 | 30.53 -2.66 0.02 | 26.50 -3.44 2.24 | 24.91 -3.64 7.46 | 24.11 -3.81 7.68 | 19.86 -3.70 11.30 | 18.91 -3.40 10.71 | 19.02 -3.90 14.56 | 18.22 -3.55 13.77 | 23.32 -3.16 8.19 | 25.57 -3.70 12.32 | 27.07 -3.80 5.68 | 34.06 -5.28 8.62 | 33.14 -5.31 10.74 | 32.51 -3.76 -0.16 | 30.29 -3.41 0.05 | 27.32 -2.77 -0.65 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| HUNTLEY___68 23562 | 31.60 -2.94 0.02 | 27.89 -2.79 0.02 | 25.54 -2.53 0.02 | 25.53 -2.56 0.02 | 25.70 -2.48 0.02 | 25.67 -2.26 0.00 | 26.22 -2.00 0.00 | 29.15 -2.54 0.01 | 30.53 -2.66 0.02 | 26.50 -3.44 2.24 | 24.91 -3.64 7.46 | 24.11 -3.81 7.68 | 19.86 -3.70 11.30 | 18.91 -3.40 10.71 | 19.02 -3.90 14.56 | 18.22 -3.55 13.77 | 23.32 -3.16 8.19 | 25.57 -3.70 12.32 | 27.07 -3.80 5.68 | 34.06 -5.28 8.62 | 33.14 -5.31 10.74 | 32.51 -3.76 -0.16 | 30.29 -3.41 0.05 | 27.32 -2.77 -0.65 |
| HYLAND___LFGE 323620 | 34.08 -0.45 0.02 | 30.00 -0.68 0.02 | 27.56 -0.50 0.02 | 27.52 -0.56 0.02 | 27.75 -0.42 0.02 | 27.74 -0.19 0.00 | 28.22 0.00 0.00 | 31.43 -0.25 0.01 | 32.39 -0.80 0.02 | 28.11 -1.38 2.70 | 25.34 -1.58 9.08 | 24.25 -1.99 9.35 | 19.24 -2.02 13.60 | 18.16 -1.98 12.88 | 17.47 -2.25 17.75 | 17.10 -1.88 16.56 | 22.39 -1.39 10.90 | 23.88 -1.25 16.46 | 56.23 -0.91 -20.59 | 40.03 -0.72 7.21 | 39.86 -0.54 8.79 | 35.58 -0.33 0.21 | 33.13 -0.51 0.11 | 29.47 -0.62 -0.65 |
| INDECK___CORINTH 23802 | 36.56 2.00 0.00 | 32.51 1.81 0.00 | 29.69 1.60 0.00 | 29.82 1.71 0.00 | 29.86 1.66 0.00 | 29.55 1.62 0.00 | 29.86 1.64 0.00 | 33.34 1.65 0.00 | 34.93 1.73 0.00 | 33.83 1.64 0.00 | 37.84 1.84 0.00 | 37.41 1.81 0.00 | 36.60 1.74 0.00 | 34.70 1.68 0.00 | 39.97 1.84 -0.66 | 37.36 1.81 0.00 | 36.33 1.66 0.00 | 43.84 2.24 0.00 | 46.82 2.16 -8.12 | 50.79 2.83 0.00 | 61.10 2.80 -9.11 | 53.89 2.06 -15.73 | 43.35 1.82 -7.79 | 42.10 1.56 -11.11 |
| INDECK___ILION 23567 | 35.00 0.45 0.00 | 31.10 0.40 0.00 | 28.45 0.37 0.00 | 28.41 0.31 0.00 | 28.47 0.28 0.00 | 28.07 0.14 0.00 | 28.19 -0.03 0.00 | 31.69 0.00 0.00 | 33.27 0.07 0.00 | 32.28 0.10 0.00 | 36.22 0.22 0.00 | 35.74 0.14 0.00 | 35.03 0.17 0.00 | 33.15 0.13 0.00 | 37.60 0.11 -0.01 | 35.65 0.11 0.00 | 34.74 0.07 0.00 | 41.68 0.08 0.00 | 36.61 -0.04 -0.10 | 47.81 -0.14 0.00 | 49.00 -0.30 -0.11 | 36.04 -0.25 -0.19 | 33.67 -0.07 0.00 | 29.38 -0.06 0.00 |
| INDECK___OLEAN 23982 | 32.66 -1.87 0.02 | 29.36 -1.32 0.02 | 26.44 -1.63 0.02 | 26.59 -1.49 0.02 | 26.42 -1.75 0.02 | 25.75 -2.18 0.00 | 26.27 -1.95 0.00 | 29.30 -2.38 0.01 | 32.49 -0.70 0.02 | 28.02 -1.45 2.72 | 24.75 -1.44 9.81 | 23.77 -1.71 10.12 | 19.55 -1.60 13.70 | 18.55 -1.49 12.98 | 16.51 -1.76 19.21 | 17.36 -1.49 16.69 | 20.69 -2.22 11.76 | 21.24 -2.41 17.94 | 33.58 -1.61 1.36 | 37.71 -2.01 8.24 | 36.95 -2.06 10.17 | 34.56 -1.37 0.17 | 32.40 -1.25 0.09 | 28.94 -1.15 -0.65 |
| INDECK___OSWEGO 23783 | 33.93 -0.62 0.00 | 30.11 -0.58 0.00 | 27.58 -0.50 0.00 | 27.57 -0.53 0.00 | 27.66 -0.54 0.00 | 27.40 -0.53 0.00 | 27.68 -0.54 0.00 | 30.93 -0.76 0.00 | 32.31 -0.90 0.00 | 30.66 -0.90 0.63 | 34.11 -0.94 0.96 | 33.57 -1.03 0.99 | 30.72 -0.98 3.16 | 29.10 -0.92 3.00 | 34.60 -1.05 1.82 | 30.63 -1.07 3.85 | 31.92 -0.97 1.78 | 38.02 -1.21 2.36 | 36.02 -0.88 -0.35 | 45.41 -1.15 1.39 | 46.76 -1.13 1.29 | 35.97 -0.79 -0.66 | 33.36 -0.71 -0.33 | 29.65 -0.56 -0.77 |
| INDECK___YERKES 23781 | 31.22 -3.32 0.02 | 27.52 -3.16 0.02 | 25.43 -2.64 0.02 | 25.33 -2.75 0.02 | 25.56 -2.62 0.02 | 25.50 -2.43 0.00 | 26.07 -2.15 0.01 | 29.04 -2.63 0.02 | 30.17 -3.02 0.02 | 26.56 -3.44 2.18 | 24.91 -3.56 7.53 | 24.02 -3.81 7.77 | 20.15 -3.70 11.01 | 19.19 -3.40 10.43 | 18.81 -3.93 14.73 | 18.61 -3.52 13.41 | 19.51 -3.29 11.86 | 19.63 -3.83 18.13 | 27.88 -3.80 4.87 | 34.16 -5.47 8.33 | 33.14 -5.56 10.49 | 32.11 -4.04 -0.04 | 30.15 -3.61 -0.02 | 26.94 -3.15 -0.65 |
| INDIAN POINT_GT_1 24139 | 36.56 2.00 0.00 | 32.35 1.66 0.00 | 29.63 1.54 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.41 1.48 0.00 | 29.77 1.55 0.00 | 33.59 1.90 0.00 | 35.37 2.16 0.00 | 35.02 2.29 -0.55 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.19 2.58 -2.75 | 38.07 2.44 -2.61 | 40.89 2.85 -0.56 | 41.70 2.81 -3.35 | 38.80 2.60 -1.53 | 46.55 3.12 -1.84 | 46.49 2.81 -7.13 | 53.32 3.84 -1.53 | 63.32 4.28 -9.85 | 52.91 2.96 -13.85 | 43.26 2.60 -6.92 | 41.09 2.12 -9.53 |
| INDIAN POINT_GT_2 23659 | 36.56 2.00 0.00 | 32.35 1.66 0.00 | 29.63 1.54 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.41 1.48 0.00 | 29.77 1.55 0.00 | 33.59 1.90 0.00 | 35.37 2.16 0.00 | 35.02 2.29 -0.55 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.19 2.58 -2.75 | 38.07 2.44 -2.61 | 40.89 2.85 -0.56 | 41.70 2.81 -3.35 | 38.80 2.60 -1.53 | 46.55 3.12 -1.84 | 46.49 2.81 -7.13 | 53.32 3.84 -1.53 | 63.32 4.28 -9.85 | 52.91 2.96 -13.85 | 43.26 2.60 -6.92 | 41.09 2.12 -9.53 |
| INDIAN POINT_GT_3 24019 | 36.56 2.00 0.00 | 32.35 1.66 0.00 | 29.63 1.54 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.41 1.48 0.00 | 29.77 1.55 0.00 | 33.59 1.90 0.00 | 35.37 2.16 0.00 | 35.02 2.29 -0.55 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.19 2.58 -2.75 | 38.07 2.44 -2.61 | 40.89 2.85 -0.56 | 41.70 2.81 -3.35 | 38.80 2.60 -1.53 | 46.55 3.12 -1.84 | 46.49 2.81 -7.13 | 53.32 3.84 -1.53 | 63.32 4.28 -9.85 | 52.91 2.96 -13.85 | 43.26 2.60 -6.92 | 41.09 2.12 -9.53 |
| INDIAN POINT___2 23530 | 36.59 2.04 0.00 | 32.48 1.78 0.00 | 29.69 1.60 0.00 | 29.73 1.63 0.00 | 29.69 1.49 0.00 | 29.49 1.56 0.00 | 29.80 1.58 0.00 | 33.59 1.90 0.00 | 35.43 2.23 0.00 | 35.03 2.29 -0.55 | 38.52 2.52 0.00 | 38.19 2.60 0.00 | 40.16 2.51 -2.79 | 38.07 2.41 -2.64 | 40.84 2.81 -0.56 | 41.72 2.77 -3.40 | 38.80 2.57 -1.56 | 46.50 3.03 -1.87 | 46.72 2.96 -7.21 | 53.44 3.98 -1.51 | 63.62 4.52 -9.91 | 53.23 3.14 -13.98 | 43.40 2.73 -6.92 | 41.34 2.36 -9.55 |
| INDIAN POINT___3 23531 | 36.56 2.00 0.00 | 32.35 1.66 0.00 | 29.63 1.54 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.41 1.48 0.00 | 29.77 1.55 0.00 | 33.59 1.90 0.00 | 35.37 2.16 0.00 | 35.02 2.29 -0.55 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.12 2.51 -2.75 | 38.03 2.41 -2.60 | 40.85 2.81 -0.56 | 41.67 2.77 -3.35 | 38.77 2.57 -1.53 | 46.46 3.04 -1.83 | 46.38 2.70 -7.13 | 53.18 3.69 -1.53 | 63.17 4.13 -9.85 | 52.84 2.89 -13.85 | 43.14 2.53 -6.87 | 40.96 2.06 -9.47 |
| INDIANHD_69_KV_BK1 55831 | 38.15 3.59 -0.01 | 33.74 3.04 0.00 | 30.84 2.75 0.00 | 30.92 2.81 -0.01 | 30.91 2.71 -0.01 | 30.67 2.74 0.00 | 31.08 2.85 -0.01 | 35.03 3.33 -0.01 | 36.87 3.65 -0.01 | 36.41 3.67 -0.55 | 43.62 4.07 -3.55 | 43.19 3.99 -3.61 | 47.80 3.80 -9.14 | 50.12 3.57 -13.53 | 48.73 4.20 -7.06 | 48.73 4.16 -9.03 | 46.04 3.95 -7.41 | 50.92 4.78 -4.54 | 50.73 4.31 -9.87 | 55.08 5.61 -1.52 | 65.06 6.00 -9.87 | 54.06 4.04 -13.91 | 44.59 3.91 -6.93 | 42.38 3.39 -9.56 |
| INGHAM_C_115KV_TB7 356103 | 35.00 0.45 0.00 | 31.10 0.40 0.00 | 28.45 0.37 0.00 | 28.41 0.31 0.00 | 28.47 0.28 0.00 | 28.07 0.14 0.00 | 28.19 -0.03 0.00 | 31.69 0.00 0.00 | 33.27 0.07 0.00 | 32.28 0.10 0.00 | 36.22 0.22 0.00 | 35.74 0.14 0.00 | 35.03 0.17 0.00 | 33.15 0.13 0.00 | 37.60 0.11 -0.01 | 35.65 0.11 0.00 | 34.74 0.07 0.00 | 41.68 0.08 0.00 | 36.61 -0.04 -0.10 | 47.81 -0.14 0.00 | 49.00 -0.30 -0.11 | 36.04 -0.25 -0.19 | 33.67 -0.07 0.00 | 29.38 -0.06 0.00 |
| IP CORINTH___1 23988 | 36.52 1.97 0.00 | 32.48 1.78 0.00 | 29.69 1.60 0.00 | 29.79 1.69 0.00 | 29.83 1.64 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.34 1.65 0.00 | 34.90 1.69 0.00 | 33.83 1.64 0.00 | 37.84 1.84 0.00 | 37.41 1.82 0.00 | 36.60 1.74 0.00 | 34.67 1.65 0.00 | 39.97 1.84 -0.66 | 37.36 1.81 0.00 | 36.33 1.66 0.00 | 43.84 2.25 0.00 | 46.78 2.16 -8.08 | 50.79 2.83 0.00 | 61.05 2.80 -9.06 | 53.81 2.06 -15.65 | 43.35 1.82 -7.79 | 42.04 1.50 -11.11 |

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| IP___TICONDEROGA 23804 | 37.39 2.83 0.00 | 33.27 2.58 0.00 | 30.39 2.30 0.00 | 30.52 2.42 0.00 | 30.56 2.37 0.00 | 30.28 2.35 0.00 | 30.56 2.34 0.00 | 34.07 2.38 0.00 | 35.57 2.36 0.00 | 34.44 2.25 0.00 | 38.45 2.45 0.00 | 37.94 2.35 0.00 | 37.06 2.20 0.00 | 35.10 2.08 0.00 | 40.42 2.29 -0.66 | 37.78 2.24 0.00 | 36.79 2.11 0.00 | 44.67 3.08 0.00 | 47.65 3.03 -8.07 | 51.99 4.03 0.00 | 62.37 4.13 -9.05 | 54.67 2.92 -15.63 | 44.09 2.56 -7.78 | 42.68 2.15 -11.10 |
| ISLIP_RES_REC 323679 | 38.09 3.53 -0.01 | 33.80 3.10 0.00 | 30.81 2.72 0.00 | 30.95 2.84 -0.01 | 30.91 2.71 -0.01 | 30.70 2.77 0.00 | 31.05 2.82 -0.01 | 34.93 3.23 -0.01 | 36.87 3.65 -0.01 | 36.34 3.60 -0.55 | 43.53 3.96 -3.56 | 43.10 3.88 -3.63 | 47.76 3.73 -9.16 | 50.06 3.47 -13.58 | 48.62 4.05 -7.10 | 48.60 4.02 -9.04 | 45.97 3.85 -7.45 | 50.77 4.62 -4.56 | 50.65 4.17 -9.93 | 54.84 5.37 -1.52 | 64.91 5.80 -9.92 | 53.96 3.87 -13.99 | 44.45 3.78 -6.93 | 42.41 3.41 -9.56 |
| JAMAICA__27_KV_LOAD 355505 | 36.76 2.21 0.01 | 32.54 1.84 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 30.00 1.78 0.00 | 33.91 2.22 0.00 | 35.67 2.46 0.00 | 35.33 2.61 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.37 2.79 -2.72 | 38.24 2.64 -2.57 | 41.15 3.11 -0.56 | 41.95 3.09 -3.31 | 39.03 2.84 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.86 | 53.62 3.61 -13.91 | 43.74 3.07 -6.92 | 41.46 2.47 -9.55 |
| JANIS___SOLAR 323808 | 35.79 1.24 0.00 | 31.83 1.14 0.00 | 29.13 1.04 0.00 | 29.06 0.96 0.00 | 29.21 1.01 0.00 | 28.91 0.98 0.00 | 29.32 1.10 0.00 | 32.77 1.08 0.00 | 34.17 0.96 0.00 | 32.77 0.58 0.00 | 36.65 0.65 0.00 | 35.84 0.25 0.00 | 35.17 0.31 0.00 | 33.35 0.33 0.00 | 38.05 0.41 -0.16 | 36.11 0.57 0.00 | 36.03 0.69 -0.66 | 43.67 1.04 -1.04 | 41.10 1.20 -3.34 | 51.65 1.78 -1.92 | 55.90 1.87 -4.85 | 41.19 1.34 -3.75 | 36.85 1.25 -1.86 | 33.17 1.09 -2.65 |
| JARVIS____ 23743 | 34.76 0.21 0.00 | 30.88 0.19 0.00 | 28.26 0.17 0.00 | 28.27 0.17 0.00 | 28.36 0.17 0.00 | 28.07 0.14 0.00 | 28.36 0.14 0.00 | 31.91 0.22 0.00 | 33.44 0.23 0.00 | 32.41 0.23 0.00 | 36.26 0.25 0.00 | 35.84 0.25 0.00 | 35.11 0.25 0.00 | 33.25 0.23 0.00 | 37.75 0.26 -0.01 | 35.80 0.25 0.00 | 34.91 0.24 0.00 | 41.89 0.29 0.00 | 36.73 0.18 0.00 | 48.20 0.24 0.00 | 49.43 0.25 0.00 | 36.29 0.18 0.00 | 33.95 0.20 0.00 | 29.62 0.18 0.00 |
| JENNISON___1 23625 | 36.05 1.49 -0.01 | 31.99 1.29 -0.01 | 29.31 1.21 -0.01 | 29.24 1.12 -0.01 | 29.36 1.16 -0.01 | 28.99 1.06 0.00 | 29.69 1.47 0.00 | 33.31 1.62 0.00 | 34.88 1.66 -0.01 | 35.37 1.32 -1.86 | 41.72 1.55 -4.17 | 41.02 1.14 -4.29 | 45.50 1.25 -9.38 | 43.06 1.16 -8.89 | 47.11 1.24 -8.39 | 48.43 1.46 -11.43 | 42.19 1.39 -6.13 | 52.02 1.75 -8.68 | 41.18 1.32 -3.31 | 56.09 1.82 -6.31 | 62.61 1.87 -11.56 | 43.88 1.30 -6.48 | 38.25 1.28 -3.23 | 34.36 1.09 -3.83 |
| JENNISON___2 23626 | 36.05 1.49 -0.01 | 31.99 1.29 -0.01 | 29.31 1.21 -0.01 | 29.24 1.12 -0.01 | 29.36 1.16 -0.01 | 28.99 1.06 0.00 | 29.69 1.47 0.00 | 33.31 1.62 0.00 | 34.88 1.66 -0.01 | 35.37 1.32 -1.86 | 41.72 1.55 -4.17 | 41.02 1.14 -4.29 | 45.50 1.25 -9.38 | 43.06 1.16 -8.89 | 47.11 1.24 -8.39 | 48.43 1.46 -11.43 | 42.19 1.39 -6.13 | 52.02 1.75 -8.68 | 41.18 1.32 -3.31 | 56.09 1.82 -6.31 | 62.61 1.87 -11.56 | 43.88 1.30 -6.48 | 38.25 1.28 -3.23 | 34.36 1.09 -3.83 |
| JERICHO_RISE_WT_PWR 323719 | 33.82 -0.73 0.00 | 30.05 -0.65 0.00 | 27.47 -0.62 0.00 | 27.54 -0.56 0.00 | 27.69 -0.51 0.00 | 27.46 -0.47 0.00 | 27.80 -0.42 0.00 | 31.22 -0.47 0.00 | 32.74 -0.46 0.00 | 31.80 -0.38 0.00 | 35.57 -0.43 0.00 | 35.20 -0.39 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.95 -0.52 0.00 | 35.01 -0.53 0.00 | 34.19 -0.49 0.00 | 41.01 -0.58 0.00 | 36.04 -0.51 0.00 | 47.24 -0.72 0.00 | 48.40 -0.79 0.00 | 35.42 -0.69 0.00 | 33.00 -0.74 0.00 | 28.73 -0.71 0.00 |
| KATONAH___115KV_46KV_TB4 355592 | 36.69 2.14 0.00 | 32.48 1.78 0.00 | 29.75 1.66 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.52 1.59 0.00 | 29.89 1.67 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.19 2.48 -0.53 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.33 2.82 -2.65 | 38.24 2.71 -2.51 | 41.23 3.19 -0.57 | 41.86 3.09 -3.23 | 39.02 2.88 -1.48 | 46.73 3.37 -1.77 | 46.74 2.96 -7.23 | 53.41 3.98 -1.47 | 63.44 4.38 -9.88 | 53.16 3.03 -14.02 | 43.37 2.67 -6.96 | 41.22 2.18 -9.61 |
| KCE_NY_1 323755 | 36.49 1.93 0.00 | 32.44 1.75 0.00 | 29.63 1.54 0.00 | 29.70 1.60 0.00 | 29.74 1.55 0.00 | 29.44 1.51 0.00 | 29.72 1.49 0.00 | 33.31 1.62 0.00 | 34.93 1.73 0.00 | 33.83 1.64 0.00 | 37.80 1.80 0.00 | 37.41 1.81 0.00 | 36.67 1.81 0.00 | 34.74 1.72 0.00 | 40.04 1.91 -0.66 | 37.43 1.88 0.00 | 36.40 1.73 0.00 | 43.88 2.29 0.00 | 46.73 2.08 -8.10 | 50.69 2.73 0.00 | 60.98 2.70 -9.09 | 53.83 2.02 -15.70 | 43.37 1.85 -7.77 | 42.11 1.59 -11.08 |
| KCE_NY_6_ESR 323823 | 31.74 -2.80 0.02 | 28.13 -2.55 0.02 | 25.82 -2.25 0.02 | 25.75 -2.33 0.02 | 25.89 -2.28 0.02 | 25.69 -2.24 0.00 | 26.24 -1.98 0.00 | 29.27 -2.41 0.01 | 30.90 -2.29 0.02 | 26.85 -2.99 2.35 | 24.67 -3.10 8.24 | 23.78 -3.31 8.50 | 19.81 -3.21 11.84 | 18.83 -2.97 11.22 | 17.89 -3.45 16.13 | 18.02 -3.09 14.43 | 19.89 -2.91 11.87 | 20.12 -3.33 18.14 | 27.25 -3.33 5.98 | 35.20 -4.46 8.30 | 34.22 -4.57 10.39 | 32.86 -3.21 0.03 | 30.82 -2.90 0.02 | 27.55 -2.53 -0.65 |
| KEDC_PORT_JEFF_GT2 24210 | 37.98 3.42 -0.01 | 33.67 2.98 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.79 2.59 -0.01 | 30.58 2.65 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.74 3.52 -0.01 | 36.21 3.48 -0.55 | 43.36 3.81 -3.54 | 42.94 3.74 -3.61 | 47.57 3.59 -9.12 | 49.86 3.33 -13.50 | 48.46 3.93 -7.05 | 48.42 3.87 -9.00 | 45.79 3.71 -7.41 | 50.55 4.41 -4.55 | 50.45 3.98 -9.91 | 54.61 5.13 -1.52 | 64.66 5.56 -9.92 | 53.78 3.68 -13.99 | 44.35 3.68 -6.93 | 42.29 3.30 -9.56 |
| KEDC_PORT_JEFF_GT3 24211 | 37.98 3.42 -0.01 | 33.67 2.98 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.79 2.59 -0.01 | 30.58 2.65 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.74 3.52 -0.01 | 36.21 3.48 -0.55 | 43.36 3.81 -3.54 | 42.94 3.74 -3.61 | 47.57 3.59 -9.12 | 49.86 3.33 -13.50 | 48.46 3.93 -7.05 | 48.42 3.87 -9.00 | 45.79 3.71 -7.41 | 50.55 4.41 -4.55 | 50.45 3.98 -9.91 | 54.61 5.13 -1.52 | 64.66 5.56 -9.92 | 53.78 3.68 -13.99 | 44.35 3.68 -6.93 | 42.29 3.30 -9.56 |
| KEDC_GLWD_GT4 24219 | 37.19 2.62 -0.01 | 33.03 2.33 0.00 | 30.17 2.08 0.00 | 30.23 2.11 -0.01 | 30.21 2.00 -0.01 | 30.00 2.07 0.00 | 30.35 2.12 -0.01 | 34.18 2.47 -0.01 | 36.08 2.86 -0.01 | 35.60 2.86 -0.55 | 44.77 3.13 -5.63 | 44.57 3.24 -5.74 | 50.87 3.10 -12.91 | 55.92 2.94 -19.96 | 51.77 3.41 -10.88 | 51.30 3.38 -12.37 | 48.71 3.15 -10.89 | 51.49 3.74 -6.16 | 51.46 3.40 -11.51 | 53.99 4.51 -1.52 | 64.18 5.07 -9.93 | 53.60 3.50 -13.99 | 43.89 3.21 -6.94 | 41.74 2.74 -9.56 |
| KEDC_GLWD_GT5 24220 | 37.19 2.62 -0.01 | 33.03 2.33 0.00 | 30.17 2.08 0.00 | 30.23 2.11 -0.01 | 30.21 2.00 -0.01 | 30.00 2.07 0.00 | 30.35 2.12 -0.01 | 34.18 2.47 -0.01 | 36.08 2.86 -0.01 | 35.60 2.86 -0.55 | 44.77 3.13 -5.63 | 44.57 3.24 -5.74 | 50.87 3.10 -12.91 | 55.92 2.94 -19.96 | 51.77 3.41 -10.88 | 51.30 3.38 -12.37 | 48.71 3.15 -10.89 | 51.49 3.74 -6.16 | 51.46 3.40 -11.51 | 53.99 4.51 -1.52 | 64.18 5.07 -9.93 | 53.60 3.50 -13.99 | 43.89 3.21 -6.94 | 41.74 2.74 -9.56 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| KENSICO____ 23655 | 36.66 2.11 0.00 | 32.42 1.72 0.00 | 29.69 1.60 0.00 | 29.70 1.60 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.65 1.96 0.00 | 35.47 2.26 0.00 | 35.11 2.38 -0.54 | 38.63 2.63 0.00 | 38.37 2.78 0.00 | 40.27 2.68 -2.72 | 38.14 2.54 -2.58 | 41.00 2.96 -0.56 | 41.78 2.91 -3.32 | 38.89 2.70 -1.52 | 46.65 3.24 -1.82 | 46.63 2.92 -7.16 | 53.40 3.93 -1.51 | 63.52 4.48 -9.86 | 53.11 3.11 -13.90 | 43.36 2.70 -6.92 | 41.19 2.21 -9.54 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 36.90 2.35 0.00 | 32.69 2.00 0.00 | 29.97 1.88 0.00 | 29.99 1.88 0.00 | 30.00 1.80 0.00 | 29.72 1.79 0.00 | 30.08 1.86 0.00 | 33.94 2.25 0.00 | 35.73 2.52 0.00 | 35.35 2.58 -0.59 | 38.56 2.56 0.00 | 38.09 2.49 0.00 | 40.23 2.41 -2.97 | 38.14 2.31 -2.81 | 40.69 2.66 -0.55 | 41.86 2.70 -3.61 | 38.72 2.39 -1.65 | 46.44 2.87 -1.98 | 46.31 2.74 -7.02 | 53.44 3.84 -1.65 | 63.23 4.28 -9.77 | 52.52 2.96 -13.46 | 43.22 2.70 -6.78 | 40.96 2.21 -9.31 |
| KIAC_JFK_GT1 23816 | 36.55 2.00 0.01 | 32.38 1.69 0.00 | 29.66 1.57 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.49 1.56 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.47 2.26 0.00 | 35.17 2.45 -0.54 | 38.63 2.63 0.00 | 38.30 2.71 0.00 | 40.19 2.61 -2.72 | 38.07 2.48 -2.57 | 40.93 2.89 -0.56 | 41.77 2.91 -3.31 | 38.82 2.63 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.52 4.48 -9.86 | 53.41 3.39 -13.91 | 43.53 2.87 -6.92 | 41.28 2.30 -9.55 |
| KIAC_JFK_GT2 23817 | 36.55 2.00 0.01 | 32.38 1.69 0.00 | 29.66 1.57 0.00 | 29.65 1.55 0.00 | 29.66 1.47 0.00 | 29.49 1.56 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.47 2.26 0.00 | 35.17 2.45 -0.54 | 38.63 2.63 0.00 | 38.30 2.71 0.00 | 40.19 2.61 -2.72 | 38.07 2.48 -2.57 | 40.93 2.89 -0.56 | 41.77 2.91 -3.31 | 38.82 2.63 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.52 4.48 -9.86 | 53.41 3.39 -13.91 | 43.53 2.87 -6.92 | 41.28 2.30 -9.55 |
| KIAC_JFK____ 323774 | 36.58 2.04 0.01 | 32.51 1.81 0.00 | 29.74 1.66 0.00 | 29.76 1.66 0.00 | 29.71 1.52 0.00 | 29.61 1.68 0.00 | 29.91 1.69 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.17 2.45 -0.54 | 38.60 2.59 0.00 | 38.30 2.70 0.00 | 40.18 2.62 -2.70 | 38.06 2.48 -2.56 | 40.93 2.89 -0.56 | 41.75 2.92 -3.29 | 38.82 2.63 -1.52 | 46.66 3.25 -1.82 | 46.72 2.96 -7.21 | 53.44 3.98 -1.51 | 63.57 4.48 -9.91 | 53.49 3.39 -13.99 | 43.53 2.87 -6.92 | 41.40 2.41 -9.55 |
| KINTIGH_24_KV_GSU 356498 | 31.60 -2.94 0.01 | 27.74 -2.95 0.01 | 25.72 -2.36 0.01 | 25.59 -2.50 0.01 | 25.87 -2.31 0.01 | 25.97 -1.96 0.00 | 26.53 -1.69 0.00 | 29.59 -2.09 0.01 | 30.24 -2.96 0.01 | 26.96 -3.41 1.81 | 26.45 -3.60 5.95 | 25.75 -3.74 6.11 | 22.11 -3.63 9.12 | 21.01 -3.37 8.64 | 22.04 -3.86 11.58 | 20.92 -3.52 11.11 | 19.92 -2.84 11.91 | 19.97 -3.41 18.22 | 30.01 -3.69 2.85 | 34.67 -5.08 8.21 | 33.58 -5.16 10.44 | 32.63 -3.65 -0.17 | 30.48 -3.34 -0.08 | 27.18 -2.91 -0.65 |
| KINTIGH____ 23543 | 32.05 -2.49 0.01 | 28.14 -2.55 0.01 | 25.83 -2.25 0.01 | 25.79 -2.30 0.01 | 26.01 -2.17 0.01 | 26.09 -1.84 0.00 | 26.61 -1.61 0.00 | 29.59 -2.09 0.01 | 30.57 -2.62 0.01 | 26.98 -3.38 1.83 | 26.70 -3.60 5.70 | 26.00 -3.74 5.85 | 22.04 -3.63 9.20 | 20.94 -3.37 8.71 | 22.56 -3.82 11.09 | 20.83 -3.52 11.20 | 23.91 -2.84 7.92 | 26.28 -3.41 11.90 | 30.08 -3.69 2.78 | 34.30 -5.08 8.57 | 33.27 -5.12 10.80 | 32.78 -3.65 -0.32 | 30.43 -3.34 -0.03 | 27.53 -2.56 -0.65 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.81 -0.28 0.00 | 27.91 -0.20 0.00 | 28.08 -0.11 0.00 | 27.90 -0.03 0.00 | 28.22 0.00 0.00 | 31.66 -0.03 0.00 | 33.24 0.03 0.00 | 32.28 0.10 0.00 | 36.04 0.04 0.00 | 35.70 0.11 0.00 | 34.90 0.03 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.67 0.00 0.00 | 41.63 0.04 0.00 | 36.59 0.04 0.00 | 48.01 0.05 0.00 | 49.23 0.05 0.00 | 35.96 -0.14 0.00 | 33.51 -0.24 0.00 | 29.14 -0.29 0.00 |
| LACHUTE____HYDRO 323717 | 37.45 2.90 0.00 | 33.30 2.61 0.00 | 30.42 2.33 0.00 | 30.55 2.44 0.00 | 30.59 2.40 0.00 | 30.25 2.32 0.00 | 30.56 2.34 0.00 | 34.07 2.38 0.00 | 35.60 2.39 0.00 | 34.44 2.25 0.00 | 38.45 2.45 0.00 | 37.94 2.35 0.00 | 37.06 2.20 0.00 | 35.10 2.08 0.00 | 40.38 2.25 -0.66 | 37.79 2.24 0.00 | 36.75 2.08 0.00 | 44.67 3.08 0.00 | 47.69 3.03 -8.11 | 51.99 4.03 0.00 | 62.42 4.13 -9.10 | 54.75 2.92 -15.72 | 44.09 2.56 -7.78 | 42.74 2.21 -11.10 |
| LAWRNCV_115KV_TB1 80681 | 33.07 -1.49 0.00 | 29.38 -1.32 0.00 | 26.80 -1.29 0.00 | 26.84 -1.26 0.00 | 27.01 -1.18 0.00 | 26.76 -1.17 0.00 | 27.06 -1.16 0.00 | 30.30 -1.39 0.00 | 31.75 -1.46 0.00 | 30.80 -1.38 0.00 | 34.42 -1.58 0.00 | 34.06 -1.53 0.00 | 33.33 -1.53 0.00 | 31.53 -1.49 0.00 | 35.76 -1.72 -0.01 | 33.95 -1.60 0.00 | 33.21 -1.46 0.00 | 39.89 -1.71 0.00 | 35.26 -1.43 -0.13 | 46.13 -1.82 0.00 | 47.51 -1.82 -0.15 | 34.95 -1.41 -0.25 | 32.53 -1.32 -0.11 | 28.38 -1.21 -0.15 |
| LEDERLE____ 23769 | 36.69 2.14 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.20 2.45 -0.56 | 38.63 2.63 0.00 | 38.30 2.71 0.00 | 40.32 2.61 -2.84 | 38.22 2.51 -2.69 | 40.95 2.92 -0.55 | 41.88 2.88 -3.46 | 38.92 2.67 -1.58 | 46.65 3.16 -1.89 | 46.40 2.81 -7.04 | 53.37 3.84 -1.58 | 63.28 4.28 -9.82 | 52.79 3.00 -13.69 | 43.17 2.67 -6.77 | 40.89 2.15 -9.31 |
| LIGHTHSE_115KV_TB6 355974 | 34.17 -0.38 0.00 | 30.33 -0.37 0.00 | 27.72 -0.37 0.00 | 27.68 -0.42 0.00 | 27.83 -0.37 0.00 | 27.51 -0.42 0.00 | 27.77 -0.45 0.00 | 30.99 -0.70 0.00 | 32.38 -0.83 0.00 | 30.69 -0.90 0.60 | 35.14 -0.86 0.00 | 34.60 -1.00 0.00 | 30.91 -0.94 3.01 | 29.27 -0.89 2.85 | 36.48 -1.05 -0.05 | 30.92 -0.96 3.67 | 32.16 -0.83 1.68 | 38.54 -1.04 2.01 | 36.25 -0.69 -0.39 | 45.42 -0.86 1.67 | 46.82 -0.79 1.58 | 36.28 -0.58 -0.75 | 33.59 -0.40 -0.25 | 29.93 -0.24 -0.73 |
| LINDEN COGEN____ 23786 | 36.66 2.11 0.00 | 32.48 1.78 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.69 1.49 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.66 1.97 0.00 | 35.57 2.36 0.00 | 35.14 2.42 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.25 2.68 -2.70 | 38.12 2.54 -2.56 | 41.00 2.96 -0.56 | 41.79 2.95 -3.29 | 38.90 2.71 -1.52 | 46.66 3.25 -1.82 | 46.68 2.93 -7.21 | 53.44 3.98 -1.51 | 63.77 4.67 -9.91 | 53.34 3.25 -13.99 | 43.47 2.80 -6.92 | 41.37 2.38 -9.55 |
| LINDHRST_69_KV_BK1 356055 | 37.71 3.14 -0.01 | 33.37 2.67 0.00 | 30.50 2.42 0.00 | 30.56 2.44 -0.01 | 30.57 2.37 -0.01 | 30.33 2.40 0.00 | 30.74 2.51 -0.01 | 34.65 2.95 -0.01 | 36.47 3.25 -0.01 | 36.02 3.28 -0.55 | 43.51 3.60 -3.91 | 43.20 3.63 -3.98 | 48.14 3.49 -9.80 | 50.94 3.27 -14.65 | 49.02 3.82 -7.72 | 48.92 3.77 -9.61 | 46.26 3.57 -8.01 | 50.70 4.28 -4.82 | 50.57 3.87 -10.15 | 54.46 4.99 -1.52 | 64.62 5.56 -9.87 | 53.77 3.76 -13.91 | 44.32 3.64 -6.93 | 42.06 3.06 -9.56 |
| LIPA_MISC_IPP 23656 | 37.88 3.32 -0.01 | 33.49 2.79 0.00 | 30.62 2.53 0.00 | 30.72 2.61 -0.01 | 30.71 2.51 -0.01 | 30.47 2.54 0.00 | 30.88 2.65 -0.01 | 34.77 3.07 -0.01 | 36.60 3.39 -0.01 | 36.15 3.41 -0.55 | 43.24 3.71 -3.53 | 42.82 3.63 -3.60 | 47.47 3.49 -9.12 | 49.75 3.24 -13.49 | 48.34 3.82 -7.04 | 48.32 3.77 -9.01 | 45.63 3.57 -7.39 | 50.37 4.24 -4.53 | 50.25 3.84 -9.86 | 54.41 4.94 -1.52 | 64.37 5.31 -9.87 | 53.55 3.54 -13.91 | 44.18 3.51 -6.93 | 42.03 3.03 -9.56 |

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|------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| LISF___SOLAR 323691 | 37.95 3.39 -0.01 | 33.67 2.98 0.00 | 30.73 2.64 0.00 | 30.84 2.73 -0.01 | 30.82 2.62 -0.01 | 30.61 2.68 0.00 | 30.94 2.71 -0.01 | 34.84 3.14 -0.01 | 36.70 3.49 -0.01 | 36.18 3.45 -0.55 | 43.28 3.74 -3.54 | 42.86 3.67 -3.60 | 47.49 3.52 -9.11 | 49.78 3.27 -13.49 | 48.38 3.86 -7.05 | 48.35 3.81 -9.00 | 45.71 3.64 -7.40 | 50.46 4.33 -4.54 | 50.41 3.95 -9.91 | 54.56 5.08 -1.52 | 64.57 5.46 -9.92 | 53.70 3.61 -13.99 | 44.25 3.57 -6.93 | 42.23 3.24 -9.56 |
| LITTLE FALLS___HYD 24013 | 35.00 0.45 0.00 | 31.10 0.40 0.00 | 28.45 0.37 0.00 | 28.41 0.31 0.00 | 28.47 0.28 0.00 | 28.07 0.14 0.00 | 28.19 -0.03 0.00 | 31.69 0.00 0.00 | 33.27 0.07 0.00 | 32.28 0.10 0.00 | 36.22 0.22 0.00 | 35.74 0.14 0.00 | 35.03 0.17 0.00 | 33.15 0.13 0.00 | 37.60 0.11 -0.01 | 35.65 0.11 0.00 | 34.74 0.07 0.00 | 41.68 0.08 0.00 | 36.61 -0.04 -0.10 | 47.81 -0.14 0.00 | 49.00 -0.30 -0.11 | 36.04 -0.25 -0.19 | 33.67 -0.07 0.00 | 29.38 -0.06 0.00 |
| LITTLRIV_115KV_TB1 356100 | 33.31 -1.24 0.00 | 29.59 -1.11 0.00 | 26.99 -1.10 0.00 | 27.03 -1.07 0.00 | 27.21 -0.99 0.00 | 26.98 -0.95 0.00 | 27.26 -0.96 0.00 | 30.52 -1.17 0.00 | 31.88 -1.33 0.00 | 30.87 -1.32 0.00 | 34.46 -1.55 0.00 | 34.10 -1.49 0.00 | 33.33 -1.53 0.00 | 31.53 -1.49 0.00 | 35.80 -1.69 -0.01 | 34.02 -1.53 0.00 | 33.32 -1.35 0.00 | 40.10 -1.50 0.00 | 35.45 -1.24 -0.14 | 46.47 -1.49 0.00 | 47.87 -1.48 -0.16 | 35.23 -1.16 -0.27 | 32.78 -1.08 -0.11 | 28.60 -1.00 -0.16 |
| LI_NEWBRDGE___DRP 323616 | 37.08 2.52 -0.01 | 32.88 2.18 0.00 | 30.08 1.99 0.00 | 30.08 1.97 -0.01 | 30.12 1.92 -0.01 | 29.89 1.96 0.00 | 30.29 2.06 -0.01 | 34.14 2.44 -0.01 | 35.91 2.69 -0.01 | 35.47 2.74 -0.55 | 42.28 2.95 -3.32 | 42.00 3.03 -3.38 | 46.49 2.89 -8.73 | 48.56 2.71 -12.83 | 47.31 3.19 -6.65 | 47.37 3.16 -8.66 | 44.66 2.95 -7.04 | 49.46 3.49 -4.37 | 49.39 3.14 -9.70 | 53.50 4.03 -1.52 | 63.73 4.67 -9.87 | 53.15 3.14 -13.91 | 43.75 3.07 -6.93 | 41.55 2.56 -9.56 |
| LOCKPORT_115KV_TB60_63_64 80432 | 31.46 -3.08 0.02 | 27.80 -2.89 0.02 | 25.46 -2.61 0.02 | 25.45 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.07 -2.14 0.00 | 28.96 -2.73 0.01 | 30.17 -3.02 0.02 | 26.55 -3.61 2.04 | 25.62 -3.78 6.60 | 24.77 -3.95 6.87 | 20.72 -3.83 10.31 | 19.71 -3.53 9.78 | 20.40 -4.05 13.02 | 19.31 -3.66 12.57 | 23.40 -3.09 8.18 | 25.66 -3.62 12.32 | 28.61 -3.91 4.03 | 33.87 -5.37 8.71 | 32.81 -5.46 10.92 | 32.20 -4.15 -0.24 | 29.96 -3.78 0.01 | 27.09 -3.00 -0.66 |
| LOCKPORT___CC1 323769 | 31.12 -3.42 0.02 | 27.46 -3.22 0.02 | 25.40 -2.67 0.02 | 25.30 -2.78 0.02 | 25.53 -2.65 0.02 | 25.50 -2.43 0.00 | 26.02 -2.20 0.00 | 28.99 -2.69 0.01 | 29.94 -3.25 0.02 | 26.50 -3.64 2.05 | 25.33 -3.78 6.90 | 24.44 -3.99 7.17 | 20.64 -3.87 10.35 | 19.61 -3.60 9.81 | 19.76 -4.12 13.59 | 19.23 -3.70 12.62 | 19.51 -3.15 12.01 | 19.59 -3.66 18.34 | 28.13 -3.95 4.47 | 34.16 -5.42 8.38 | 33.08 -5.51 10.60 | 32.07 -4.12 -0.08 | 30.03 -3.75 -0.04 | 26.85 -3.24 -0.65 |
| LOCKPORT___CC2 323770 | 31.12 -3.42 0.02 | 27.46 -3.22 0.02 | 25.40 -2.67 0.02 | 25.30 -2.78 0.02 | 25.53 -2.65 0.02 | 25.50 -2.43 0.00 | 26.02 -2.20 0.00 | 28.99 -2.69 0.01 | 29.94 -3.25 0.02 | 26.50 -3.64 2.05 | 25.33 -3.78 6.90 | 24.44 -3.99 7.17 | 20.64 -3.87 10.35 | 19.61 -3.60 9.81 | 19.76 -4.12 13.59 | 19.23 -3.70 12.62 | 19.51 -3.15 12.01 | 19.59 -3.66 18.34 | 28.13 -3.95 4.47 | 34.16 -5.42 8.38 | 33.08 -5.51 10.60 | 32.07 -4.12 -0.08 | 30.03 -3.75 -0.04 | 26.85 -3.24 -0.65 |
| LOCKPORT___CC3 323771 | 31.12 -3.42 0.02 | 27.46 -3.22 0.02 | 25.40 -2.67 0.02 | 25.30 -2.78 0.02 | 25.53 -2.65 0.02 | 25.50 -2.43 0.00 | 26.02 -2.20 0.00 | 28.99 -2.69 0.01 | 29.94 -3.25 0.02 | 26.50 -3.64 2.05 | 25.33 -3.78 6.90 | 24.44 -3.99 7.17 | 20.64 -3.87 10.35 | 19.61 -3.60 9.81 | 19.76 -4.12 13.59 | 19.23 -3.70 12.62 | 19.51 -3.15 12.01 | 19.59 -3.66 18.34 | 28.13 -3.95 4.47 | 34.16 -5.42 8.38 | 33.08 -5.51 10.60 | 32.07 -4.12 -0.08 | 30.03 -3.75 -0.04 | 26.85 -3.24 -0.65 |
| LOCUSVLY_69_KV_BK2 55797 | 37.33 2.76 -0.01 | 33.06 2.36 0.00 | 30.25 2.16 0.00 | 30.28 2.16 -0.01 | 30.29 2.09 -0.01 | 30.05 2.12 0.00 | 30.46 2.23 -0.01 | 34.33 2.63 -0.01 | 36.18 2.96 -0.01 | 35.77 3.03 -0.55 | 44.39 3.31 -5.07 | 44.14 3.38 -5.17 | 50.05 3.28 -11.91 | 54.38 3.10 -18.25 | 50.94 3.60 -9.86 | 50.59 3.55 -11.49 | 47.95 3.33 -9.96 | 51.27 3.95 -5.72 | 51.13 3.55 -11.04 | 54.08 4.60 -1.52 | 64.28 5.21 -9.88 | 53.55 3.54 -13.91 | 44.02 3.34 -6.94 | 41.79 2.80 -9.56 |
| LONG_LAKE_PHOENIX 24014 | 33.96 -0.59 0.00 | 30.14 -0.55 0.00 | 27.58 -0.51 0.00 | 27.57 -0.53 0.00 | 27.69 -0.51 0.00 | 27.43 -0.50 0.00 | 27.71 -0.51 0.00 | 30.96 -0.73 0.00 | 32.38 -0.83 0.00 | 30.67 -0.87 0.65 | 35.10 -0.90 0.00 | 34.60 -1.00 0.00 | 30.59 -0.98 3.29 | 29.01 -0.89 3.12 | 36.52 -1.01 -0.06 | 30.47 -1.07 4.01 | 31.87 -0.97 1.83 | 38.19 -1.21 2.19 | 36.14 -0.84 -0.43 | 45.03 -1.10 1.83 | 46.43 -1.03 1.72 | 36.16 -0.76 -0.81 | 33.31 -0.71 -0.27 | 29.70 -0.53 -0.79 |
| LOVETT___3 23632 | 36.52 1.97 0.00 | 32.32 1.63 0.00 | 29.63 1.54 0.00 | 29.62 1.52 0.00 | 29.63 1.44 0.00 | 29.41 1.48 0.00 | 29.74 1.52 0.00 | 33.56 1.87 0.00 | 35.33 2.13 0.00 | 35.00 2.25 -0.56 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.19 2.51 -2.82 | 38.07 2.38 -2.67 | 40.80 2.77 -0.56 | 41.71 2.74 -3.43 | 38.77 2.53 -1.57 | 46.51 3.04 -1.88 | 46.28 2.67 -7.06 | 53.12 3.60 -1.56 | 63.09 4.08 -9.83 | 52.65 2.82 -13.73 | 43.03 2.50 -6.79 | 40.82 2.03 -9.35 |
| LOVETT___4 23642 | 36.52 1.97 0.00 | 32.32 1.63 0.00 | 29.63 1.54 0.00 | 29.62 1.52 0.00 | 29.63 1.44 0.00 | 29.41 1.48 0.00 | 29.74 1.52 0.00 | 33.56 1.87 0.00 | 35.33 2.13 0.00 | 35.00 2.25 -0.56 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.19 2.51 -2.82 | 38.07 2.38 -2.67 | 40.80 2.77 -0.56 | 41.71 2.74 -3.43 | 38.77 2.53 -1.57 | 46.51 3.04 -1.88 | 46.28 2.67 -7.06 | 53.12 3.60 -1.56 | 63.09 4.08 -9.83 | 52.65 2.82 -13.73 | 43.03 2.50 -6.79 | 40.82 2.03 -9.35 |
| LOVETT___5 23593 | 36.52 1.97 0.00 | 32.32 1.63 0.00 | 29.63 1.54 0.00 | 29.62 1.52 0.00 | 29.63 1.44 0.00 | 29.41 1.48 0.00 | 29.74 1.52 0.00 | 33.56 1.87 0.00 | 35.33 2.13 0.00 | 35.00 2.25 -0.56 | 38.49 2.48 0.00 | 38.19 2.60 0.00 | 40.19 2.51 -2.82 | 38.07 2.38 -2.67 | 40.80 2.77 -0.56 | 41.71 2.74 -3.43 | 38.77 2.53 -1.57 | 46.51 3.04 -1.88 | 46.28 2.67 -7.06 | 53.12 3.60 -1.56 | 63.09 4.08 -9.83 | 52.65 2.82 -13.73 | 43.03 2.50 -6.79 | 40.82 2.03 -9.35 |
| LOWER RAQUET___HYD 24057 | 32.79 -1.76 0.00 | 29.16 -1.53 0.00 | 26.57 -1.52 0.00 | 26.61 -1.49 0.00 | 26.78 -1.41 0.00 | 26.51 -1.42 0.00 | 26.84 -1.38 0.00 | 30.04 -1.65 0.00 | 31.48 -1.73 0.00 | 30.51 -1.68 0.00 | 34.13 -1.87 0.00 | 33.78 -1.81 0.00 | 33.01 -1.85 0.00 | 31.24 -1.78 0.00 | 35.43 -2.06 -0.01 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.56 -2.04 0.00 | 34.96 -1.72 -0.13 | 45.80 -2.16 0.00 | 47.16 -2.16 -0.14 | 34.69 -1.66 -0.24 | 32.31 -1.55 -0.12 | 28.17 -1.44 -0.17 |
| LOWER___HUDSON 24059 | 36.18 1.62 0.00 | 32.14 1.44 0.00 | 29.41 1.32 0.00 | 29.42 1.32 0.00 | 29.49 1.30 0.00 | 29.19 1.26 0.00 | 29.43 1.21 0.00 | 33.05 1.36 0.00 | 34.70 1.50 0.00 | 33.60 1.41 0.00 | 37.55 1.55 0.00 | 37.20 1.60 0.00 | 36.43 1.57 0.00 | 34.54 1.52 0.00 | 39.81 1.69 -0.65 | 37.22 1.67 0.00 | 36.23 1.56 0.00 | 43.55 1.96 0.00 | 46.30 1.75 -8.00 | 50.31 2.35 0.00 | 60.32 2.16 -8.98 | 53.31 1.70 -15.50 | 43.04 1.62 -7.67 | 41.74 1.35 -10.95 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| LOWVILLE_115KV_TB2 356335 | 34.00 -0.55 0.00 | 30.11 -0.58 0.00 | 27.36 -0.73 0.00 | 27.29 -0.81 0.00 | 27.46 -0.73 0.00 | 27.06 -0.87 0.00 | 27.40 -0.82 0.00 | 30.58 -1.11 0.00 | 31.98 -1.23 0.00 | 30.93 -1.26 0.00 | 34.85 -1.15 0.00 | 34.24 -1.35 0.00 | 33.57 -1.29 0.00 | 31.70 -1.32 0.00 | 35.93 -1.57 -0.03 | 34.30 -1.24 0.00 | 33.56 -1.11 0.00 | 40.47 -1.12 0.00 | 36.55 -0.37 -0.37 | 47.62 -0.34 0.00 | 49.35 -0.25 -0.41 | 36.63 -0.18 -0.71 | 34.10 0.07 -0.30 | 29.92 0.06 -0.42 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 36.38 1.83 0.00 | 32.38 1.69 0.00 | 29.60 1.52 0.00 | 29.68 1.57 0.00 | 29.72 1.52 0.00 | 29.41 1.48 0.00 | 29.72 1.50 0.00 | 33.31 1.62 0.00 | 34.87 1.66 0.00 | 33.80 1.61 0.00 | 37.80 1.80 0.00 | 37.41 1.82 0.00 | 36.64 1.78 0.00 | 34.70 1.68 0.00 | 40.04 1.91 -0.66 | 37.39 1.85 0.00 | 36.40 1.73 0.00 | 43.84 2.25 0.00 | 46.66 2.05 -8.06 | 50.69 2.73 0.00 | 60.88 2.66 -9.04 | 53.71 1.99 -15.62 | 43.34 1.82 -7.77 | 42.02 1.50 -11.08 |
| LUTHERNY_35_KV_BK2 355980 | 36.42 1.87 0.00 | 32.38 1.69 0.00 | 29.63 1.54 0.00 | 29.68 1.57 0.00 | 29.74 1.55 0.00 | 29.44 1.51 0.00 | 29.72 1.50 0.00 | 33.31 1.62 0.00 | 34.87 1.66 0.00 | 33.83 1.64 0.00 | 37.80 1.80 0.00 | 37.41 1.82 0.00 | 36.67 1.81 0.00 | 34.74 1.72 0.00 | 40.04 1.91 -0.66 | 37.43 1.88 0.00 | 36.40 1.73 0.00 | 43.88 2.29 0.00 | 46.70 2.08 -8.06 | 50.69 2.73 0.00 | 60.93 2.71 -9.04 | 53.75 2.02 -15.62 | 43.37 1.86 -7.77 | 42.05 1.53 -11.08 |
| LWR__OSWEGATCHIE_HYD 23850 | 33.14 -1.42 0.00 | 29.41 -1.29 0.00 | 26.77 -1.32 0.00 | 26.75 -1.35 0.00 | 26.92 -1.27 0.00 | 26.62 -1.31 0.00 | 26.92 -1.30 0.00 | 30.07 -1.62 0.00 | 31.45 -1.76 0.00 | 30.48 -1.71 0.00 | 34.17 -1.84 0.00 | 33.67 -1.92 0.00 | 32.98 -1.88 0.00 | 31.17 -1.85 0.00 | 35.36 -2.14 -0.02 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.64 -1.95 0.00 | 35.43 -1.39 -0.26 | 46.28 -1.68 0.00 | 47.81 -1.67 -0.30 | 35.36 -1.26 -0.51 | 32.91 -1.05 -0.21 | 28.80 -0.94 -0.30 |
| LYONS_FALL_HYD 23570 | 34.38 -0.17 0.00 | 30.51 -0.18 0.00 | 27.81 -0.28 0.00 | 27.74 -0.37 0.00 | 27.91 -0.28 0.00 | 27.51 -0.42 0.00 | 27.85 -0.37 0.00 | 31.18 -0.51 0.00 | 32.61 -0.60 0.00 | 31.51 -0.68 0.00 | 35.46 -0.54 0.00 | 34.81 -0.78 0.00 | 34.20 -0.66 0.00 | 32.29 -0.73 0.00 | 36.60 -0.90 -0.03 | 34.91 -0.64 0.00 | 34.11 -0.56 0.00 | 41.05 -0.54 0.00 | 36.82 -0.04 -0.30 | 48.05 0.10 0.00 | 49.67 0.15 -0.34 | 36.80 0.11 -0.59 | 34.34 0.30 -0.29 | 30.09 0.23 -0.42 |
| MADISON__COUNTY_LFGE 323628 | 35.21 0.66 0.00 | 31.28 0.58 0.00 | 28.59 0.51 0.00 | 28.58 0.48 0.00 | 28.70 0.51 0.00 | 28.40 0.47 0.00 | 28.73 0.51 0.00 | 32.20 0.51 0.00 | 33.71 0.50 0.00 | 32.12 0.35 0.42 | 36.47 0.47 0.00 | 35.84 0.25 0.00 | 33.04 0.31 2.13 | 31.26 0.26 2.02 | 37.78 0.26 -0.04 | 33.34 0.39 2.60 | 33.86 0.38 1.19 | 40.67 0.50 1.42 | 37.47 0.58 -0.33 | 47.64 0.86 1.18 | 49.06 0.93 1.06 | 37.42 0.69 -0.63 | 34.73 0.74 -0.24 | 30.69 0.65 -0.61 |
| MALONE__115KV_TB1 356076 | 34.17 -0.38 0.00 | 30.36 -0.34 0.00 | 27.69 -0.39 0.00 | 27.79 -0.31 0.00 | 27.97 -0.23 0.00 | 27.79 -0.14 0.00 | 28.14 -0.08 0.00 | 31.56 -0.13 0.00 | 33.17 -0.03 0.00 | 32.22 0.03 0.00 | 35.97 -0.04 0.00 | 35.63 0.04 0.00 | 34.83 -0.03 0.00 | 32.95 -0.07 0.00 | 37.33 -0.15 0.00 | 35.40 -0.14 0.00 | 34.64 -0.03 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.91 -0.05 0.00 | 49.13 -0.05 0.00 | 35.89 -0.22 0.00 | 33.40 -0.34 0.00 | 29.03 -0.41 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 35.86 1.31 0.00 | 32.02 1.32 0.00 | 29.32 1.24 0.00 | 29.34 1.24 0.00 | 29.38 1.18 0.00 | 29.08 1.15 0.00 | 29.24 1.02 0.00 | 32.86 1.17 0.00 | 34.47 1.26 0.00 | 33.44 1.26 0.00 | 37.41 1.40 0.00 | 37.02 1.42 0.00 | 36.25 1.39 0.00 | 34.37 1.35 0.00 | 39.62 1.50 -0.65 | 37.07 1.53 0.00 | 36.06 1.39 0.00 | 43.30 1.71 0.00 | 46.01 1.54 -7.92 | 50.02 2.06 0.00 | 59.99 1.92 -8.89 | 52.90 1.44 -15.35 | 42.79 1.42 -7.63 | 41.46 1.15 -10.88 |
| MAPLE_RIDGE_WT_1 323574 | 33.82 -0.73 0.00 | 29.99 -0.70 0.00 | 27.41 -0.67 0.00 | 27.43 -0.67 0.00 | 27.52 -0.68 0.00 | 27.26 -0.67 0.00 | 27.54 -0.68 0.00 | 30.96 -0.73 0.00 | 32.51 -0.70 0.00 | 31.61 -0.58 0.00 | 35.36 -0.65 0.00 | 34.95 -0.64 0.00 | 34.23 -0.63 0.00 | 32.39 -0.63 0.00 | 36.73 -0.75 0.00 | 34.87 -0.68 0.00 | 34.01 -0.66 0.00 | 40.80 -0.79 0.00 | 35.85 -0.70 0.00 | 46.90 -1.06 0.00 | 48.00 -1.18 0.00 | 35.17 -0.94 0.00 | 32.83 -0.91 0.00 | 28.61 -0.82 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 33.82 -0.73 0.00 | 29.99 -0.70 0.00 | 27.41 -0.67 0.00 | 27.43 -0.67 0.00 | 27.52 -0.68 0.00 | 27.26 -0.67 0.00 | 27.54 -0.68 0.00 | 30.96 -0.73 0.00 | 32.51 -0.70 0.00 | 31.61 -0.58 0.00 | 35.36 -0.65 0.00 | 34.95 -0.64 0.00 | 34.23 -0.63 0.00 | 32.39 -0.63 0.00 | 36.73 -0.75 0.00 | 34.87 -0.68 0.00 | 34.01 -0.66 0.00 | 40.80 -0.79 0.00 | 35.85 -0.70 0.00 | 46.90 -1.06 0.00 | 48.00 -1.18 0.00 | 35.17 -0.94 0.00 | 32.83 -0.91 0.00 | 28.61 -0.82 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 33.82 -0.73 0.00 | 30.08 -0.61 0.00 | 27.50 -0.59 0.00 | 27.57 -0.53 0.00 | 27.71 -0.48 0.00 | 27.48 -0.45 0.00 | 27.83 -0.40 0.00 | 31.22 -0.47 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.61 -0.40 0.00 | 35.24 -0.36 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.95 -0.52 0.00 | 35.05 -0.50 0.00 | 34.22 -0.45 0.00 | 41.05 -0.54 0.00 | 36.04 -0.51 0.00 | 47.29 -0.67 0.00 | 48.40 -0.79 0.00 | 35.42 -0.69 0.00 | 33.03 -0.71 0.00 | 28.73 -0.71 0.00 |
| MARSHVLE_115KV_TB1 80742 | 36.66 2.11 0.00 | 32.57 1.87 0.00 | 29.78 1.69 0.00 | 29.82 1.71 0.00 | 29.91 1.72 0.00 | 29.58 1.65 0.00 | 30.08 1.86 0.00 | 33.72 2.03 0.00 | 34.97 1.76 0.00 | 34.26 1.38 -0.68 | 38.51 1.48 -1.03 | 38.04 1.39 -1.06 | 39.87 1.57 -3.44 | 37.73 1.45 -3.26 | 41.78 1.57 -2.73 | 41.37 1.64 -4.19 | 38.25 1.66 -1.92 | 46.55 2.41 -2.54 | 47.73 2.19 -8.99 | 52.89 3.02 -1.91 | 64.72 3.15 -12.39 | 55.78 2.24 -17.44 | 44.80 2.13 -8.93 | 43.65 1.80 -12.41 |
| MARSH_HILL_WT_PWR 323713 | 33.14 -1.38 0.03 | 29.38 -1.29 0.03 | 26.83 -1.24 0.03 | 26.76 -1.32 0.03 | 26.87 -1.30 0.03 | 26.65 -1.28 0.00 | 27.06 -1.16 0.00 | 30.12 -1.55 0.01 | 31.82 -1.36 0.03 | 26.88 -1.74 3.57 | 22.22 -1.80 11.98 | 21.05 -2.21 12.34 | 14.66 -2.23 17.97 | 13.82 -2.18 17.02 | 11.53 -2.51 23.44 | 11.49 -2.17 21.89 | 22.64 -1.97 10.06 | 24.41 -2.25 14.93 | 54.67 -1.83 -19.94 | 39.17 -2.11 6.68 | 39.21 -2.16 7.81 | 33.84 -1.66 0.61 | 31.61 -1.82 0.31 | 28.47 -1.62 -0.65 |
| MCINTYRE_115KV_TB2 80467 | 33.86 -0.69 0.00 | 30.08 -0.61 0.00 | 27.44 -0.65 0.00 | 27.48 -0.62 0.00 | 27.69 -0.51 0.00 | 27.43 -0.50 0.00 | 27.74 -0.48 0.00 | 31.02 -0.67 0.00 | 32.38 -0.83 0.00 | 31.32 -0.87 0.00 | 34.92 -1.08 0.00 | 34.56 -1.03 0.00 | 33.74 -1.12 0.00 | 31.96 -1.06 0.00 | 36.29 -1.20 -0.01 | 34.51 -1.03 0.00 | 33.80 -0.87 0.00 | 40.68 -0.92 0.00 | 35.98 -0.69 -0.13 | 47.14 -0.82 0.00 | 48.54 -0.79 -0.14 | 35.74 -0.61 -0.24 | 33.27 -0.57 -0.10 | 29.02 -0.56 -0.15 |
| MECO____69_KV_BK1 80468 | 36.94 2.38 0.00 | 32.81 2.12 0.00 | 30.00 1.91 0.00 | 30.07 1.97 0.00 | 30.14 1.95 0.00 | 29.83 1.90 0.00 | 30.22 2.00 0.00 | 33.75 2.06 0.00 | 35.00 1.79 0.00 | 34.26 1.51 -0.56 | 37.59 1.58 0.00 | 37.12 1.53 0.00 | 39.30 1.60 -2.84 | 37.23 1.52 -2.69 | 39.89 1.72 -0.69 | 40.81 1.81 -3.46 | 38.06 1.80 -1.58 | 46.11 2.62 -1.89 | 47.74 2.49 -8.70 | 53.03 3.50 -1.57 | 64.44 3.59 -11.67 | 55.55 2.56 -16.88 | 44.66 2.36 -8.56 | 43.30 2.00 -11.86 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| MENANDS__115KV_TB5 355628 | 35.76 1.21 0.00 | 31.92 1.23 0.00 | 29.24 1.15 0.00 | 29.28 1.18 0.00 | 29.29 1.10 0.00 | 28.99 1.06 0.00 | 29.15 0.93 0.00 | 32.77 1.08 0.00 | 34.37 1.16 0.00 | 33.38 1.19 0.00 | 37.30 1.30 0.00 | 36.95 1.35 0.00 | 36.18 1.32 0.00 | 34.27 1.25 0.00 | 39.54 1.42 -0.64 | 36.97 1.42 0.00 | 35.95 1.28 0.00 | 43.17 1.58 0.00 | 45.85 1.39 -7.91 | 49.88 1.92 0.00 | 59.73 1.67 -8.88 | 52.73 1.30 -15.33 | 42.67 1.32 -7.61 | 41.33 1.03 -10.86 |
| MG INDUSTRY__DRP 24185 | 35.80 1.24 0.00 | 31.92 1.23 0.00 | 29.27 1.18 0.00 | 29.28 1.18 0.00 | 29.32 1.13 0.00 | 28.99 1.06 0.00 | 29.18 0.96 0.00 | 32.77 1.08 0.00 | 34.34 1.13 0.00 | 33.71 1.13 -0.40 | 37.23 1.22 0.00 | 36.84 1.25 0.00 | 38.08 1.22 -2.00 | 36.07 1.16 -1.90 | 39.39 1.27 -0.64 | 39.30 1.32 -2.44 | 35.88 1.21 0.00 | 43.13 1.54 0.00 | 45.71 1.35 -7.81 | 49.83 1.87 0.00 | 59.71 1.77 -8.75 | 52.52 1.30 -15.12 | 42.53 1.28 -7.50 | 41.20 1.06 -10.70 |
| MID__OSWEGATCHIE_HYD 23849 | 33.14 -1.42 0.00 | 29.41 -1.29 0.00 | 26.77 -1.32 0.00 | 26.75 -1.35 0.00 | 26.92 -1.27 0.00 | 26.62 -1.31 0.00 | 26.92 -1.30 0.00 | 30.07 -1.62 0.00 | 31.45 -1.76 0.00 | 30.48 -1.71 0.00 | 34.17 -1.84 0.00 | 33.67 -1.92 0.00 | 32.98 -1.88 0.00 | 31.17 -1.85 0.00 | 35.36 -2.14 -0.02 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.64 -1.95 0.00 | 35.43 -1.39 -0.26 | 46.28 -1.68 0.00 | 47.81 -1.67 -0.30 | 35.36 -1.26 -0.51 | 32.91 -1.05 -0.21 | 28.80 -0.94 -0.30 |
| MID__RAQUETTE_HYD 23851 | 32.79 -1.76 0.00 | 29.16 -1.53 0.00 | 26.57 -1.52 0.00 | 26.61 -1.49 0.00 | 26.78 -1.41 0.00 | 26.53 -1.40 0.00 | 26.84 -1.38 0.00 | 30.04 -1.65 0.00 | 31.45 -1.76 0.00 | 30.51 -1.67 0.00 | 34.13 -1.87 0.00 | 33.78 -1.82 0.00 | 33.01 -1.85 0.00 | 31.24 -1.78 0.00 | 35.43 -2.06 -0.01 | 33.66 -1.88 0.00 | 32.90 -1.77 0.00 | 39.55 -2.04 0.00 | 34.98 -1.72 -0.15 | 45.80 -2.16 0.00 | 47.19 -2.16 -0.17 | 34.74 -1.66 -0.29 | 32.31 -1.55 -0.12 | 28.20 -1.41 -0.17 |
| MILLIKEN__1 23584 | 35.17 0.62 0.01 | 31.24 0.55 0.01 | 28.59 0.51 0.01 | 28.55 0.45 0.01 | 28.67 0.48 0.01 | 28.43 0.50 0.00 | 28.76 0.54 0.00 | 32.16 0.48 0.00 | 33.63 0.43 0.01 | 31.05 0.32 1.46 | 33.83 0.36 2.53 | 33.17 0.18 2.61 | 27.68 0.17 7.36 | 26.25 0.20 6.97 | 32.89 0.26 4.85 | 26.87 0.28 8.96 | 32.77 0.35 2.24 | 39.50 0.50 2.59 | 39.60 0.66 -2.40 | 47.14 0.96 1.77 | 49.50 1.03 0.72 | 38.52 0.76 -1.66 | 35.14 0.67 -0.72 | 31.77 0.62 -1.71 |
| MILLIKEN__2 23585 | 35.17 0.62 0.01 | 31.24 0.55 0.01 | 28.59 0.51 0.01 | 28.55 0.45 0.01 | 28.67 0.48 0.01 | 28.43 0.50 0.00 | 28.76 0.54 0.00 | 32.16 0.48 0.00 | 33.63 0.43 0.01 | 31.05 0.32 1.46 | 33.83 0.36 2.53 | 33.17 0.18 2.61 | 27.68 0.17 7.36 | 26.25 0.20 6.97 | 32.89 0.26 4.85 | 26.87 0.28 8.96 | 32.77 0.35 2.24 | 39.50 0.50 2.59 | 39.60 0.66 -2.40 | 47.14 0.96 1.77 | 49.50 1.03 0.72 | 38.52 0.76 -1.66 | 35.14 0.67 -0.72 | 31.77 0.62 -1.71 |
| MILLIKEN__DIESEL 23629 | 35.17 0.62 0.01 | 31.24 0.55 0.01 | 28.59 0.51 0.01 | 28.55 0.45 0.01 | 28.67 0.48 0.01 | 28.43 0.50 0.00 | 28.76 0.54 0.00 | 32.16 0.48 0.00 | 33.63 0.43 0.01 | 31.05 0.32 1.46 | 33.83 0.36 2.53 | 33.17 0.18 2.61 | 27.68 0.17 7.36 | 26.25 0.20 6.97 | 32.89 0.26 4.85 | 26.87 0.28 8.96 | 32.77 0.35 2.24 | 39.50 0.50 2.59 | 39.60 0.66 -2.40 | 47.14 0.96 1.77 | 49.50 1.03 0.72 | 38.52 0.76 -1.66 | 35.14 0.67 -0.72 | 31.77 0.62 -1.71 |
| MILLSEAT__LFGE 323607 | 31.74 -2.80 0.01 | 27.98 -2.70 0.01 | 25.85 -2.22 0.01 | 25.78 -2.30 0.01 | 26.01 -2.17 0.01 | 26.03 -1.90 0.00 | 26.53 -1.69 0.00 | 29.56 -2.12 0.01 | 30.47 -2.72 0.01 | 27.19 -3.06 1.94 | 26.36 -3.20 6.44 | 25.48 -3.42 6.69 | 21.72 -3.31 9.82 | 20.60 -3.11 9.32 | 21.26 -3.52 12.69 | 20.44 -3.13 11.98 | 20.03 -2.57 12.08 | 20.23 -2.91 18.45 | 29.88 -3.22 3.45 | 35.11 -4.36 8.49 | 34.03 -4.38 10.78 | 32.91 -3.32 -0.12 | 30.73 -3.07 -0.06 | 27.39 -2.71 -0.66 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 36.59 2.04 0.00 | 32.38 1.69 0.00 | 29.66 1.57 0.00 | 29.68 1.57 0.00 | 29.69 1.49 0.00 | 29.44 1.51 0.00 | 29.80 1.58 0.00 | 33.62 1.93 0.00 | 35.40 2.19 0.00 | 35.05 2.32 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.18 2.58 -2.74 | 38.09 2.48 -2.59 | 40.92 2.89 -0.56 | 41.72 2.84 -3.33 | 38.83 2.63 -1.52 | 46.54 3.12 -1.82 | 46.51 2.81 -7.14 | 53.31 3.84 -1.52 | 63.32 4.28 -9.86 | 52.94 2.96 -13.87 | 43.29 2.63 -6.92 | 41.09 2.12 -9.53 |
| MILLWOOD_13_KV_LOAD 356217 | 36.66 2.11 0.00 | 32.45 1.75 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.65 1.96 0.00 | 35.47 2.26 0.00 | 35.11 2.38 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.28 2.68 -2.74 | 38.19 2.58 -2.59 | 41.04 3.00 -0.56 | 41.83 2.95 -3.33 | 38.93 2.74 -1.52 | 46.66 3.24 -1.82 | 46.62 2.92 -7.14 | 53.41 3.93 -1.52 | 63.42 4.38 -9.86 | 53.01 3.03 -13.87 | 43.32 2.67 -6.92 | 41.15 2.18 -9.53 |
| MODEL_CITY_ENERGY 24167 | 30.80 -3.73 0.02 | 27.24 -3.44 0.02 | 25.18 -2.89 0.02 | 25.08 -3.01 0.02 | 25.30 -2.88 0.02 | 25.30 -2.63 0.00 | 25.76 -2.46 0.00 | 28.70 -2.98 0.01 | 29.60 -3.59 0.02 | 26.36 -3.77 2.06 | 25.07 -3.96 6.97 | 24.18 -4.13 7.29 | 20.39 -4.01 10.46 | 19.39 -3.70 9.93 | 19.38 -4.27 13.82 | 18.94 -3.84 12.77 | 19.46 -3.22 11.98 | 19.50 -3.78 18.31 | 28.14 -4.13 4.28 | 33.96 -5.66 8.34 | 32.89 -5.75 10.54 | 31.66 -4.51 -0.07 | 29.69 -4.08 -0.03 | 26.59 -3.50 -0.65 |
| MODERN_LFGE__ 323580 | 30.80 -3.73 0.02 | 27.24 -3.44 0.02 | 25.18 -2.89 0.02 | 25.08 -3.01 0.02 | 25.30 -2.88 0.02 | 25.30 -2.63 0.00 | 25.76 -2.46 0.00 | 28.70 -2.98 0.01 | 29.60 -3.59 0.02 | 26.36 -3.77 2.06 | 25.07 -3.96 6.97 | 24.18 -4.13 7.29 | 20.39 -4.01 10.46 | 19.39 -3.70 9.93 | 19.38 -4.27 13.82 | 18.94 -3.84 12.77 | 19.46 -3.22 11.98 | 19.50 -3.78 18.31 | 28.14 -4.13 4.28 | 33.96 -5.66 8.34 | 32.89 -5.75 10.54 | 31.66 -4.51 -0.07 | 29.69 -4.08 -0.03 | 26.59 -3.50 -0.65 |
| MOHAWK_PAPER__DRP 24187 | 35.86 1.31 0.00 | 32.02 1.32 0.00 | 29.32 1.24 0.00 | 29.34 1.24 0.00 | 29.38 1.18 0.00 | 29.08 1.15 0.00 | 29.24 1.02 0.00 | 32.86 1.17 0.00 | 34.47 1.26 0.00 | 33.44 1.26 0.00 | 37.41 1.40 0.00 | 37.02 1.42 0.00 | 36.25 1.39 0.00 | 34.37 1.35 0.00 | 39.62 1.50 -0.65 | 37.07 1.53 0.00 | 36.06 1.39 0.00 | 43.30 1.71 0.00 | 46.01 1.54 -7.92 | 50.02 2.06 0.00 | 59.99 1.92 -8.89 | 52.90 1.44 -15.35 | 42.79 1.42 -7.63 | 41.46 1.15 -10.88 |
| MOHICAN__35_KV_115KV_LD 80490 | 36.66 2.11 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.90 1.80 0.00 | 29.94 1.75 0.00 | 29.63 1.70 0.00 | 29.94 1.72 0.00 | 33.46 1.77 0.00 | 35.03 1.83 0.00 | 33.96 1.77 0.00 | 37.95 1.94 0.00 | 37.52 1.92 0.00 | 36.74 1.88 0.00 | 34.80 1.78 0.00 | 40.12 1.99 -0.66 | 37.50 1.95 0.00 | 36.47 1.80 0.00 | 44.05 2.45 0.00 | 46.92 2.30 -8.07 | 50.98 3.02 0.00 | 61.28 3.05 -9.05 | 53.94 2.20 -15.63 | 43.51 1.99 -7.78 | 42.18 1.65 -11.09 |
| MONGAUP__HYD 23641 | 36.49 1.93 0.00 | 32.42 1.72 0.00 | 29.66 1.57 0.00 | 29.71 1.60 0.00 | 29.69 1.49 0.00 | 29.47 1.54 0.00 | 29.58 1.35 0.00 | 33.28 1.58 0.00 | 35.00 1.79 0.00 | 34.75 1.96 -0.60 | 38.96 1.98 -0.98 | 38.59 1.99 -1.01 | 39.80 1.92 -3.02 | 37.73 1.85 -2.86 | 42.07 2.14 -2.46 | 41.36 2.13 -3.68 | 38.37 2.01 -1.69 | 46.01 2.16 -2.26 | 45.61 2.19 -6.87 | 52.83 3.16 -1.70 | 62.49 3.54 -9.77 | 51.89 2.46 -13.33 | 42.57 2.23 -6.60 | 40.45 1.89 -9.12 |

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|--|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| MONTAUK___DIESEL 23721 | 38.47 3.90 -0.01 | 34.07 3.38 0.00 | 31.21 3.12 0.00 | 31.46 3.34 -0.01 | 31.44 3.24 -0.01 | 31.17 3.24 0.00 | 31.56 3.33 -0.01 | 35.53 3.83 -0.01 | 37.30 4.08 -0.01 | 36.70 3.96 -0.55 | 43.82 4.28 -3.53 | 43.32 4.13 -3.60 | 47.99 4.01 -9.12 | 50.31 3.80 -13.49 | 48.83 4.31 -7.04 | 48.71 4.16 -9.01 | 45.81 3.74 -7.39 | 50.20 4.08 -4.54 | 50.07 3.66 -9.86 | 54.12 4.65 -1.52 | 63.98 4.92 -9.87 | 53.19 3.18 -13.91 | 43.64 2.97 -6.93 | 41.50 2.50 -9.56 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 32.15 -2.38 0.02 | 28.44 -2.24 0.02 | 26.05 -2.02 0.02 | 25.89 -2.19 0.02 | 26.09 -2.09 0.02 | 25.89 -2.04 0.00 | 26.50 -1.72 0.00 | 29.49 -2.19 0.01 | 31.63 -1.56 0.02 | 27.23 -2.41 2.55 | 24.82 -2.45 8.73 | 23.85 -2.74 9.00 | 19.42 -2.61 12.83 | 18.39 -2.48 12.15 | 17.39 -3.00 17.08 | 17.04 -2.88 15.63 | 23.28 -3.05 8.34 | 25.39 -3.66 12.55 | 28.89 -3.40 4.27 | 34.76 -4.60 8.59 | 33.77 -4.82 10.60 | 33.01 -3.14 -0.05 | 31.01 -2.63 0.10 | 27.82 -2.27 -0.65 |
| MORRIS_RIDGE___SOLAR 323848 | 32.45 -2.07 0.02 | 28.80 -1.87 0.02 | 26.35 -1.71 0.02 | 26.31 -1.77 0.02 | 26.42 -1.75 0.02 | 26.23 -1.70 0.00 | 26.70 -1.52 0.00 | 29.74 -1.93 0.01 | 31.36 -1.83 0.03 | 26.69 -2.32 3.18 | 22.26 -2.45 11.30 | 21.18 -2.78 11.63 | 16.07 -2.75 16.04 | 15.19 -2.64 15.19 | 12.35 -3.03 22.09 | 13.31 -2.70 19.53 | 20.67 -2.57 11.44 | 21.30 -2.95 17.34 | 4.89 -2.67 28.99 | 36.93 -3.17 7.86 | 36.55 -3.10 9.53 | 33.44 -2.27 0.39 | 31.28 -2.26 0.20 | 28.10 -1.97 -0.63 |
| MORTIMER_115KV_TB3 55949 | 33.09 -1.45 0.01 | 29.06 -1.63 0.01 | 26.65 -1.43 0.01 | 26.63 -1.46 0.01 | 26.86 -1.33 0.01 | 26.84 -1.09 0.00 | 27.32 -0.90 0.00 | 30.45 -1.24 0.00 | 31.50 -1.69 0.01 | 28.32 -2.29 1.58 | 29.06 -2.38 4.56 | 28.33 -2.56 4.70 | 24.45 -2.44 7.97 | 23.19 -2.28 7.55 | 25.99 -2.59 8.90 | 23.49 -2.35 9.71 | 24.51 -1.80 8.36 | 26.86 -2.16 12.57 | 34.46 -2.34 -0.25 | 35.52 -3.17 9.28 | 34.19 -3.15 11.85 | 34.37 -2.17 -0.43 | 31.76 -2.06 -0.07 | 28.52 -1.59 -0.67 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 36.73 2.18 0.00 | 32.48 1.78 0.00 | 29.75 1.66 0.00 | 29.76 1.66 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.21 2.48 -0.54 | 38.74 2.74 0.00 | 38.44 2.85 0.00 | 40.30 2.72 -2.72 | 38.20 2.61 -2.57 | 41.08 3.04 -0.56 | 41.84 2.99 -3.31 | 38.96 2.77 -1.51 | 46.73 3.33 -1.81 | 46.71 3.00 -7.16 | 53.49 4.03 -1.51 | 63.77 4.72 -9.87 | 53.30 3.29 -13.91 | 43.53 2.87 -6.92 | 41.34 2.36 -9.55 |
| MUNSVILLE_WIND_PWR 323609 | 36.63 2.07 0.00 | 32.51 1.81 0.00 | 29.78 1.69 0.00 | 29.71 1.60 0.00 | 29.86 1.66 0.00 | 29.47 1.54 0.00 | 30.03 1.81 0.00 | 33.66 1.97 0.00 | 35.10 1.89 0.00 | 34.40 1.41 -0.80 | 39.78 1.66 -2.12 | 38.81 1.03 -2.18 | 40.09 1.22 -4.01 | 37.94 1.12 -3.79 | 43.06 1.23 -4.35 | 41.99 1.56 -4.88 | 38.46 1.52 -2.27 | 46.81 2.00 -3.23 | 42.02 1.79 -3.68 | 54.33 2.54 -3.84 | 59.67 2.65 -7.83 | 43.03 1.88 -5.05 | 38.06 1.82 -2.50 | 34.26 1.59 -3.24 |
| N SALMON___HYD 24042 | 34.17 -0.38 0.00 | 30.36 -0.34 0.00 | 27.69 -0.39 0.00 | 27.79 -0.31 0.00 | 27.97 -0.23 0.00 | 27.76 -0.17 0.00 | 28.14 -0.08 0.00 | 31.56 -0.13 0.00 | 33.17 -0.03 0.00 | 32.22 0.03 0.00 | 35.97 -0.04 0.00 | 35.63 0.04 0.00 | 34.83 -0.03 0.00 | 32.95 -0.07 0.00 | 37.33 -0.15 0.00 | 35.40 -0.14 0.00 | 34.64 -0.03 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.91 -0.05 0.00 | 49.13 -0.05 0.00 | 35.89 -0.22 0.00 | 33.40 -0.34 0.00 | 29.03 -0.41 0.00 |
| N.AKRON__115KV_KNAPP 355671 | 32.05 -2.49 0.01 | 28.26 -2.42 0.01 | 25.91 -2.16 0.01 | 25.90 -2.19 0.01 | 26.09 -2.09 0.01 | 26.09 -1.84 0.00 | 26.58 -1.64 0.00 | 29.53 -2.15 0.01 | 30.74 -2.46 0.01 | 27.12 -3.09 1.98 | 26.44 -3.24 6.33 | 25.56 -3.45 6.58 | 21.52 -3.35 9.99 | 20.47 -3.07 9.48 | 21.48 -3.52 12.47 | 20.23 -3.13 12.19 | 23.90 -2.57 8.21 | 26.29 -2.95 12.35 | 29.78 -3.25 3.52 | 34.71 -4.46 8.79 | 33.67 -4.48 11.04 | 32.98 -3.39 -0.27 | 30.64 -3.10 0.00 | 27.59 -2.50 -0.66 |
| N.BELMOR_69_KV_BK1 55787 | 37.40 2.83 -0.01 | 33.12 2.42 0.00 | 30.28 2.19 0.00 | 30.31 2.19 -0.01 | 30.35 2.14 -0.01 | 30.11 2.18 0.00 | 30.49 2.26 -0.01 | 34.40 2.69 -0.01 | 36.18 2.96 -0.01 | 35.76 3.03 -0.55 | 44.03 3.28 -4.75 | 43.78 3.35 -4.84 | 49.40 3.21 -11.33 | 53.28 3.00 -17.26 | 50.27 3.52 -9.27 | 50.00 3.48 -10.97 | 47.39 3.29 -9.42 | 50.98 3.91 -5.47 | 50.89 3.55 -10.79 | 54.08 4.60 -1.52 | 64.32 5.26 -9.88 | 53.59 3.57 -13.91 | 44.09 3.41 -6.94 | 41.82 2.83 -9.56 |
| N.E._GEN_SANDY PD 24062 | 43.00 1.80 -6.65 | 40.40 1.60 -8.11 | 35.80 1.46 -6.25 | 36.90 1.46 -7.34 | 42.20 1.41 -12.60 | 44.30 1.40 -14.97 | 45.72 1.35 -16.14 | 42.50 1.58 -9.23 | 35.00 1.79 0.00 | 34.33 1.74 -0.41 | 37.87 1.87 0.00 | 37.55 1.96 0.00 | 40.30 1.92 -3.52 | 43.60 1.85 -8.73 | 43.90 2.10 -4.33 | 43.40 2.10 -5.76 | 44.30 1.94 -7.69 | 45.30 2.33 -1.38 | 51.54 2.12 -12.87 | 57.00 2.83 -6.21 | 61.90 2.65 -10.06 | 53.19 2.09 -14.99 | 45.60 1.96 -9.90 | 41.42 1.65 -10.34 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 36.59 2.04 0.00 | 32.38 1.69 0.00 | 29.69 1.60 0.00 | 29.68 1.57 0.00 | 29.69 1.49 0.00 | 29.44 1.51 0.00 | 29.80 1.58 0.00 | 33.62 1.93 0.00 | 35.40 2.19 0.00 | 35.07 2.32 -0.56 | 38.52 2.52 0.00 | 38.19 2.60 0.00 | 40.20 2.51 -2.83 | 38.11 2.41 -2.68 | 40.84 2.81 -0.55 | 41.77 2.77 -3.45 | 38.81 2.57 -1.58 | 46.52 3.04 -1.89 | 46.27 2.67 -7.05 | 53.22 3.69 -1.57 | 63.14 4.13 -9.82 | 52.66 2.85 -13.70 | 43.05 2.53 -6.78 | 40.82 2.06 -9.32 |
| N.QUEENS_27_KV_LOAD 356247 | 36.76 2.21 0.00 | 32.54 1.84 0.00 | 29.80 1.71 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.49 1.56 0.00 | 29.74 1.52 0.00 | 33.62 1.93 0.00 | 35.43 2.22 0.00 | 35.14 2.41 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.12 2.54 -2.72 | 38.04 2.44 -2.57 | 40.85 2.81 -0.56 | 41.66 2.81 -3.31 | 38.75 2.57 -1.51 | 46.52 3.12 -1.81 | 46.49 2.78 -7.16 | 53.21 3.74 -1.51 | 63.67 4.62 -9.87 | 53.15 3.14 -13.91 | 43.30 2.63 -6.92 | 41.13 2.15 -9.54 |
| N.TROY___115KV_TB1 355778 | 36.07 1.52 0.00 | 32.11 1.41 0.00 | 29.38 1.29 0.00 | 29.42 1.32 0.00 | 29.46 1.27 0.00 | 29.16 1.23 0.00 | 29.43 1.21 0.00 | 33.05 1.36 0.00 | 34.64 1.43 0.00 | 33.60 1.42 0.00 | 37.55 1.55 0.00 | 37.20 1.60 0.00 | 36.43 1.57 0.00 | 34.54 1.52 0.00 | 39.81 1.69 -0.65 | 37.22 1.67 0.00 | 36.23 1.56 0.00 | 43.55 1.95 0.00 | 46.31 1.79 -7.97 | 50.35 2.40 0.00 | 60.29 2.16 -8.94 | 53.25 1.70 -15.45 | 43.04 1.62 -7.67 | 41.68 1.30 -10.95 |
| NARROWS_GT1_1 24228 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT1_2 24229 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |

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| NARROWS_GT1_3 24230 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT1_4 24231 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT1_5 24232 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT1_6 24233 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT1_7 24234 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT1_8 24235 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT2_1 24236 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NARROWS_GT2_2 24237 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 | | | | | | | | | | | | | | | | | | | | |

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| NCHELSEA_115KV_TR2 355582 | 36.83 2.28 0.00 | 32.63 1.93 0.00 | 29.91 1.83 0.00 | 29.93 1.83 0.00 | 29.94 1.75 0.00 | 29.66 1.73 0.00 | 30.00 1.78 0.00 | 33.81 2.12 0.00 | 35.63 2.42 0.00 | 35.22 2.51 -0.52 | 38.60 2.59 0.00 | 38.19 2.60 0.00 | 39.95 2.48 -2.62 | 37.88 2.38 -2.48 | 40.82 2.77 -0.57 | 41.51 2.77 -3.19 | 38.59 2.46 -1.46 | 46.25 2.91 -1.75 | 46.57 2.74 -7.28 | 53.20 3.79 -1.45 | 63.13 4.13 -9.81 | 52.93 2.89 -13.93 | 43.25 2.60 -6.91 | 41.13 2.15 -9.54 |
| NEG CAPITAL___MECHNVIL 23645 | 36.52 1.97 0.00 | 32.48 1.78 0.00 | 29.69 1.60 0.00 | 29.73 1.63 0.00 | 29.77 1.58 0.00 | 29.47 1.54 0.00 | 29.74 1.52 0.00 | 33.37 1.68 0.00 | 35.00 1.79 0.00 | 33.89 1.70 0.00 | 37.91 1.91 0.00 | 37.51 1.92 0.00 | 36.74 1.88 0.00 | 34.80 1.78 0.00 | 40.15 2.02 -0.65 | 37.53 1.99 0.00 | 36.47 1.80 0.00 | 43.96 2.37 0.00 | 46.78 2.16 -8.07 | 50.83 2.88 0.00 | 60.99 2.75 -9.06 | 53.84 2.09 -15.64 | 43.41 1.92 -7.74 | 42.13 1.65 -11.04 |
| NEG CENTRAL_HIGH_ACRES 23767 | 32.50 -2.04 0.01 | 28.63 -2.06 0.01 | 26.39 -1.68 0.01 | 26.32 -1.77 0.01 | 26.55 -1.64 0.01 | 26.56 -1.37 0.00 | 26.98 -1.24 0.00 | 30.13 -1.55 0.00 | 31.04 -2.16 0.01 | 28.41 -2.35 1.43 | 29.37 -2.52 4.11 | 28.69 -2.67 4.23 | 25.06 -2.58 7.22 | 23.77 -2.41 6.84 | 26.78 -2.70 8.00 | 24.23 -2.52 8.80 | 19.97 -2.08 12.62 | 19.85 -2.45 19.29 | 34.32 -2.45 -0.22 | 34.84 -3.31 9.81 | 33.07 -3.35 12.77 | 34.17 -2.31 -0.38 | 31.73 -2.19 -0.19 | 28.19 -1.97 -0.72 |
| NEG CENTRAL___DRP 24199 | 34.20 -0.35 0.01 | 30.32 -0.37 0.01 | 27.74 -0.34 0.01 | 27.73 -0.37 0.01 | 27.85 -0.34 0.01 | 27.68 -0.25 0.00 | 28.05 -0.17 0.00 | 31.31 -0.38 0.00 | 32.73 -0.46 0.01 | 29.91 -0.64 1.63 | 31.16 -0.68 4.16 | 30.46 -0.85 4.28 | 25.81 -0.84 8.22 | 24.51 -0.73 7.78 | 28.56 -0.82 8.09 | 24.76 -0.78 10.01 | 45.40 -0.62 -11.35 | 59.45 -0.71 -18.56 | 38.32 -0.48 -2.24 | 62.58 -0.58 -15.20 | 71.04 -0.54 -22.40 | 36.29 -0.32 -0.51 | 33.50 -0.37 -0.13 | 29.96 -0.29 -0.82 |
| NEG CENTRAL___INDECK 23768 | 33.67 -0.86 0.02 | 29.66 -1.01 0.02 | 27.25 -0.82 0.02 | 27.21 -0.87 0.02 | 27.44 -0.73 0.02 | 27.40 -0.53 0.00 | 27.88 -0.34 0.00 | 31.08 -0.60 0.01 | 32.19 -1.00 0.02 | 28.04 -1.45 2.70 | 25.35 -1.55 9.10 | 24.33 -1.89 9.37 | 19.35 -1.88 13.62 | 18.30 -1.82 12.90 | 17.62 -2.06 17.79 | 17.18 -1.78 16.59 | 22.43 -1.35 10.89 | 23.77 -1.37 16.45 | 56.00 -1.24 -20.69 | 39.34 -1.39 7.22 | 39.10 -1.28 8.81 | 35.03 -0.87 0.21 | 32.65 -0.98 0.11 | 29.09 -1.00 -0.65 |
| NEG CENTRAL___SENECA 23627 | 33.95 -0.59 0.01 | 30.13 -0.55 0.01 | 27.54 -0.53 0.01 | 27.53 -0.56 0.01 | 27.64 -0.54 0.01 | 27.54 -0.39 0.00 | 27.94 -0.28 0.00 | 31.14 -0.54 0.01 | 32.60 -0.60 0.01 | 29.19 -0.87 2.12 | 29.03 -0.94 6.04 | 28.24 -1.14 6.22 | 23.04 -1.12 10.70 | 21.89 -0.99 10.14 | 24.57 -1.12 11.78 | 21.52 -1.00 13.03 | 54.16 -0.80 -20.29 | 73.38 -0.87 -32.66 | 39.09 -0.69 -3.24 | 73.71 -0.86 -26.62 | 86.77 -0.84 -38.42 | 35.77 -0.54 -0.20 | 33.14 -0.57 0.03 | 29.68 -0.50 -0.74 |
| NEG CENTRAL___STATE_STREET 24147 | 34.55 0.00 0.01 | 30.63 -0.06 0.01 | 28.03 -0.06 0.01 | 28.01 -0.08 0.01 | 28.13 -0.06 0.01 | 27.93 0.00 0.00 | 28.28 0.06 0.00 | 31.59 -0.10 0.00 | 33.04 -0.17 0.01 | 30.72 -0.29 1.18 | 33.37 -0.29 2.34 | 32.72 -0.46 2.41 | 28.49 -0.42 5.95 | 27.05 -0.33 5.64 | 32.62 -0.34 4.52 | 27.94 -0.36 7.25 | 35.03 -0.24 -0.61 | 42.98 -0.25 -1.63 | 37.01 -0.04 -0.50 | 49.47 -0.05 -1.56 | 52.59 0.05 -3.36 | 37.07 0.04 -0.93 | 34.08 0.00 -0.34 | 30.47 0.03 -1.00 |
| NEG MILLWOOD___DRP 24198 | 36.83 2.28 0.00 | 32.63 1.93 0.00 | 29.89 1.80 0.00 | 29.90 1.80 0.00 | 29.88 1.69 0.00 | 29.63 1.70 0.00 | 30.00 1.78 0.00 | 33.85 2.15 0.00 | 35.67 2.46 0.00 | 35.32 2.61 -0.52 | 38.92 2.92 0.00 | 38.58 2.99 0.00 | 40.34 2.86 -2.62 | 38.28 2.77 -2.49 | 41.27 3.22 -0.57 | 41.90 3.16 -3.20 | 39.05 2.91 -1.46 | 46.71 3.37 -1.75 | 46.81 3.00 -7.26 | 53.54 4.12 -1.46 | 63.47 4.43 -9.86 | 53.15 3.03 -14.01 | 43.39 2.70 -6.95 | 41.24 2.21 -9.60 |
| NEG NORTH_FLCN_SEA 23793 | 34.24 -0.31 0.00 | 30.42 -0.28 0.00 | 27.78 -0.31 0.00 | 27.88 -0.22 0.00 | 28.05 -0.14 0.00 | 27.87 -0.06 0.00 | 28.19 -0.03 0.00 | 31.63 -0.06 0.00 | 33.21 0.00 0.00 | 32.25 0.06 0.00 | 36.04 0.04 0.00 | 35.66 0.07 0.00 | 34.86 0.00 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.64 -0.03 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.91 -0.05 0.00 | 49.09 -0.10 0.00 | 35.89 -0.22 0.00 | 33.44 -0.30 0.00 | 29.11 -0.32 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 33.90 -0.66 0.00 | 30.11 -0.58 0.00 | 27.53 -0.56 0.00 | 27.60 -0.51 0.00 | 27.74 -0.45 0.00 | 27.54 -0.39 0.00 | 27.85 -0.37 0.00 | 31.25 -0.44 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.57 -0.43 0.00 | 35.17 -0.43 0.00 | 34.41 -0.45 0.00 | 32.56 -0.46 0.00 | 36.91 -0.56 0.00 | 35.01 -0.53 0.00 | 34.22 -0.45 0.00 | 41.09 -0.50 0.00 | 36.11 -0.44 0.00 | 47.38 -0.58 0.00 | 48.54 -0.64 0.00 | 35.49 -0.61 0.00 | 33.10 -0.64 0.00 | 28.82 -0.62 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.81 -0.28 0.00 | 27.91 -0.20 0.00 | 28.08 -0.11 0.00 | 27.90 -0.03 0.00 | 28.22 0.00 0.00 | 31.66 -0.03 0.00 | 33.24 0.03 0.00 | 32.28 0.10 0.00 | 36.04 0.04 0.00 | 35.70 0.11 0.00 | 34.90 0.03 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.67 0.00 0.00 | 41.63 0.04 0.00 | 36.59 0.04 0.00 | 48.01 0.05 0.00 | 49.23 0.05 0.00 | 35.96 -0.14 0.00 | 33.51 -0.24 0.00 | 29.14 -0.29 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.81 -0.28 0.00 | 27.91 -0.20 0.00 | 28.08 -0.11 0.00 | 27.90 -0.03 0.00 | 28.22 0.00 0.00 | 31.66 -0.03 0.00 | 33.24 0.03 0.00 | 32.28 0.10 0.00 | 36.04 0.04 0.00 | 35.70 0.11 0.00 | 34.90 0.03 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.67 0.00 0.00 | 41.63 0.04 0.00 | 36.59 0.04 0.00 | 48.01 0.05 0.00 | 49.23 0.05 0.00 | 35.96 -0.14 0.00 | 33.51 -0.24 0.00 | 29.14 -0.29 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.81 -0.28 0.00 | 27.91 -0.20 0.00 | 28.08 -0.11 0.00 | 27.87 -0.06 0.00 | 28.22 0.00 0.00 | 31.66 -0.03 0.00 | 33.24 0.03 0.00 | 32.28 0.10 0.00 | 36.04 0.04 0.00 | 35.70 0.11 0.00 | 34.90 0.03 0.00 | 32.99 -0.03 0.00 | 37.40 -0.07 0.00 | 35.47 -0.07 0.00 | 34.67 0.00 0.00 | 41.63 0.04 0.00 | 36.59 0.04 0.00 | 48.01 0.05 0.00 | 49.23 0.05 0.00 | 35.96 -0.14 0.00 | 33.51 -0.23 0.00 | 29.11 -0.32 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 31.46 -3.08 0.02 | 27.80 -2.89 0.02 | 25.46 -2.61 0.02 | 25.45 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.10 -2.12 0.00 | 28.99 -2.69 0.01 | 30.20 -2.99 0.02 | 26.52 -3.61 2.06 | 25.48 -3.82 6.71 | 24.64 -3.99 6.97 | 20.56 -3.87 10.43 | 19.56 -3.57 9.90 | 20.18 -4.08 13.21 | 19.13 -3.70 12.72 | 23.37 -3.12 8.18 | 25.62 -3.66 12.31 | 28.21 -3.95 4.39 | 33.84 -5.42 8.70 | 32.79 -5.51 10.89 | 32.22 -4.12 -0.23 | 29.98 -3.75 0.01 | 27.12 -2.97 -0.65 |
| NEG WEST___LANCASTR 23811 | 31.70 -2.83 0.02 | 28.62 -2.06 0.02 | 25.96 -2.11 0.02 | 26.12 -1.97 0.02 | 25.97 -2.20 0.02 | 25.47 -2.46 0.00 | 26.05 -2.17 0.00 | 29.02 -2.66 0.01 | 31.86 -1.33 0.02 | 27.93 -1.74 2.52 | 25.61 -1.73 8.67 | 24.69 -1.96 8.95 | 20.32 -1.85 12.69 | 19.31 -1.68 12.02 | 18.55 -1.95 16.98 | 18.38 -1.71 15.46 | 23.90 -2.39 8.38 | 26.38 -2.58 12.63 | 30.09 -1.83 4.63 | 36.80 -2.49 8.66 | 36.03 -2.46 10.70 | 34.55 -1.62 -0.07 | 32.20 -1.45 0.09 | 28.35 -1.74 -0.65 |

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| NEG_PENN_ALLEGHNY 23528 | 34.95 0.38 -0.02 | 31.11 0.40 -0.02 | 28.45 0.34 -0.02 | 28.43 0.31 -0.02 | 28.52 0.31 -0.02 | 28.24 0.31 0.00 | 28.56 0.34 0.00 | 32.02 0.32 -0.01 | 33.63 0.40 -0.02 | 36.25 0.35 -3.71 | 44.97 0.43 -8.54 | 44.70 0.32 -8.79 | 53.83 0.31 -18.66 | 51.02 0.33 -17.67 | 54.81 0.37 -16.96 | 58.66 0.39 -22.73 | 45.55 0.38 -10.50 | 56.67 0.46 -14.62 | 41.02 0.51 -3.96 | 60.29 0.72 -11.61 | 68.70 0.84 -18.68 | 44.47 0.58 -7.79 | 38.14 0.54 -3.86 | 33.86 0.47 -3.95 |
| NEG___GEN_MONROE 24207 | 32.85 -1.69 0.01 | 28.87 -1.81 0.01 | 26.50 -1.57 0.01 | 26.49 -1.60 0.01 | 26.72 -1.47 0.01 | 26.73 -1.20 0.00 | 27.18 -1.04 0.00 | 30.23 -1.46 0.01 | 31.30 -1.89 0.01 | 28.07 -2.51 1.60 | 28.68 -2.66 4.66 | 27.98 -2.81 4.80 | 24.03 -2.75 8.08 | 22.82 -2.54 7.65 | 25.50 -2.89 9.09 | 23.07 -2.63 9.84 | 24.17 -2.15 8.35 | 26.45 -2.58 12.56 | 34.13 -2.67 -0.25 | 35.16 -3.55 9.25 | 33.84 -3.54 11.80 | 34.03 -2.49 -0.42 | 31.48 -2.33 -0.07 | 28.37 -1.74 -0.67 |
| NEPA___ENERGY 23901 | 32.29 -2.25 0.02 | 28.68 -2.00 0.02 | 26.24 -1.83 0.02 | 26.20 -1.88 0.02 | 26.31 -1.86 0.02 | 26.14 -1.79 0.00 | 26.72 -1.50 0.00 | 29.71 -1.96 0.01 | 31.63 -1.56 0.02 | 27.39 -2.25 2.54 | 24.88 -2.30 8.82 | 23.98 -2.53 9.09 | 19.60 -2.44 12.82 | 18.63 -2.25 12.15 | 17.61 -2.62 17.24 | 17.54 -2.38 15.62 | 23.91 -2.36 8.40 | 26.13 -2.79 12.68 | 28.79 -2.60 5.16 | 35.87 -3.40 8.68 | 34.98 -3.49 10.72 | 33.75 -2.42 -0.06 | 31.46 -2.19 0.09 | 28.11 -1.97 -0.65 |
| NEVERSINK___HYD 23608 | 36.83 2.28 0.00 | 32.72 2.03 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 30.00 1.81 0.00 | 29.74 1.81 0.00 | 30.08 1.86 0.00 | 33.88 2.18 0.00 | 35.73 2.52 0.00 | 35.35 2.51 -0.65 | 39.66 2.52 -1.14 | 39.18 2.42 -1.17 | 40.48 2.34 -3.28 | 38.37 2.25 -3.11 | 42.82 2.58 -2.76 | 42.17 2.63 -3.99 | 38.91 2.36 -1.88 | 46.91 2.79 -2.53 | 46.05 2.63 -6.86 | 53.41 3.74 -1.71 | 63.03 4.08 -9.77 | 52.28 2.85 -13.32 | 42.97 2.63 -6.59 | 40.79 2.24 -9.12 |
| NEWKRMKL_115KV_TB1 55635 | 35.59 1.04 0.00 | 31.83 1.14 0.00 | 29.16 1.07 0.00 | 29.20 1.10 0.00 | 29.21 1.01 0.00 | 28.91 0.98 0.00 | 29.01 0.79 0.00 | 32.61 0.92 0.00 | 34.20 1.00 0.00 | 33.22 1.03 0.00 | 37.12 1.12 0.00 | 36.77 1.17 0.00 | 36.01 1.15 0.00 | 34.11 1.09 0.00 | 39.32 1.20 -0.64 | 36.79 1.24 0.00 | 35.75 1.07 0.00 | 42.92 1.33 0.00 | 45.63 1.17 -7.91 | 49.59 1.63 0.00 | 59.48 1.43 -8.87 | 52.51 1.08 -15.32 | 42.47 1.11 -7.61 | 41.18 0.88 -10.86 |
| NEWTON___FALLS_HYD 23847 | 33.14 -1.42 0.00 | 29.41 -1.29 0.00 | 26.77 -1.32 0.00 | 26.75 -1.35 0.00 | 26.92 -1.27 0.00 | 26.62 -1.31 0.00 | 26.92 -1.30 0.00 | 30.07 -1.62 0.00 | 31.45 -1.76 0.00 | 30.48 -1.71 0.00 | 34.17 -1.84 0.00 | 33.67 -1.92 0.00 | 32.98 -1.88 0.00 | 31.17 -1.85 0.00 | 35.36 -2.14 -0.02 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.64 -1.95 0.00 | 35.43 -1.39 -0.26 | 46.28 -1.68 0.00 | 47.81 -1.67 -0.30 | 35.36 -1.26 -0.51 | 32.91 -1.05 -0.21 | 28.80 -0.94 -0.30 |
| NGRID_A1_DSASP 323792 | 30.94 -3.59 0.02 | 27.18 -3.50 0.02 | 24.93 -3.15 0.02 | 24.88 -3.20 0.02 | 25.10 -3.07 0.02 | 25.17 -2.77 0.00 | 25.72 -2.48 0.02 | 28.62 -3.04 0.03 | 29.67 -3.52 0.02 | 26.13 -3.93 2.13 | 24.90 -4.14 6.96 | 24.13 -4.31 7.16 | 19.93 -4.18 10.74 | 18.98 -3.86 10.18 | 19.48 -4.42 13.58 | 18.45 -4.02 13.08 | 22.57 -3.88 8.21 | 24.60 -4.70 12.30 | 27.72 -4.31 4.52 | 32.56 -6.71 8.69 | 31.53 -6.79 10.86 | 31.47 -4.84 -0.20 | 29.36 -4.35 0.03 | 26.70 -3.39 -0.65 |
| NGRID_A2_DSASP 323793 | 30.94 -3.59 0.02 | 27.18 -3.50 0.02 | 24.93 -3.15 0.02 | 24.88 -3.20 0.02 | 25.10 -3.07 0.02 | 25.17 -2.77 0.00 | 25.72 -2.48 0.02 | 28.62 -3.04 0.03 | 29.67 -3.52 0.02 | 26.13 -3.93 2.13 | 24.90 -4.14 6.96 | 24.13 -4.31 7.16 | 19.93 -4.18 10.74 | 18.98 -3.86 10.18 | 19.48 -4.42 13.58 | 18.45 -4.02 13.08 | 22.57 -3.88 8.21 | 24.60 -4.70 12.30 | 27.72 -4.31 4.52 | 32.56 -6.71 8.69 | 31.53 -6.79 10.86 | 31.47 -4.84 -0.20 | 29.36 -4.35 0.03 | 26.70 -3.39 -0.65 |
| NGRID_A4_DSASP 323807 | 30.94 -3.59 0.02 | 27.18 -3.50 0.02 | 24.93 -3.15 0.02 | 24.88 -3.20 0.02 | 25.10 -3.07 0.02 | 25.17 -2.77 0.00 | 25.72 -2.48 0.02 | 28.62 -3.04 0.03 | 29.67 -3.52 0.02 | 26.13 -3.93 2.13 | 24.90 -4.14 6.96 | 24.13 -4.31 7.16 | 19.93 -4.18 10.74 | 18.98 -3.86 10.18 | 19.48 -4.42 13.58 | 18.45 -4.02 13.08 | 22.57 -3.88 8.21 | 24.60 -4.70 12.30 | 27.72 -4.31 4.52 | 32.56 -6.71 8.69 | 31.53 -6.79 10.86 | 31.47 -4.84 -0.20 | 29.36 -4.35 0.03 | 26.70 -3.39 -0.65 |
| NIAGARA_115E_LBMP 323715 | 30.63 -3.90 0.02 | 27.12 -3.56 0.02 | 25.09 -2.98 0.02 | 24.97 -3.12 0.02 | 25.22 -2.96 0.02 | 25.19 -2.74 0.00 | 25.62 -2.60 0.00 | 28.58 -3.10 0.01 | 29.44 -3.75 0.02 | 26.24 -3.86 2.08 | 24.91 -4.03 7.06 | 23.99 -4.20 7.40 | 20.20 -4.08 10.58 | 19.18 -3.80 10.04 | 19.09 -4.35 14.04 | 18.72 -3.91 12.92 | 19.41 -3.29 11.96 | 19.45 -3.87 18.28 | 27.94 -4.24 4.37 | 33.84 -5.80 8.31 | 32.79 -5.90 10.49 | 31.48 -4.69 -0.06 | 29.52 -4.25 -0.03 | 26.47 -3.62 -0.65 |
| NIAGARA_115W_LBMP 323714 | 30.46 -4.08 0.02 | 26.75 -3.93 0.02 | 24.79 -3.29 0.02 | 24.66 -3.43 0.02 | 24.91 -3.27 0.02 | 25.00 -2.93 0.00 | 25.58 -2.62 0.02 | 28.56 -3.10 0.03 | 29.27 -3.92 0.02 | 26.12 -3.96 2.11 | 24.64 -4.14 7.23 | 23.86 -4.31 7.43 | 20.02 -4.22 10.62 | 19.07 -3.90 10.06 | 18.93 -4.46 14.09 | 18.60 -4.02 12.93 | 18.75 -3.99 11.93 | 18.62 -4.78 18.20 | 27.65 -4.35 4.55 | 32.89 -6.76 8.31 | 31.81 -6.89 10.49 | 31.30 -4.88 -0.07 | 29.35 -4.42 -0.03 | 26.23 -3.86 -0.65 |
| NIAGARA_230_LBMP 323716 | 31.05 -3.49 0.02 | 27.30 -3.38 0.02 | 25.26 -2.81 0.02 | 25.16 -2.92 0.02 | 25.39 -2.79 0.02 | 25.44 -2.49 0.00 | 26.02 -2.20 0.00 | 29.02 -2.66 0.01 | 29.87 -3.32 0.02 | 26.29 -3.83 2.06 | 24.93 -4.03 7.04 | 24.21 -4.16 7.22 | 20.40 -4.08 10.38 | 19.43 -3.77 9.83 | 19.48 -4.31 13.69 | 19.00 -3.91 12.64 | 19.43 -3.33 11.91 | 19.43 -3.95 18.22 | 28.00 -4.20 4.35 | 33.81 -5.85 8.29 | 32.81 -5.90 10.47 | 32.00 -4.19 -0.08 | 30.00 -3.78 -0.04 | 26.79 -3.30 -0.65 |
| NIAGARA___115KV_198_GIBSON 55903 | 30.87 -3.66 0.02 | 27.12 -3.56 0.02 | 24.87 -3.20 0.02 | 24.83 -3.26 0.02 | 25.05 -3.13 0.02 | 25.14 -2.79 0.00 | 25.69 -2.51 0.02 | 28.56 -3.11 0.03 | 29.61 -3.59 0.02 | 26.13 -3.93 2.13 | 24.88 -4.18 6.95 | 24.15 -4.31 7.14 | 19.93 -4.22 10.72 | 19.01 -3.86 10.15 | 19.52 -4.42 13.54 | 18.48 -4.02 13.05 | 22.51 -3.95 8.21 | 24.52 -4.78 12.29 | 27.71 -4.35 4.49 | 32.51 -6.76 8.68 | 31.44 -6.89 10.86 | 31.43 -4.87 -0.20 | 29.29 -4.42 0.03 | 26.65 -3.44 -0.65 |
| NIAGARA____ 23760 | 31.05 -3.49 0.02 | 27.30 -3.38 0.02 | 25.26 -2.81 0.02 | 25.16 -2.92 0.02 | 25.39 -2.79 0.02 | 25.44 -2.49 0.00 | 26.01 -2.20 0.01 | 29.01 -2.66 0.02 | 29.87 -3.32 0.02 | 26.29 -3.83 2.06 | 24.93 -4.03 7.04 | 24.21 -4.16 7.22 | 20.40 -4.08 10.38 | 19.43 -3.77 9.83 | 19.48 -4.31 13.69 | 19.00 -3.91 12.64 | 19.42 -3.33 11.92 | 19.43 -3.95 18.21 | 28.00 -4.20 4.35 | 33.81 -5.85 8.30 | 32.80 -5.90 10.48 | 31.99 -4.19 -0.07 | 29.99 -3.78 -0.03 | 26.79 -3.30 -0.65 |
| NINE_MILE_1 23575 | 33.69 -0.86 0.00 | 29.90 -0.80 0.00 | 27.39 -0.70 0.00 | 27.37 -0.73 0.00 | 27.49 -0.70 0.00 | 27.23 -0.70 0.00 | 27.54 -0.68 0.00 | 30.77 -0.92 0.00 | 32.14 -1.06 0.00 | 30.59 -1.06 0.53 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 30.99 -1.19 2.68 | 29.39 -1.09 2.54 | 36.29 -1.24 -0.05 | 31.00 -1.28 3.27 | 31.98 -1.18 1.51 | 38.33 -1.46 1.81 | 35.69 -1.13 -0.28 | 45.29 -1.54 1.13 | 46.66 -1.47 1.05 | 35.55 -1.08 -0.52 | 32.99 -1.01 -0.26 | 29.26 -0.79 -0.61 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| NINE_MILE_2 23744 | 33.69 -0.86 0.00 | 29.90 -0.80 0.00 | 27.39 -0.70 0.00 | 27.37 -0.73 0.00 | 27.49 -0.70 0.00 | 27.23 -0.70 0.00 | 27.54 -0.68 0.00 | 30.77 -0.92 0.00 | 32.14 -1.06 0.00 | 30.60 -1.06 0.53 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 31.00 -1.19 2.67 | 29.40 -1.09 2.53 | 36.29 -1.24 -0.05 | 31.01 -1.28 3.26 | 31.99 -1.18 1.51 | 38.33 -1.46 1.80 | 35.69 -1.13 -0.28 | 45.30 -1.54 1.12 | 46.66 -1.47 1.05 | 35.58 -1.05 -0.52 | 33.02 -0.98 -0.26 | 29.26 -0.79 -0.61 |
| NM_CAPITAL___DRP 24208 | 35.69 1.14 0.00 | 31.89 1.20 0.00 | 29.21 1.12 0.00 | 29.23 1.12 0.00 | 29.26 1.07 0.00 | 28.94 1.01 0.00 | 29.10 0.87 0.00 | 32.70 1.01 0.00 | 34.30 1.10 0.00 | 33.31 1.13 0.00 | 37.23 1.22 0.00 | 36.87 1.28 0.00 | 36.12 1.25 0.00 | 34.21 1.19 0.00 | 39.47 1.35 -0.64 | 36.90 1.35 0.00 | 35.88 1.21 0.00 | 43.09 1.50 0.00 | 45.76 1.32 -7.90 | 49.73 1.77 0.00 | 59.62 1.57 -8.86 | 52.63 1.23 -15.30 | 42.59 1.25 -7.60 | 41.25 0.97 -10.84 |
| NM_CENTRAL___DRP 24181 | 34.34 -0.21 0.00 | 30.48 -0.21 0.00 | 27.89 -0.20 0.00 | 27.88 -0.22 0.00 | 28.00 -0.20 0.00 | 27.76 -0.17 0.00 | 28.05 -0.17 0.00 | 31.31 -0.38 0.00 | 32.74 -0.46 0.00 | 30.98 -0.52 0.69 | 35.50 -0.50 0.00 | 34.99 -0.61 0.00 | 30.82 -0.56 3.48 | 29.23 -0.50 3.30 | 36.98 -0.56 -0.06 | 30.70 -0.60 4.24 | 32.78 -0.52 1.37 | 39.50 -0.67 1.43 | 36.66 -0.37 -0.48 | 46.20 -0.53 1.23 | 47.93 -0.44 0.82 | 36.72 -0.29 -0.90 | 33.76 -0.30 -0.32 | 30.14 -0.18 -0.88 |
| NM_FRONTIER___DRP 24179 | 30.87 -3.66 0.02 | 27.12 -3.56 0.02 | 24.87 -3.20 0.02 | 24.83 -3.26 0.02 | 25.05 -3.13 0.02 | 25.14 -2.79 0.00 | 25.69 -2.51 0.02 | 28.56 -3.11 0.03 | 29.61 -3.59 0.02 | 26.13 -3.93 2.13 | 24.88 -4.18 6.95 | 24.15 -4.31 7.14 | 19.93 -4.22 10.72 | 19.01 -3.86 10.15 | 19.52 -4.42 13.54 | 18.48 -4.02 13.05 | 22.51 -3.95 8.21 | 24.52 -4.78 12.29 | 27.71 -4.35 4.49 | 32.51 -6.76 8.68 | 31.44 -6.89 10.86 | 31.43 -4.87 -0.20 | 29.29 -4.42 0.03 | 26.65 -3.44 -0.65 |
| NM_ST_REGIS___HYD 24053 | 32.79 -1.76 0.00 | 29.16 -1.53 0.00 | 26.57 -1.52 0.00 | 26.61 -1.49 0.00 | 26.78 -1.41 0.00 | 26.53 -1.40 0.00 | 26.84 -1.38 0.00 | 30.04 -1.65 0.00 | 31.45 -1.76 0.00 | 30.51 -1.67 0.00 | 34.13 -1.87 0.00 | 33.78 -1.82 0.00 | 33.01 -1.85 0.00 | 31.24 -1.78 0.00 | 35.43 -2.06 -0.01 | 33.66 -1.88 0.00 | 32.90 -1.77 0.00 | 39.55 -2.04 0.00 | 34.98 -1.72 -0.15 | 45.80 -2.16 0.00 | 47.19 -2.16 -0.17 | 34.74 -1.66 -0.29 | 32.31 -1.55 -0.12 | 28.20 -1.41 -0.17 |
| NORTHPORT___1 23551 | 37.33 2.77 -0.01 | 33.18 2.49 0.00 | 30.28 2.19 0.00 | 30.33 2.22 -0.01 | 30.32 2.12 -0.01 | 30.11 2.18 0.00 | 30.46 2.23 -0.01 | 34.30 2.60 -0.01 | 36.17 2.95 -0.01 | 35.66 2.93 -0.55 | 42.67 3.17 -3.49 | 42.36 3.20 -3.56 | 46.93 3.03 -9.04 | 49.19 2.81 -13.36 | 47.78 3.33 -6.97 | 47.81 3.34 -8.93 | 45.16 3.15 -7.33 | 49.72 3.62 -4.51 | 49.72 3.29 -9.88 | 53.41 3.93 -1.52 | 63.58 4.48 -9.92 | 53.06 2.96 -13.99 | 43.88 3.21 -6.93 | 41.79 2.80 -9.56 |
| NORTHPORT___2 23552 | 37.33 2.77 -0.01 | 33.18 2.49 0.00 | 30.28 2.19 0.00 | 30.33 2.22 -0.01 | 30.32 2.12 -0.01 | 30.11 2.18 0.00 | 30.46 2.23 -0.01 | 34.30 2.60 -0.01 | 36.17 2.95 -0.01 | 35.66 2.93 -0.55 | 42.67 3.17 -3.49 | 42.36 3.20 -3.56 | 46.93 3.03 -9.04 | 49.19 2.81 -13.36 | 47.78 3.33 -6.97 | 47.81 3.34 -8.93 | 45.16 3.15 -7.33 | 49.72 3.62 -4.51 | 49.72 3.29 -9.88 | 53.41 3.93 -1.52 | 63.58 4.48 -9.92 | 53.06 2.96 -13.99 | 43.88 3.21 -6.93 | 41.79 2.80 -9.56 |
| NORTHPORT___3 23553 | 37.29 2.73 -0.01 | 33.12 2.42 0.00 | 30.25 2.16 0.00 | 30.30 2.19 -0.01 | 30.29 2.09 -0.01 | 30.08 2.15 0.00 | 30.43 2.20 -0.01 | 34.26 2.57 -0.01 | 36.14 2.92 -0.01 | 35.63 2.90 -0.55 | 42.64 3.13 -3.50 | 42.33 3.17 -3.57 | 46.94 3.03 -9.05 | 49.18 2.77 -13.39 | 47.79 3.33 -6.98 | 47.79 3.31 -8.94 | 45.14 3.12 -7.35 | 49.69 3.58 -4.52 | 49.69 3.25 -9.89 | 53.36 3.88 -1.52 | 63.53 4.43 -9.92 | 53.02 2.92 -13.99 | 43.85 3.17 -6.93 | 41.73 2.74 -9.56 |
| NORTHPORT___4 23650 | 37.29 2.73 -0.01 | 33.12 2.42 0.00 | 30.25 2.16 0.00 | 30.30 2.19 -0.01 | 30.29 2.09 -0.01 | 30.08 2.15 0.00 | 30.43 2.20 -0.01 | 34.26 2.57 -0.01 | 36.14 2.92 -0.01 | 35.63 2.90 -0.55 | 42.64 3.13 -3.50 | 42.33 3.17 -3.57 | 46.94 3.03 -9.05 | 49.18 2.77 -13.39 | 47.79 3.33 -6.98 | 47.79 3.31 -8.94 | 45.14 3.12 -7.35 | 49.69 3.58 -4.52 | 49.69 3.25 -9.89 | 53.36 3.88 -1.52 | 63.53 4.43 -9.92 | 53.02 2.92 -13.99 | 43.85 3.17 -6.93 | 41.73 2.74 -9.56 |
| NORTHPORT___IC 23718 | 37.29 2.73 -0.01 | 33.03 2.33 0.00 | 30.19 2.11 0.00 | 30.25 2.14 -0.01 | 30.26 2.06 -0.01 | 30.02 2.09 0.00 | 30.43 2.20 -0.01 | 34.30 2.60 -0.01 | 36.11 2.89 -0.01 | 35.66 2.93 -0.55 | 42.67 3.17 -3.49 | 42.36 3.20 -3.56 | 46.94 3.03 -9.05 | 49.20 2.81 -13.37 | 47.82 3.37 -6.97 | 47.83 3.34 -8.94 | 45.15 3.16 -7.33 | 49.72 3.62 -4.51 | 49.63 3.25 -9.83 | 53.41 3.93 -1.52 | 63.53 4.48 -9.87 | 52.97 2.96 -13.91 | 43.88 3.21 -6.93 | 41.70 2.71 -9.56 |
| NORTH___COUNTRY_ESR 323785 | 33.82 -0.73 0.00 | 30.05 -0.65 0.00 | 27.47 -0.62 0.00 | 27.54 -0.56 0.00 | 27.69 -0.51 0.00 | 27.46 -0.47 0.00 | 27.80 -0.42 0.00 | 31.22 -0.47 0.00 | 32.74 -0.46 0.00 | 31.80 -0.38 0.00 | 35.57 -0.43 0.00 | 35.20 -0.39 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.95 -0.52 0.00 | 35.01 -0.53 0.00 | 34.19 -0.49 0.00 | 41.01 -0.58 0.00 | 36.04 -0.51 0.00 | 47.24 -0.72 0.00 | 48.40 -0.79 0.00 | 35.42 -0.69 0.00 | 33.00 -0.74 0.00 | 28.73 -0.71 0.00 |
| NPX_GEN_1385_PROXY 323591 | 37.33 2.77 -0.01 | 33.18 2.49 0.00 | 30.28 2.19 0.00 | 30.33 2.22 -0.01 | 30.32 2.12 -0.01 | 30.11 2.18 0.00 | 30.46 2.23 -0.01 | 34.30 2.60 -0.01 | 36.17 2.95 -0.01 | 35.66 2.93 -0.55 | 42.67 3.17 -3.49 | 42.36 3.20 -3.56 | 46.93 3.03 -9.04 | 49.19 2.81 -13.36 | 47.78 3.33 -6.97 | 47.81 3.34 -8.93 | 45.16 3.15 -7.33 | 49.72 3.62 -4.51 | 49.72 3.29 -9.88 | 53.41 3.93 -1.52 | 63.58 4.48 -9.92 | 53.06 2.96 -13.99 | 43.88 3.21 -6.93 | 41.79 2.80 -9.56 |
| NPX_GEN_CSC 323557 | 38.02 3.45 -0.01 | 33.74 3.04 0.00 | 30.76 2.67 0.00 | 30.89 2.78 -0.01 | 30.85 2.65 -0.01 | 30.64 2.71 0.00 | 31.00 2.77 -0.01 | 34.87 3.17 -0.01 | 36.77 3.55 -0.01 | 36.24 3.51 -0.55 | 43.35 3.81 -3.53 | 42.93 3.74 -3.60 | 47.56 3.59 -9.11 | 49.87 3.37 -13.48 | 48.45 3.93 -7.04 | 48.41 3.87 -8.99 | 45.74 3.67 -7.40 | 50.54 4.41 -4.54 | 50.44 3.98 -9.91 | 54.61 5.13 -1.52 | 64.61 5.51 -9.92 | 53.74 3.65 -13.99 | 44.29 3.61 -6.93 | 42.23 3.24 -9.56 |
| NSINS_S_GLNS_FALLS 23858 | 36.63 2.07 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.90 1.80 0.00 | 29.94 1.75 0.00 | 29.63 1.70 0.00 | 29.94 1.72 0.00 | 33.46 1.77 0.00 | 35.03 1.83 0.00 | 33.96 1.77 0.00 | 37.95 1.94 0.00 | 37.52 1.92 0.00 | 36.74 1.88 0.00 | 34.80 1.78 0.00 | 40.12 1.99 -0.66 | 37.50 1.95 0.00 | 36.44 1.77 0.00 | 44.01 2.41 0.00 | 46.92 2.30 -8.07 | 50.98 3.02 0.00 | 61.24 3.00 -9.05 | 53.94 2.20 -15.63 | 43.48 1.96 -7.78 | 42.15 1.62 -11.10 |
| NUCOR_STEEL___DRP 24197 | 34.69 0.14 0.00 | 30.78 0.09 0.00 | 28.17 0.08 0.00 | 28.15 0.06 0.00 | 28.27 0.08 0.00 | 28.07 0.14 0.00 | 28.36 0.14 0.00 | 31.69 0.00 0.00 | 33.14 -0.07 0.00 | 30.96 -0.16 1.07 | 33.92 -0.14 1.94 | 33.28 -0.32 1.99 | 29.21 -0.28 5.38 | 27.73 -0.20 5.09 | 33.57 -0.19 3.72 | 28.75 -0.25 6.55 | 32.98 -0.14 1.55 | 39.65 -0.17 1.77 | 37.11 0.04 -0.52 | 46.82 0.05 1.19 | 48.82 0.15 0.51 | 37.23 0.14 -0.97 | 34.20 0.10 -0.36 | 30.58 0.15 -1.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|
| NUMBER_THREE_WT_PWR 323818 | 33.89 -0.66 0.00 | 30.02 -0.68 0.00 | 27.30 -0.79 0.00 | 27.23 -0.87 0.00 | 27.40 -0.79 0.00 | 27.01 -0.92 0.00 | 27.32 -0.90 0.00 | 30.52 -1.17 0.00 | 31.88 -1.33 0.00 | 30.87 -1.32 0.00 | 34.78 -1.22 0.00 | 34.13 -1.46 0.00 | 33.50 -1.36 0.00 | 31.63 -1.39 0.00 | 35.86 -1.65 -0.03 | 34.23 -1.31 0.00 | 33.49 -1.18 0.00 | 40.39 -1.21 0.00 | 36.46 -0.40 -0.31 | 47.57 -0.39 0.00 | 49.19 -0.34 -0.35 | 36.45 -0.25 -0.60 | 34.04 0.00 -0.30 | 29.86 0.00 -0.42 |
| NYISO_LBMP_REFERENCE 24008 | 34.55 0.00 0.00 | 30.70 0.00 0.00 | 28.09 0.00 0.00 | 28.10 0.00 0.00 | 28.19 0.00 0.00 | 27.93 0.00 0.00 | 28.22 0.00 0.00 | 31.69 0.00 0.00 | 33.21 0.00 0.00 | 32.19 0.00 0.00 | 36.00 0.00 0.00 | 35.59 0.00 0.00 | 34.86 0.00 0.00 | 33.02 0.00 0.00 | 37.48 0.00 0.00 | 35.55 0.00 0.00 | 34.67 0.00 0.00 | 41.59 0.00 0.00 | 36.55 0.00 0.00 | 47.96 0.00 0.00 | 49.18 0.00 0.00 | 36.11 0.00 0.00 | 33.74 0.00 0.00 | 29.44 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 37.77 3.21 -0.01 | 33.55 2.86 0.00 | 30.62 2.53 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.47 2.54 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.26 3.67 -3.59 | 42.88 3.63 -3.65 | 47.55 3.49 -9.20 | 49.90 3.24 -13.64 | 48.44 3.82 -7.14 | 48.43 3.81 -9.08 | 45.76 3.61 -7.49 | 50.42 4.24 -4.58 | 50.34 3.84 -9.95 | 54.32 4.84 -1.52 | 64.47 5.36 -9.92 | 53.67 3.58 -13.99 | 44.29 3.61 -6.93 | 42.17 3.18 -9.56 |
| NYPA_GOWANUS____GT5 24156 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NYPA_GOWANUS____GT6 24157 | 37.08 2.52 -0.01 | 32.92 2.21 -0.01 | 30.09 1.99 -0.01 | 30.14 2.02 -0.01 | 30.09 1.89 -0.01 | 29.95 2.01 -0.01 | 30.14 1.92 0.00 | 33.85 2.16 0.00 | 35.67 2.46 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.39 2.82 -2.70 | 38.29 2.71 -2.56 | 41.15 3.11 -0.56 | 41.97 3.13 -3.29 | 39.07 2.88 -1.52 | 46.90 3.49 -1.82 | 46.94 3.18 -7.21 | 53.73 4.27 -1.51 | 64.06 4.97 -9.91 | 53.64 3.54 -13.99 | 43.74 3.07 -6.93 | 41.64 2.65 -9.55 |
| NYPA_HARLEM__RVR__GT1 24160 | 36.87 2.32 0.00 | 32.78 2.09 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.94 1.75 0.00 | 29.80 1.87 0.00 | 30.00 1.78 0.00 | 33.58 1.90 0.01 | 35.46 2.26 0.01 | 35.07 2.35 -0.53 | 38.51 2.52 0.01 | 38.22 2.63 0.01 | 40.07 2.51 -2.70 | 37.95 2.38 -2.55 | 40.81 2.77 -0.56 | 41.61 2.77 -3.29 | 38.71 2.53 -1.51 | 46.48 3.08 -1.81 | 46.49 2.74 -7.20 | 53.15 3.69 -1.50 | 63.61 4.52 -9.91 | 53.19 3.11 -13.98 | 43.29 2.63 -6.92 | 41.21 2.24 -9.53 |
| NYPA_HARLEM__RVR__GT2 24161 | 36.87 2.32 0.00 | 32.78 2.09 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.94 1.75 0.00 | 29.80 1.87 0.00 | 30.00 1.78 0.00 | 33.58 1.90 0.01 | 35.46 2.26 0.01 | 35.07 2.35 -0.53 | 38.51 2.52 0.01 | 38.22 2.63 0.01 | 40.07 2.51 -2.70 | 37.95 2.38 -2.55 | 40.81 2.77 -0.56 | 41.61 2.77 -3.29 | 38.71 2.53 -1.51 | 46.48 3.08 -1.81 | 46.49 2.74 -7.20 | 53.15 3.69 -1.50 | 63.61 4.52 -9.91 | 53.19 3.11 -13.98 | 43.29 2.63 -6.92 | 41.21 2.24 -9.53 |
| NYPA_KENT____GT 24152 | 36.97 2.42 0.00 | 32.82 2.12 0.00 | 30.03 1.94 0.00 | 30.04 1.94 0.00 | 30.00 1.81 0.00 | 29.86 1.93 0.00 | 30.05 1.83 0.00 | 33.81 2.12 0.00 | 35.63 2.42 0.00 | 35.27 2.54 -0.54 | 38.78 2.77 0.00 | 38.48 2.88 0.00 | 40.35 2.79 -2.70 | 38.22 2.64 -2.56 | 41.11 3.07 -0.56 | 41.90 3.06 -3.29 | 39.00 2.81 -1.52 | 46.82 3.41 -1.82 | 46.83 3.07 -7.21 | 53.59 4.12 -1.51 | 63.97 4.87 -9.91 | 53.53 3.43 -13.99 | 43.64 2.97 -6.93 | 41.55 2.56 -9.55 |
| NYPA_POUCH1____GT 24155 | 37.15 2.59 -0.01 | 33.01 2.30 -0.01 | 30.17 2.08 -0.01 | 30.22 2.11 -0.01 | 30.17 1.97 -0.01 | 30.03 2.10 -0.01 | 30.17 1.95 0.00 | 33.88 2.18 0.00 | 35.63 2.42 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.51 2.92 0.00 | 40.35 2.79 -2.70 | 38.22 2.64 -2.56 | 41.11 3.07 -0.56 | 41.93 3.09 -3.29 | 39.03 2.84 -1.52 | 46.90 3.49 -1.82 | 46.90 3.14 -7.21 | 53.69 4.22 -1.51 | 64.06 4.97 -9.91 | 53.68 3.58 -13.99 | 43.81 3.14 -6.93 | 41.70 2.71 -9.55 |
| NYPA_VERNON____GT2 24162 | 36.90 2.35 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.94 1.75 0.00 | 29.77 1.84 0.00 | 30.00 1.78 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.24 2.51 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.29 2.72 -2.70 | 38.19 2.61 -2.56 | 41.04 3.00 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.74 3.33 -1.82 | 46.76 3.00 -7.21 | 53.49 4.03 -1.51 | 63.87 4.77 -9.91 | 53.41 3.32 -13.99 | 43.57 2.90 -6.93 | 41.49 2.50 -9.55 |
| NYPA_VERNON____GT3 24163 | 36.90 2.35 0.00 | 32.75 2.06 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.94 1.75 0.00 | 29.77 1.84 0.00 | 30.00 1.78 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.24 2.51 -0.54 | 38.74 2.73 0.00 | 38.44 2.85 0.00 | 40.29 2.72 -2.70 | 38.19 2.61 -2.56 | 41.04 3.00 -0.56 | 41.86 3.02 -3.29 | 38.96 2.77 -1.52 | 46.74 3.33 -1.82 | 46.76 3.00 -7.21 | 53.49 4.03 -1.51 | 63.87 4.77 -9.91 | 53.41 3.32 -13.99 | 43.57 2.90 -6.93 | 41.49 2.50 -9.55 |
| NYPA__ASTORIA_CC1 323568 | 36.87 2.32 0.00 | 32.72 2.03 0.00 | 29.91 1.82 0.00 | 29.96 1.85 0.00 | 29.91 1.72 0.00 | 29.74 1.81 0.00 | 30.00 1.78 0.00 | 33.72 2.03 0.00 | 35.57 2.36 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.21 2.65 -2.70 | 38.12 2.54 -2.56 | 41.00 2.96 -0.56 | 41.79 2.95 -3.29 | 38.90 2.71 -1.52 | 46.66 3.25 -1.82 | 46.68 2.93 -7.21 | 53.40 3.93 -1.51 | 63.77 4.67 -9.91 | 53.38 3.29 -13.99 | 43.50 2.83 -6.92 | 41.43 2.44 -9.55 |
| NYPA__ASTORIA_CC2 323569 | 36.87 2.32 0.00 | 32.72 2.03 0.00 | 29.91 1.82 0.00 | 29.96 1.85 0.00 | 29.91 1.72 0.00 | 29.74 1.81 0.00 | 30.00 1.78 0.00 | 33.72 2.03 0.00 | 35.57 2.36 0.00 | 35.17 2.45 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.21 2.65 -2.70 | 38.12 2.54 -2.56 | 41.00 2.96 -0.56 | 41.79 2.95 -3.29 | 38.90 2.71 -1.52 | 46.66 3.25 -1.82 | 46.68 2.93 -7.21 | 53.40 3.93 -1.51 | 63.77 4.67 -9.91 | 53.38 3.29 -13.99 | 43.50 2.83 -6.92 | 41.43 2.44 -9.55 |
| NYPA__HOLTSVILL 23794 | 37.77 3.21 -0.01 | 33.52 2.82 0.00 | 30.59 2.50 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.44 2.51 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.17 3.63 -3.53 | 42.71 3.52 -3.60 | 47.34 3.38 -9.10 | 49.63 3.14 -13.47 | 48.18 3.67 -7.03 | 48.19 3.66 -8.98 | 45.53 3.47 -7.39 | 50.25 4.12 -4.54 | 50.19 3.73 -9.91 | 54.22 4.75 -1.52 | 64.27 5.16 -9.92 | 53.53 3.43 -13.99 | 44.15 3.48 -6.93 | 42.11 3.12 -9.56 |
| NYPA__HELLGATE_GT1 24158 | 36.87 2.32 0.00 | 32.78 2.09 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 29.94 1.75 0.00 | 29.80 1.87 0.00 | 30.00 1.78 0.00 | 33.58 1.90 0.01 | 35.46 2.26 0.01 | 35.07 2.35 -0.53 | 38.51 2.52 0.01 | 38.22 2.63 0.01 | 40.07 2.51 -2.70 | 37.95 2.38 -2.55 | 40.81 2.77 -0.56 | 41.61 2.77 -3.29 | 38.71 2.53 -1.51 | 46.48 3.08 -1.81 | 46.49 2.74 -7.20 | 53.15 3.69 -1.50 | 63.61 4.52 -9.91 | 53.19 3.11 -13.98 | 43.29 2.63 -6.92 | 41.22 2.24 -9.55 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|-------|-------|
| NYPY_____HELLGATE_GT2 24159 | 36.87 | 32.78 | 29.94 | 29.99 | 29.94 | 29.80 | 30.00 | 33.58 | 35.46 | 35.07 | 38.51 | 38.22 | 40.07 | 37.95 | 40.81 | 41.61 | 38.71 | 46.48 | 46.49 | 53.15 | 63.61 | 53.19 | 43.29 | 41.22 |
| | 2.32 | 2.09 | 1.85 | 1.88 | 1.75 | 1.87 | 1.78 | 1.90 | 2.26 | 2.35 | 2.52 | 2.63 | 2.51 | 2.38 | 2.77 | 2.77 | 2.53 | 3.08 | 2.74 | 3.69 | 4.52 | 3.11 | 2.63 | 2.24 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | -0.53 | 0.01 | 0.01 | -2.70 | -2.55 | -0.56 | -3.29 | -1.51 | -1.81 | -7.20 | -1.50 | -9.91 | -13.98 | -6.92 | -9.55 |
| NYS_BARGE___HYD 23848 | 31.08 | 27.46 | 25.38 | 25.28 | 25.53 | 25.50 | 25.99 | 28.96 | 29.87 | 26.56 | 25.48 | 24.58 | 20.80 | 19.76 | 20.01 | 19.42 | 19.55 | 19.60 | 28.53 | 34.19 | 33.09 | 32.04 | 30.00 | 26.82 |
| | -3.45 | -3.22 | -2.70 | -2.81 | -2.65 | -2.43 | -2.23 | -2.73 | -3.32 | -3.60 | -3.75 | -3.95 | -3.83 | -3.57 | -4.08 | -3.66 | -3.09 | -3.62 | -3.91 | -5.37 | -5.46 | -4.15 | -3.78 | -3.27 |
| | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.01 | 0.02 | 2.02 | 6.78 | 7.06 | 10.22 | 9.70 | 13.39 | 12.47 | 12.03 | 18.38 | 4.11 | 8.40 | 10.64 | -0.09 | -0.04 | -0.66 |
| OAK ORCHARD___HYD 24046 | 32.71 | 28.75 | 26.56 | 26.49 | 26.72 | 26.78 | 27.26 | 30.45 | 31.24 | 28.33 | 28.82 | 28.08 | 24.50 | 23.24 | 25.52 | 23.55 | 20.54 | 20.63 | 34.39 | 35.90 | 34.57 | 34.18 | 31.82 | 28.26 |
| | -1.83 | -1.93 | -1.52 | -1.60 | -1.47 | -1.15 | -0.96 | -1.24 | -1.96 | -2.28 | -2.38 | -2.56 | -2.44 | -2.28 | -2.59 | -2.35 | -1.84 | -2.16 | -2.34 | -3.17 | -3.15 | -2.20 | -2.06 | -1.85 |
| | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 1.57 | 4.80 | 4.95 | 7.92 | 7.51 | 9.37 | 9.65 | 12.29 | 18.79 | -0.18 | 8.89 | 11.47 | -0.28 | -0.13 | -0.67 |
| OAKDALE___35_KV_LOAD 356122 | 34.88 | 31.02 | 28.39 | 28.38 | 28.47 | 28.18 | 28.53 | 31.99 | 33.56 | 36.33 | 45.88 | 45.63 | 54.66 | 51.81 | 56.71 | 59.68 | 46.83 | 58.80 | 40.96 | 60.58 | 69.04 | 44.42 | 38.09 | 33.80 |
| | 0.31 | 0.31 | 0.28 | 0.25 | 0.25 | 0.25 | 0.31 | 0.29 | 0.33 | 0.26 | 0.32 | 0.21 | 0.24 | 0.26 | 0.30 | 0.32 | 0.31 | 0.37 | 0.44 | 0.62 | 0.69 | 0.51 | 0.47 | 0.38 |
| | -0.02 | -0.02 | -0.02 | -0.02 | -0.02 | 0.00 | 0.00 | -0.01 | -0.02 | -3.88 | -9.55 | -9.83 | -19.56 | -18.52 | -18.94 | -23.82 | -11.84 | -16.83 | -3.97 | -12.00 | -19.17 | -7.81 | -3.87 | -3.98 |
| OCC_CHEM___DRP 24175 | 30.94 | 27.18 | 24.93 | 24.88 | 25.10 | 25.17 | 25.72 | 28.62 | 29.67 | 26.13 | 24.90 | 24.13 | 19.93 | 18.98 | 19.48 | 18.45 | 22.57 | 24.60 | 27.72 | 32.56 | 31.53 | 31.47 | 29.36 | 26.70 |
| | -3.59 | -3.50 | -3.15 | -3.20 | -3.07 | -2.77 | -2.48 | -3.04 | -3.52 | -3.93 | -4.14 | -4.31 | -4.18 | -3.86 | -4.42 | -4.02 | -3.88 | -4.70 | -4.31 | -6.71 | -6.79 | -4.84 | -4.35 | -3.39 |
| | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.02 | 0.03 | 0.02 | 2.13 | 6.96 | 7.16 | 10.74 | 10.18 | 13.58 | 13.08 | 8.21 | 12.30 | 4.52 | 8.69 | 10.86 | -0.20 | 0.03 | -0.65 |
| OH_GEN_PROXY 24063 | 31.15 | 27.40 | 25.32 | 25.25 | 25.44 | 25.50 | 26.08 | 29.09 | 29.97 | 26.39 | 25.02 | 24.26 | 20.50 | 19.49 | 19.50 | 19.10 | 19.49 | 19.49 | 28.53 | 34.00 | 33.00 | 32.15 | 30.10 | 26.88 |
| | -3.38 | -3.28 | -2.75 | -2.84 | -2.73 | -2.43 | -2.15 | -2.60 | -3.22 | -3.73 | -3.92 | -4.09 | -3.97 | -3.70 | -4.23 | -3.80 | -3.26 | -3.87 | -4.09 | -5.66 | -5.70 | -4.04 | -3.68 | -3.21 |
| | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.01 | 0.02 | 2.06 | 7.06 | 7.25 | 10.39 | 9.83 | 13.74 | 12.64 | 11.92 | 18.24 | 3.93 | 8.30 | 10.48 | -0.08 | -0.04 | -0.65 |
| OLIN_CORP_DRP 24177 | 31.08 | 27.49 | 25.21 | 25.16 | 25.36 | 25.36 | 25.79 | 28.64 | 29.80 | 26.23 | 25.02 | 24.12 | 20.00 | 19.02 | 19.38 | 18.47 | 23.20 | 25.37 | 27.89 | 33.52 | 32.49 | 31.69 | 29.53 | 26.73 |
| | -3.46 | -3.19 | -2.86 | -2.92 | -2.82 | -2.57 | -2.43 | -3.04 | -3.39 | -3.83 | -4.03 | -4.20 | -4.08 | -3.76 | -4.31 | -3.91 | -3.29 | -3.91 | -4.24 | -5.80 | -5.90 | -4.62 | -4.18 | -3.36 |
| | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.01 | 0.02 | 2.13 | 6.96 | 7.27 | 10.79 | 10.24 | 13.79 | 13.16 | 8.18 | 12.31 | 4.42 | 8.64 | 10.79 | -0.20 | 0.03 | -0.65 |
| OLIN_CORP_DSASP 323712 | 30.94 | 27.18 | 24.93 | 24.88 | 25.10 | 25.17 | 25.72 | 28.62 | 29.67 | 26.13 | 24.90 | 24.13 | 19.93 | 18.98 | 19.48 | 18.45 | 22.57 | 24.60 | 27.72 | 32.56 | 31.53 | 31.47 | 29.36 | 26.70 |
| | -3.59 | -3.50 | -3.15 | -3.20 | -3.07 | -2.77 | -2.48 | -3.04 | -3.52 | -3.93 | -4.14 | -4.31 | -4.18 | -3.86 | -4.42 | -4.02 | -3.88 | -4.70 | -4.31 | -6.71 | -6.79 | -4.84 | -4.35 | -3.39 |
| | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.02 | 0.03 | 0.02 | 2.13 | 6.96 | 7.16 | 10.74 | 10.18 | 13.58 | 13.08 | 8.21 | 12.30 | 4.52 | 8.69 | 10.86 | -0.20 | 0.03 | -0.65 |
| ONEIDA_HERK_LFGE 323681 | 34.69 | 30.76 | 28.06 | 28.02 | 28.16 | 27.82 | 28.14 | 31.53 | 32.98 | 31.87 | 35.86 | 35.17 | 34.55 | 32.63 | 36.98 | 35.26 | 34.43 | 41.43 | 37.07 | 48.34 | 49.96 | 37.02 | 34.50 | 30.26 |
| | 0.14 | 0.06 | -0.03 | -0.08 | -0.03 | -0.11 | -0.08 | -0.16 | -0.23 | -0.32 | -0.14 | -0.43 | -0.31 | -0.39 | -0.52 | -0.29 | -0.24 | -0.17 | 0.22 | 0.38 | 0.44 | 0.32 | 0.47 | 0.41 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.03 | 0.00 | 0.00 | 0.00 | -0.30 | 0.00 | -0.34 | -0.59 | -0.29 | -0.41 |
| ONEIDA___115KV_TB4 55905 | 35.21 | 31.28 | 28.59 | 28.58 | 28.70 | 28.40 | 28.73 | 32.20 | 33.71 | 32.12 | 36.47 | 35.84 | 33.04 | 31.26 | 37.78 | 33.34 | 33.86 | 40.67 | 37.47 | 47.64 | 49.06 | 37.42 | 34.73 | 30.69 |
| | 0.66 | 0.58 | 0.51 | 0.48 | 0.51 | 0.47 | 0.51 | 0.51 | 0.50 | 0.35 | 0.47 | 0.25 | 0.31 | 0.26 | 0.26 | 0.39 | 0.38 | 0.50 | 0.58 | 0.86 | 0.93 | 0.69 | 0.74 | 0.65 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 2.13 | 2.02 | -0.04 | 2.60 | 1.19 | 1.42 | -0.33 | 1.18 | 1.06 | -0.63 | -0.24 | -0.61 |
| ONONDAGA_REF_OCCRA 23987 | 34.52 | 30.67 | 28.06 | 28.02 | 28.14 | 27.90 | 28.19 | 31.50 | 32.94 | 31.12 | 35.72 | 35.20 | 30.54 | 28.99 | 37.21 | 30.36 | 32.95 | 39.79 | 36.99 | 46.56 | 48.47 | 37.14 | 34.10 | 30.52 |
| | -0.03 | -0.03 | -0.03 | -0.08 | -0.06 | -0.03 | -0.03 | -0.19 | -0.27 | -0.29 | -0.29 | -0.39 | -0.38 | -0.30 | -0.34 | -0.39 | -0.31 | -0.42 | -0.15 | -0.19 | -0.10 | -0.07 | -0.07 | 0.00 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 0.00 | 0.00 | 3.94 | 3.73 | -0.07 | 4.79 | 1.41 | 1.39 | -0.58 | 1.21 | 0.62 | -1.11 | -0.42 | -1.08 |
| ONONDAGA___COGEN 23986 | 34.55 | 30.69 | 28.06 | 28.04 | 28.16 | 27.93 | 28.22 | 31.53 | 32.97 | 31.08 | 34.50 | 33.95 | 30.26 | 28.70 | 34.79 | 29.97 | 33.27 | 40.10 | 36.93 | 47.00 | 49.01 | 36.96 | 34.00 | 30.35 |
| | 0.00 | 0.00 | -0.03 | -0.06 | -0.03 | 0.00 | 0.00 | -0.16 | -0.23 | -0.26 | -0.25 | -0.36 | -0.31 | -0.26 | -0.30 | -0.36 | -0.31 | -0.37 | -0.11 | -0.19 | -0.10 | -0.07 | -0.07 | 0.03 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 1.25 | 1.29 | 4.29 | 4.06 | 2.39 | 5.22 | 1.09 | 1.12 | -0.49 | 0.77 | 0.08 | -0.92 | -0.33 | -0.88 |
| ONTARIO___LFGE 23819 | 33.88 | 30.07 | 27.54 | 27.50 | 27.64 | 27.51 | 27.88 | 31.14 | 32.53 | 29.20 | 28.84 | 28.00 | 23.05 | 21.90 | 24.13 | 21.52 | 51.45 | 69.07 | 39.03 | 74.09 | 87.15 | 35.64 | 33.20 | 29.62 |
| | -0.66 | -0.61 | -0.53 | -0.59 | -0.54 | -0.42 | -0.34 | -0.54 | -0.66 | -0.87 | -0.90 | -1.14 | -1.12 | -0.99 | -1.12 | -1.00 | -0.80 | -0.88 | -0.70 | -0.86 | -0.84 | -0.54 | -0.57 | -0.56 |
| | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 2.12 | 6.27 | 6.45 | 10.70 | 10.13 | 12.22 | 13.03 | -17.58 | -28.35 | -3.17 | -27.00 | -38.81 | -0.07 | -0.03 | -0.74 |
| ORANGEVILLE_WT_PWR 323706 | 32.01 | 28.34 | 25.99 | 25.94 | 26.06 | 25.89 | 26.41 | 29.43 | 30.99 | 26.66 | 23.21 | 22.22 | 17.54 | 16.62 | 14.61 | 15.18 | 20.21 | 20.64 | 13.49 | 36.50 | 36.01 | 33.02 | 30.82 | 27.66 |
| | -2.52 | -2.33 | -2.08 | -2.14 | -2.11 | -2.04 | -1.81 | -2.25 | -2.19 | -2.70 | -2.84 | -3.13 | -3.10 | -2.94 | -3.41 | -3.06 | -2.84 | -3.29 | -3.18 | -3.88 | -3.94 | -2.85 | -2.80 | -2.41 |
| | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.01 | 0.02 | 2.82 | 9.95 | 10.25 | 14.21 | 13.46 | 19.45 | 17.31 | 11.61 | 17.66 | 19.88 | 7.57 | 9.24 | 0.23 | 0.12 | -0.64 |
| ORANGEVILLE___ESR 323794 | 32.01 | 28.34 | 25.99 | 25.94 | 26.06 | 25.89 | 26.41 | 29.43 | 30.99 | 26.66 | 23.21 | 22.22 | 17.54 | 16.62 | 14.61 | 15.18 | 20.21 | 20.64 | 13.49 | 36.50 | 36.01 | 33.02 | 30.82 | 27.66 |
| | -2.52 | -2.33 | -2.08 | -2.14 | -2.11 | -2.04 | -1.81 | -2.25 | -2.19 | -2.70 | -2.84 | -3.13 | -3.10 | -2.94 | -3.41 | -3.06 | -2.84 | -3.29 | -3.18 | -3.88 | -3.94 | -2.85 | -2.80 | -2.41 |
| | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.01 | 0.02 | 2.82 | 9.95 | 10.25 | 14.21 | 13.46 | 19.45 | 17.31 | 11.61 | 17.66 | 19.88 | 7.57 | 9.24 | 0.23 | 0.12 | -0.64 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| OSWEGATCHIE___HYD 24044 | 33.13 -1.42 0.00 | 29.41 -1.29 0.00 | 26.77 -1.32 0.00 | 26.75 -1.35 0.00 | 26.92 -1.27 0.00 | 26.59 -1.34 0.00 | 26.92 -1.30 0.00 | 30.08 -1.62 0.00 | 31.45 -1.76 0.00 | 30.48 -1.71 0.00 | 34.17 -1.83 0.00 | 33.67 -1.92 0.00 | 32.98 -1.88 0.00 | 31.17 -1.85 0.00 | 35.36 -2.13 -0.02 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.64 -1.95 0.00 | 35.38 -1.39 -0.22 | 46.28 -1.68 0.00 | 47.76 -1.67 -0.25 | 35.27 -1.26 -0.43 | 32.91 -1.05 -0.21 | 28.80 -0.94 -0.30 |
| OSWEGO___5 23606 | 33.89 -0.66 0.00 | 30.08 -0.61 0.00 | 27.55 -0.53 0.00 | 27.54 -0.56 0.00 | 27.66 -0.54 0.00 | 27.40 -0.53 0.00 | 27.71 -0.51 0.00 | 30.99 -0.70 0.00 | 32.34 -0.86 0.00 | 30.75 -0.87 0.57 | 35.07 -0.94 0.00 | 34.60 -1.00 0.00 | 31.04 -0.98 2.85 | 29.43 -0.89 2.70 | 36.52 -1.01 -0.05 | 31.05 -1.03 3.47 | 32.13 -0.93 1.60 | 38.51 -1.16 1.92 | 36.01 -0.88 -0.33 | 45.54 -1.20 1.22 | 46.96 -1.13 1.10 | 35.94 -0.79 -0.63 | 33.28 -0.77 -0.31 | 29.53 -0.62 -0.71 |
| OSWEGO___6 23613 | 33.89 -0.66 0.00 | 30.08 -0.61 0.00 | 27.55 -0.53 0.00 | 27.54 -0.56 0.00 | 27.66 -0.54 0.00 | 27.40 -0.53 0.00 | 27.71 -0.51 0.00 | 30.99 -0.70 0.00 | 32.34 -0.86 0.00 | 30.75 -0.87 0.57 | 35.07 -0.94 0.00 | 34.60 -1.00 0.00 | 31.04 -0.98 2.85 | 29.43 -0.89 2.70 | 36.52 -1.01 -0.05 | 31.05 -1.03 3.47 | 32.13 -0.93 1.60 | 38.51 -1.16 1.92 | 36.01 -0.88 -0.33 | 45.54 -1.20 1.22 | 46.96 -1.13 1.10 | 35.94 -0.79 -0.63 | 33.28 -0.77 -0.31 | 29.53 -0.62 -0.71 |
| OUTOKUMPU-AB___DRP 24206 | 31.53 -3.01 0.02 | 27.79 -2.89 0.02 | 25.49 -2.58 0.02 | 25.44 -2.64 0.02 | 25.64 -2.54 0.02 | 25.61 -2.32 0.00 | 26.12 -2.09 0.01 | 29.04 -2.63 0.02 | 30.40 -2.79 0.02 | 26.54 -3.44 2.20 | 25.23 -3.60 7.18 | 24.38 -3.81 7.41 | 20.05 -3.70 11.11 | 19.09 -3.40 10.53 | 19.53 -3.90 14.05 | 18.49 -3.52 13.54 | 23.08 -3.29 8.29 | 25.33 -3.83 12.43 | 27.93 -3.80 4.82 | 33.70 -5.52 8.74 | 32.72 -5.56 10.91 | 32.23 -4.04 -0.16 | 30.05 -3.64 0.05 | 27.20 -2.88 -0.65 |
| OXBOW___BTM 323836 | 30.87 -3.66 0.02 | 27.18 -3.50 0.02 | 25.15 -2.92 0.02 | 25.02 -3.06 0.02 | 25.27 -2.90 0.02 | 25.30 -2.63 0.00 | 25.87 -2.34 0.01 | 28.85 -2.82 0.02 | 29.77 -3.42 0.02 | 26.37 -3.67 2.15 | 24.76 -3.85 7.39 | 23.92 -4.06 7.61 | 20.09 -3.94 10.83 | 19.13 -3.63 10.26 | 18.84 -4.20 14.44 | 18.58 -3.77 13.19 | 19.17 -3.61 11.89 | 19.19 -4.24 18.16 | 27.77 -4.06 4.73 | 33.60 -6.04 8.31 | 32.51 -6.20 10.47 | 31.75 -4.41 -0.05 | 29.78 -3.98 -0.02 | 26.62 -3.47 -0.65 |
| OXBOW___ 24026 | 31.25 -3.28 0.02 | 27.52 -3.16 0.02 | 25.24 -2.84 0.02 | 25.19 -2.89 0.02 | 25.39 -2.79 0.02 | 25.42 -2.51 0.00 | 25.95 -2.26 0.01 | 28.85 -2.82 0.02 | 30.07 -3.12 0.02 | 26.35 -3.67 2.17 | 25.08 -3.85 7.07 | 24.25 -4.06 7.28 | 19.99 -3.94 10.93 | 19.07 -3.60 10.35 | 19.50 -4.16 13.81 | 18.46 -3.77 13.31 | 22.85 -3.57 8.25 | 24.99 -4.24 12.36 | 27.82 -4.06 4.67 | 33.16 -6.09 8.70 | 32.17 -6.15 10.87 | 31.88 -4.41 -0.18 | 29.72 -3.98 0.04 | 26.97 -3.12 -0.65 |
| OXY_CHEM_DSASP 323612 | 30.94 -3.59 0.02 | 27.18 -3.50 0.02 | 24.93 -3.15 0.02 | 24.88 -3.20 0.02 | 25.10 -3.07 0.02 | 25.17 -2.77 0.00 | 25.72 -2.48 0.02 | 28.62 -3.04 0.03 | 29.67 -3.52 0.02 | 26.13 -3.93 2.13 | 24.90 -4.14 6.96 | 24.13 -4.31 7.16 | 19.93 -4.18 10.74 | 18.98 -3.86 10.18 | 19.48 -4.42 13.58 | 18.45 -4.02 13.08 | 22.57 -3.88 8.21 | 24.60 -4.70 12.30 | 27.72 -4.31 4.52 | 32.56 -6.71 8.69 | 31.53 -6.79 10.86 | 31.47 -4.84 -0.20 | 29.36 -4.35 0.03 | 26.70 -3.39 -0.65 |
| OZONE_PARK_ESR 323760 | 36.97 2.42 0.00 | 32.66 1.96 0.00 | 29.91 1.83 0.00 | 29.90 1.80 0.00 | 29.91 1.72 0.00 | 29.69 1.76 0.00 | 30.03 1.81 0.00 | 33.94 2.25 0.00 | 35.77 2.56 0.00 | 35.43 2.70 -0.54 | 38.99 2.99 0.00 | 38.69 3.10 0.00 | 40.58 3.00 -2.72 | 38.47 2.87 -2.57 | 41.34 3.30 -0.56 | 42.16 3.31 -3.31 | 39.20 3.02 -1.51 | 47.07 3.66 -1.81 | 47.00 3.29 -7.16 | 53.88 4.41 -1.51 | 64.26 5.21 -9.86 | 53.66 3.65 -13.91 | 43.80 3.14 -6.92 | 41.57 2.59 -9.55 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 30.94 -3.59 0.02 | 27.18 -3.50 0.02 | 24.93 -3.15 0.02 | 24.88 -3.20 0.02 | 25.10 -3.07 0.02 | 25.17 -2.77 0.00 | 25.72 -2.48 0.02 | 28.62 -3.04 0.03 | 29.67 -3.52 0.02 | 26.13 -3.93 2.13 | 24.90 -4.14 6.96 | 24.13 -4.31 7.16 | 19.93 -4.18 10.74 | 18.98 -3.86 10.18 | 19.48 -4.42 13.58 | 18.45 -4.02 13.08 | 22.57 -3.88 8.21 | 24.60 -4.70 12.30 | 27.72 -4.31 4.52 | 32.56 -6.71 8.69 | 31.53 -6.79 10.86 | 31.47 -4.84 -0.20 | 29.36 -4.35 0.03 | 26.70 -3.39 -0.65 |
| PACKARD___115KV_DUPONT_184 80571 | 30.49 -4.04 0.02 | 26.81 -3.87 0.02 | 24.84 -3.23 0.02 | 24.71 -3.37 0.02 | 24.96 -3.21 0.02 | 25.05 -2.88 0.00 | 25.63 -2.57 0.02 | 28.62 -3.04 0.03 | 29.34 -3.85 0.02 | 26.14 -3.93 2.12 | 24.62 -4.14 7.25 | 23.83 -4.31 7.45 | 20.03 -4.18 10.65 | 19.04 -3.90 10.09 | 18.88 -4.46 14.14 | 18.56 -4.02 12.97 | 18.83 -3.92 11.93 | 18.70 -4.70 18.19 | 27.62 -4.35 4.58 | 32.93 -6.71 8.31 | 31.86 -6.84 10.49 | 31.33 -4.84 -0.06 | 29.42 -4.35 -0.03 | 26.26 -3.83 -0.65 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 36.87 2.31 0.00 | 32.63 1.93 0.00 | 29.89 1.80 0.00 | 29.87 1.77 0.00 | 29.86 1.66 0.00 | 29.52 1.59 0.00 | 29.74 1.52 0.00 | 33.56 1.87 0.00 | 35.33 2.13 0.00 | 35.04 2.32 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.12 2.54 -2.72 | 38.00 2.41 -2.57 | 40.85 2.81 -0.56 | 41.66 2.81 -3.31 | 38.75 2.57 -1.51 | 46.48 3.08 -1.81 | 46.49 2.78 -7.16 | 53.21 3.74 -1.51 | 63.52 4.48 -9.87 | 53.15 3.14 -13.91 | 43.37 2.70 -6.92 | 41.22 2.24 -9.55 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 37.35 2.80 0.00 | 33.06 2.36 0.00 | 30.31 2.22 0.00 | 30.29 2.19 0.00 | 30.31 2.11 0.00 | 30.00 2.07 0.00 | 30.17 1.95 0.00 | 34.07 2.38 0.00 | 35.86 2.66 0.00 | 35.50 2.77 -0.54 | 39.06 3.06 0.00 | 38.76 3.17 0.00 | 40.58 3.00 -2.72 | 38.50 2.91 -2.57 | 41.38 3.34 -0.56 | 42.16 3.31 -3.31 | 39.24 3.05 -1.51 | 47.11 3.70 -1.81 | 47.04 3.33 -7.16 | 53.92 4.46 -1.51 | 64.26 5.21 -9.87 | 53.66 3.65 -13.91 | 43.80 3.14 -6.92 | 41.66 2.68 -9.55 |
| PATROON___115KV_TB1 80586 | 35.66 1.11 0.00 | 31.89 1.20 0.00 | 29.21 1.12 0.00 | 29.25 1.15 0.00 | 29.26 1.07 0.00 | 28.96 1.03 0.00 | 29.07 0.85 0.00 | 32.67 0.98 0.00 | 34.27 1.06 0.00 | 33.28 1.09 0.00 | 37.19 1.19 0.00 | 36.84 1.25 0.00 | 36.08 1.22 0.00 | 34.21 1.19 0.00 | 39.43 1.31 -0.65 | 36.86 1.32 0.00 | 35.85 1.18 0.00 | 43.05 1.46 0.00 | 45.76 1.28 -7.93 | 49.68 1.73 0.00 | 59.60 1.52 -8.90 | 52.62 1.16 -15.36 | 42.59 1.21 -7.63 | 41.26 0.94 -10.89 |
| PATTRSNVILLE___SOLAR 323815 | 36.00 1.45 0.00 | 32.02 1.32 0.00 | 29.27 1.18 0.00 | 29.31 1.21 0.00 | 29.38 1.18 0.00 | 29.08 1.15 0.00 | 29.38 1.16 0.00 | 32.96 1.27 0.00 | 34.40 1.19 0.00 | 33.68 1.06 -0.43 | 37.12 1.12 0.00 | 36.73 1.14 0.00 | 38.22 1.19 -2.17 | 36.23 1.16 -2.06 | 39.46 1.31 -0.67 | 39.51 1.32 -2.65 | 37.21 1.32 -1.22 | 44.80 1.75 -1.47 | 46.63 1.61 -8.48 | 51.25 2.16 -1.13 | 62.28 2.22 -10.88 | 54.13 1.59 -16.44 | 43.36 1.48 -8.14 | 42.06 1.26 -11.36 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 31.77 -2.76 0.02 | 28.47 -2.21 0.02 | 25.91 -2.16 0.02 | 26.00 -2.08 0.02 | 25.98 -2.20 0.02 | 25.61 -2.32 0.00 | 26.16 -2.06 0.00 | 29.11 -2.57 0.01 | 31.56 -1.63 0.02 | 27.58 -2.19 2.42 | 25.53 -2.23 8.24 | 24.62 -2.46 8.52 | 20.26 -2.37 12.23 | 19.29 -2.15 11.59 | 18.80 -2.51 16.16 | 18.44 -2.20 14.90 | 23.78 -2.57 8.32 | 26.23 -2.83 12.53 | 29.11 -2.38 5.07 | 36.10 -3.21 8.65 | 35.23 -3.25 10.71 | 33.96 -2.24 -0.10 | 31.64 -2.02 0.07 | 28.08 -2.00 -0.65 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 36.83 2.28 0.00 | 32.63 1.93 0.00 | 29.89 1.80 0.00 | 29.90 1.80 0.00 | 29.88 1.69 0.00 | 29.63 1.70 0.00 | 30.00 1.78 0.00 | 33.85 2.15 0.00 | 35.67 2.46 0.00 | 35.32 2.61 -0.52 | 38.92 2.92 0.00 | 38.58 2.99 0.00 | 40.34 2.86 -2.62 | 38.28 2.77 -2.49 | 41.27 3.22 -0.57 | 41.90 3.16 -3.20 | 39.05 2.91 -1.46 | 46.71 3.37 -1.75 | 46.81 3.00 -7.26 | 53.54 4.12 -1.46 | 63.47 4.43 -9.86 | 53.15 3.03 -14.01 | 43.39 2.70 -6.95 | 41.24 2.21 -9.60 |
| PEEKSKILL____ 23653 | 36.59 2.04 0.00 | 32.48 1.78 0.00 | 29.69 1.60 0.00 | 29.73 1.63 0.00 | 29.69 1.49 0.00 | 29.49 1.56 0.00 | 29.80 1.58 0.00 | 33.59 1.90 0.00 | 35.47 2.26 0.00 | 35.05 2.32 -0.54 | 38.56 2.56 0.00 | 38.26 2.67 0.00 | 40.18 2.58 -2.74 | 38.06 2.44 -2.59 | 40.88 2.85 -0.56 | 41.69 2.81 -3.33 | 38.84 2.63 -1.54 | 46.55 3.12 -1.84 | 46.60 2.85 -7.20 | 53.31 3.84 -1.51 | 63.37 4.28 -9.91 | 53.04 2.96 -13.97 | 43.26 2.60 -6.92 | 41.18 2.21 -9.53 |
| PGE MADISON__WINDPWR 24146 | 36.66 2.11 0.00 | 32.51 1.81 0.00 | 29.78 1.69 0.00 | 29.71 1.60 0.00 | 29.86 1.66 0.00 | 29.44 1.51 0.00 | 30.06 1.83 0.00 | 33.66 1.96 0.00 | 35.14 1.93 0.00 | 34.41 1.42 -0.80 | 39.71 1.66 -2.05 | 38.74 1.03 -2.11 | 40.13 1.22 -4.05 | 37.98 1.12 -3.83 | 42.93 1.24 -4.21 | 42.04 1.56 -4.93 | 39.67 1.53 -3.47 | 48.70 2.00 -5.11 | 42.02 1.79 -3.68 | 54.25 2.54 -3.75 | 59.56 2.66 -7.72 | 43.03 1.88 -5.05 | 38.05 1.82 -2.49 | 34.27 1.59 -3.24 |
| PIERCEFIELD____HYD 23852 | 32.79 -1.76 0.00 | 29.16 -1.53 0.00 | 26.57 -1.52 0.00 | 26.61 -1.49 0.00 | 26.78 -1.41 0.00 | 26.53 -1.40 0.00 | 26.84 -1.38 0.00 | 30.04 -1.65 0.00 | 31.45 -1.76 0.00 | 30.51 -1.67 0.00 | 34.13 -1.87 0.00 | 33.78 -1.82 0.00 | 33.01 -1.85 0.00 | 31.24 -1.78 0.00 | 35.43 -2.06 -0.01 | 33.66 -1.88 0.00 | 32.90 -1.77 0.00 | 39.55 -2.04 0.00 | 34.98 -1.72 -0.15 | 45.80 -2.16 0.00 | 47.19 -2.16 -0.17 | 34.74 -1.66 -0.29 | 32.31 -1.55 -0.12 | 28.20 -1.41 -0.17 |
| PINELAWN_CC_I 323563 | 37.53 2.97 -0.01 | 33.34 2.64 0.00 | 30.42 2.33 0.00 | 30.50 2.39 -0.01 | 30.48 2.28 -0.01 | 30.28 2.35 0.00 | 30.63 2.40 -0.01 | 34.49 2.79 -0.01 | 36.34 3.12 -0.01 | 35.82 3.09 -0.55 | 43.23 3.38 -3.85 | 42.90 3.38 -3.92 | 47.78 3.24 -9.68 | 50.51 3.04 -14.45 | 48.65 3.56 -7.62 | 48.56 3.52 -9.50 | 45.95 3.36 -7.92 | 50.37 3.99 -4.78 | 50.32 3.62 -10.15 | 54.13 4.65 -1.52 | 64.32 5.21 -9.92 | 53.60 3.50 -13.99 | 44.12 3.44 -6.93 | 41.97 2.97 -9.56 |
| PJM_GEN_HTP_PROXY 323702 | 36.80 2.24 0.00 | 32.60 1.90 0.00 | 29.83 1.74 0.00 | 29.85 1.74 0.00 | 29.83 1.63 0.00 | 29.63 1.70 0.00 | 29.94 1.72 0.00 | 33.75 2.06 0.00 | 35.63 2.42 0.00 | 35.24 2.51 -0.54 | 38.78 2.77 0.00 | 38.48 2.88 0.00 | 40.36 2.79 -2.70 | 38.22 2.64 -2.56 | 41.11 3.07 -0.56 | 41.90 3.06 -3.29 | 39.00 2.81 -1.52 | 46.78 3.37 -1.82 | 46.79 3.03 -7.21 | 53.54 4.07 -1.51 | 63.92 4.82 -9.91 | 53.45 3.36 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| PJM_GEN_KEystone 24065 | 34.16 -0.38 0.01 | 30.35 -0.34 0.01 | 27.74 -0.34 0.01 | 27.76 -0.34 0.01 | 27.79 -0.39 0.01 | 27.57 -0.36 0.00 | 27.99 -0.23 0.00 | 31.40 -0.29 0.01 | 33.20 0.00 0.01 | 30.75 -0.26 1.18 | 30.72 -0.21 5.07 | 30.13 -0.25 5.22 | 28.69 -0.24 5.93 | 27.21 -0.20 5.61 | 27.62 -0.22 9.63 | 28.26 -0.07 7.22 | 29.16 -0.14 5.37 | 33.04 -0.17 8.39 | 38.64 -0.18 -2.27 | 44.63 -0.14 3.18 | 49.89 0.39 -0.31 | 43.51 0.25 -7.15 | 37.45 0.17 -3.54 | 34.89 0.09 -5.36 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 37.08 2.52 -0.01 | 33.00 2.30 0.00 | 30.11 2.02 0.00 | 30.16 2.05 -0.01 | 30.14 1.94 -0.01 | 29.97 2.04 0.00 | 30.32 2.09 -0.01 | 34.14 2.44 -0.01 | 35.97 2.75 -0.01 | 35.44 2.70 -0.55 | 40.98 2.95 -2.02 | 40.64 2.99 -2.06 | 44.09 2.86 -6.37 | 44.50 2.67 -8.80 | 44.89 3.15 -4.27 | 45.23 3.13 -6.55 | 42.50 2.95 -4.88 | 48.42 3.45 -3.38 | 48.45 3.14 -8.75 | 53.50 4.03 -1.52 | 63.73 4.62 -9.92 | 53.20 3.11 -13.99 | 43.71 3.04 -6.93 | 41.58 2.59 -9.56 |
| PJM_GEN_VFT_PROXY 323633 | 36.66 2.11 0.00 | 32.48 1.78 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.69 1.49 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.66 1.97 0.00 | 35.57 2.36 0.00 | 35.14 2.42 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.25 2.68 -2.70 | 38.12 2.54 -2.56 | 41.00 2.96 -0.56 | 41.79 2.95 -3.29 | 38.90 2.71 -1.52 | 46.66 3.25 -1.82 | 46.68 2.93 -7.21 | 53.44 3.98 -1.51 | 63.77 4.67 -9.91 | 53.34 3.25 -13.99 | 43.47 2.80 -6.92 | 41.37 2.38 -9.55 |
| PLATSBURG_115KV_PMLD1 355749 | 34.21 -0.35 0.00 | 30.42 -0.28 0.00 | 27.78 -0.31 0.00 | 27.85 -0.25 0.00 | 28.05 -0.14 0.00 | 27.85 -0.08 0.00 | 28.16 -0.06 0.00 | 31.60 -0.10 0.00 | 33.17 -0.03 0.00 | 32.22 0.03 0.00 | 36.00 0.00 0.00 | 35.63 0.04 0.00 | 34.86 0.00 0.00 | 32.95 -0.07 0.00 | 37.36 -0.11 0.00 | 35.44 -0.11 0.00 | 34.60 -0.07 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.86 -0.10 0.00 | 49.04 -0.15 0.00 | 35.85 -0.25 0.00 | 33.40 -0.34 0.00 | 29.08 -0.35 0.00 |
| PLEASANTVLY____LBMP 24000 | 36.38 1.83 0.00 | 32.23 1.53 0.00 | 29.52 1.43 0.00 | 29.54 1.43 0.00 | 29.55 1.35 0.00 | 29.30 1.37 0.00 | 29.63 1.41 0.00 | 33.43 1.74 0.00 | 35.17 1.96 0.00 | 34.75 2.06 -0.50 | 38.27 2.27 0.00 | 37.94 2.35 0.00 | 39.66 2.27 -2.53 | 37.60 2.18 -2.40 | 40.60 2.55 -0.58 | 41.15 2.52 -3.09 | 38.41 2.32 -1.41 | 46.03 2.75 -1.69 | 46.38 2.49 -7.34 | 52.72 3.36 -1.41 | 62.86 3.74 -9.94 | 52.99 2.64 -14.24 | 43.13 2.33 -7.06 | 41.09 1.88 -9.77 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.17 2.45 -0.53 | 38.74 2.74 0.00 | 38.51 2.92 0.00 | 40.37 2.82 -2.68 | 38.23 2.67 -2.54 | 41.15 3.11 -0.57 | 41.90 3.09 -3.27 | 39.01 2.84 -1.49 | 46.79 3.41 -1.79 | 46.78 3.03 -7.20 | 53.57 4.12 -1.49 | 63.64 4.57 -9.88 | 53.26 3.18 -13.97 | 43.39 2.70 -6.95 | 41.26 2.24 -9.58 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 36.69 2.14 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.17 2.45 -0.53 | 38.74 2.74 0.00 | 38.51 2.92 0.00 | 40.37 2.82 -2.68 | 38.23 2.67 -2.54 | 41.15 3.11 -0.57 | 41.90 3.09 -3.27 | 39.01 2.84 -1.49 | 46.79 3.41 -1.79 | 46.78 3.03 -7.20 | 53.57 4.12 -1.49 | 63.64 4.57 -9.88 | 53.26 3.18 -13.97 | 43.39 2.70 -6.95 | 41.26 2.24 -9.58 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 36.63 2.07 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.52 1.59 0.00 | 29.86 1.64 0.00 | 33.65 1.96 0.00 | 35.43 2.22 0.00 | 35.01 2.32 -0.51 | 38.42 2.41 0.00 | 38.01 2.42 0.00 | 39.74 2.34 -2.55 | 37.68 2.25 -2.41 | 40.64 2.59 -0.58 | 41.24 2.59 -3.10 | 38.41 2.32 -1.42 | 46.08 2.79 -1.70 | 46.53 2.63 -7.35 | 52.97 3.60 -1.41 | 63.01 3.93 -9.89 | 53.00 2.74 -14.15 | 43.26 2.50 -7.02 | 41.17 2.03 -9.70 |
| POLETTI____ 23519 | 36.21 2.14 0.48 | 32.42 1.72 0.00 | 29.69 1.60 0.00 | 29.70 1.60 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.80 1.58 0.00 | 33.69 2.00 0.00 | 35.47 2.26 0.00 | 35.14 2.41 -0.54 | 38.67 2.66 0.00 | 38.37 2.78 0.00 | 40.26 2.68 -2.72 | 38.14 2.54 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.89 2.70 -1.51 | 46.65 3.24 -1.81 | 46.64 2.92 -7.16 | 53.40 3.93 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| POMONA___ESR 323819 | 36.62 2.07 0.00 | 32.51 1.81 0.00 | 29.72 1.63 0.00 | 29.76 1.66 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.62 1.93 0.00 | 35.47 2.26 0.00 | 35.07 2.32 -0.56 | 38.52 2.52 0.00 | 38.19 2.60 0.00 | 40.19 2.51 -2.82 | 38.10 2.41 -2.67 | 40.80 2.77 -0.55 | 41.75 2.77 -3.43 | 38.82 2.57 -1.58 | 46.52 3.03 -1.89 | 46.31 2.70 -7.06 | 53.24 3.69 -1.59 | 63.16 4.13 -9.85 | 52.65 2.85 -13.70 | 43.05 2.53 -6.78 | 40.91 2.15 -9.32 |
| PORT_JEFF_3 23555 | 37.88 3.32 -0.01 | 33.61 2.92 0.00 | 30.67 2.58 0.00 | 30.78 2.67 -0.01 | 30.74 2.54 -0.01 | 30.53 2.60 0.00 | 30.88 2.65 -0.01 | 34.77 3.07 -0.01 | 36.67 3.45 -0.01 | 36.14 3.41 -0.55 | 43.28 3.74 -3.53 | 42.82 3.63 -3.60 | 47.45 3.49 -9.11 | 49.74 3.24 -13.48 | 48.34 3.82 -7.04 | 48.34 3.81 -8.99 | 45.67 3.61 -7.40 | 50.42 4.28 -4.54 | 50.33 3.87 -9.91 | 54.42 4.94 -1.52 | 64.52 5.41 -9.92 | 53.67 3.58 -13.99 | 44.25 3.57 -6.93 | 42.20 3.21 -9.56 |
| PORT_JEFF_4 23616 | 37.88 3.32 -0.01 | 33.61 2.92 0.00 | 30.67 2.58 0.00 | 30.78 2.67 -0.01 | 30.74 2.54 -0.01 | 30.53 2.60 0.00 | 30.88 2.65 -0.01 | 34.77 3.07 -0.01 | 36.67 3.45 -0.01 | 36.14 3.41 -0.55 | 43.28 3.74 -3.53 | 42.82 3.63 -3.60 | 47.45 3.49 -9.11 | 49.74 3.24 -13.48 | 48.34 3.82 -7.04 | 48.34 3.81 -8.99 | 45.67 3.61 -7.40 | 50.42 4.28 -4.54 | 50.33 3.87 -9.91 | 54.42 4.94 -1.52 | 64.52 5.41 -9.92 | 53.67 3.58 -13.99 | 44.25 3.57 -6.93 | 42.20 3.21 -9.56 |
| PORT_JEFF_IC 23713 | 37.95 3.39 -0.01 | 33.55 2.85 0.00 | 30.67 2.58 0.00 | 30.75 2.64 -0.01 | 30.74 2.54 -0.01 | 30.50 2.57 0.00 | 30.91 2.68 -0.01 | 34.84 3.14 -0.01 | 36.67 3.45 -0.01 | 36.21 3.48 -0.55 | 43.36 3.82 -3.54 | 42.94 3.74 -3.61 | 47.59 3.59 -9.13 | 49.87 3.33 -13.52 | 48.46 3.93 -7.05 | 48.44 3.87 -9.02 | 45.79 3.71 -7.41 | 50.54 4.41 -4.54 | 50.40 3.98 -9.87 | 54.60 5.13 -1.52 | 64.62 5.56 -9.87 | 53.70 3.68 -13.91 | 44.35 3.68 -6.93 | 42.17 3.18 -9.56 |
| PPL PILGRIM_ST_GT1 24216 | 37.77 3.21 -0.01 | 33.55 2.86 0.00 | 30.62 2.53 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.47 2.54 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.26 3.67 -3.59 | 42.88 3.63 -3.65 | 47.55 3.49 -9.20 | 49.90 3.24 -13.64 | 48.44 3.82 -7.14 | 48.43 3.81 -9.08 | 45.76 3.61 -7.49 | 50.42 4.24 -4.58 | 50.34 3.84 -9.95 | 54.32 4.84 -1.52 | 64.47 5.36 -9.92 | 53.67 3.58 -13.99 | 44.29 3.61 -6.93 | 42.17 3.18 -9.56 |
| PPL PILGRIM_ST_GT2 24217 | 37.77 3.21 -0.01 | 33.55 2.86 0.00 | 30.62 2.53 0.00 | 30.70 2.58 -0.01 | 30.65 2.45 -0.01 | 30.47 2.54 0.00 | 30.80 2.57 -0.01 | 34.68 2.98 -0.01 | 36.57 3.35 -0.01 | 36.05 3.32 -0.55 | 43.26 3.67 -3.59 | 42.88 3.63 -3.65 | 47.55 3.49 -9.20 | 49.90 3.24 -13.64 | 48.44 3.82 -7.14 | 48.43 3.81 -9.08 | 45.76 3.61 -7.49 | 50.42 4.24 -4.58 | 50.34 3.84 -9.95 | 54.32 4.84 -1.52 | 64.47 5.36 -9.92 | 53.67 3.58 -13.99 | 44.29 3.61 -6.93 | 42.17 3.18 -9.56 |
| PPL_SHRM_GT3 24213 | 38.02 3.45 -0.01 | 33.74 3.04 0.00 | 30.78 2.70 0.00 | 30.92 2.81 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.00 2.77 -0.01 | 34.90 3.20 -0.01 | 36.77 3.55 -0.01 | 36.24 3.51 -0.55 | 43.39 3.85 -3.54 | 42.93 3.74 -3.60 | 47.57 3.59 -9.11 | 49.85 3.33 -13.49 | 48.46 3.93 -7.05 | 48.42 3.87 -9.00 | 45.79 3.71 -7.40 | 50.54 4.41 -4.54 | 50.45 3.98 -9.91 | 54.61 5.13 -1.52 | 64.61 5.51 -9.92 | 53.74 3.65 -13.99 | 44.29 3.61 -6.93 | 42.26 3.27 -9.56 |
| PPL_SHRM_GT4 24214 | 38.02 3.45 -0.01 | 33.74 3.04 0.00 | 30.78 2.70 0.00 | 30.92 2.81 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.00 2.77 -0.01 | 34.90 3.20 -0.01 | 36.77 3.55 -0.01 | 36.24 3.51 -0.55 | 43.39 3.85 -3.54 | 42.93 3.74 -3.60 | 47.57 3.59 -9.11 | 49.85 3.33 -13.49 | 48.46 3.93 -7.05 | 48.42 3.87 -9.00 | 45.79 3.71 -7.40 | 50.54 4.41 -4.54 | 50.45 3.98 -9.91 | 54.61 5.13 -1.52 | 64.61 5.51 -9.92 | 53.74 3.65 -13.99 | 44.29 3.61 -6.93 | 42.26 3.27 -9.56 |
| PROJECT___ORANGE 1 24174 | 34.38 -0.17 0.00 | 30.51 -0.18 0.00 | 27.92 -0.17 0.00 | 27.91 -0.20 0.00 | 28.02 -0.17 0.00 | 27.79 -0.14 0.00 | 28.08 -0.14 0.00 | 31.34 -0.35 0.00 | 32.78 -0.43 0.00 | 31.01 -0.48 0.69 | 35.54 -0.47 0.00 | 35.02 -0.57 0.00 | 30.84 -0.52 3.50 | 29.25 -0.46 3.31 | 37.01 -0.52 -0.06 | 30.72 -0.57 4.26 | 32.20 -0.52 1.95 | 38.63 -0.62 2.33 | 36.70 -0.33 -0.48 | 45.54 -0.48 1.94 | 46.99 -0.39 1.80 | 36.74 -0.29 -0.92 | 33.80 -0.33 -0.33 | 30.18 -0.15 -0.89 |
| PROJECT___ORANGE 2 24166 | 34.38 -0.17 0.00 | 30.51 -0.18 0.00 | 27.92 -0.17 0.00 | 27.91 -0.20 0.00 | 28.02 -0.17 0.00 | 27.79 -0.14 0.00 | 28.08 -0.14 0.00 | 31.34 -0.35 0.00 | 32.78 -0.43 0.00 | 31.01 -0.48 0.69 | 35.54 -0.47 0.00 | 35.02 -0.57 0.00 | 30.84 -0.52 3.50 | 29.25 -0.46 3.31 | 37.01 -0.52 -0.06 | 30.72 -0.57 4.26 | 32.20 -0.52 1.95 | 38.63 -0.62 2.33 | 36.70 -0.33 -0.48 | 45.54 -0.48 1.94 | 46.99 -0.39 1.80 | 36.74 -0.29 -0.92 | 33.80 -0.33 -0.33 | 30.18 -0.15 -0.89 |
| PUCKETT___SOLAR 323809 | 35.36 0.80 -0.02 | 31.45 0.74 -0.02 | 28.78 0.67 -0.02 | 28.77 0.65 -0.02 | 28.86 0.65 -0.02 | 28.57 0.64 0.00 | 29.01 0.79 0.00 | 32.49 0.79 -0.01 | 34.05 0.83 -0.02 | 35.90 0.68 -3.04 | 43.79 0.76 -7.03 | 43.36 0.53 -7.23 | 50.75 0.59 -15.30 | 48.07 0.56 -14.49 | 52.11 0.64 -14.00 | 54.89 0.71 -18.63 | 43.97 0.69 -8.61 | 54.51 0.91 -12.00 | 41.12 0.84 -3.73 | 58.90 1.24 -9.70 | 66.56 1.28 -16.10 | 44.33 0.90 -7.32 | 38.25 0.88 -3.63 | 34.07 0.74 -3.90 |
| PYRITES___HYD 24023 | 33.52 -1.04 0.00 | 29.81 -0.89 0.00 | 27.16 -0.93 0.00 | 27.20 -0.90 0.00 | 27.40 -0.79 0.00 | 27.15 -0.78 0.00 | 27.46 -0.76 0.00 | 30.71 -0.98 0.00 | 32.05 -1.16 0.00 | 31.03 -1.16 0.00 | 34.60 -1.40 0.00 | 34.21 -1.39 0.00 | 33.43 -1.43 0.00 | 31.63 -1.39 0.00 | 35.95 -1.54 -0.01 | 34.16 -1.39 0.00 | 33.49 -1.18 0.00 | 40.30 -1.29 0.00 | 35.63 -1.06 -0.14 | 46.71 -1.25 0.00 | 48.11 -1.23 -0.16 | 35.40 -0.97 -0.27 | 32.98 -0.88 -0.11 | 28.77 -0.82 -0.16 |
| QUAKERRD_115KV_BK1 80622 | 32.64 -1.90 0.01 | 28.72 -1.96 0.01 | 26.31 -1.77 0.01 | 26.29 -1.80 0.01 | 26.49 -1.69 0.01 | 26.48 -1.45 0.00 | 26.89 -1.33 0.00 | 29.97 -1.71 0.00 | 31.07 -2.13 0.01 | 28.13 -2.58 1.48 | 29.15 -2.77 4.08 | 28.51 -2.88 4.20 | 24.60 -2.79 7.47 | 23.33 -2.61 7.08 | 26.57 -2.96 7.95 | 23.71 -2.74 9.10 | 22.52 -2.29 9.87 | 23.92 -2.75 14.93 | 34.11 -2.70 -0.27 | 33.10 -3.64 11.22 | 30.97 -3.64 14.58 | 34.02 -2.56 -0.48 | 31.45 -2.40 -0.10 | 28.22 -1.91 -0.69 |
| QUENSBRY_115KV_TB8 356137 | 36.66 2.11 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.90 1.80 0.00 | 29.94 1.75 0.00 | 29.66 1.73 0.00 | 29.97 1.75 0.00 | 33.46 1.77 0.00 | 35.03 1.83 0.00 | 33.96 1.77 0.00 | 37.98 1.98 0.00 | 37.55 1.96 0.00 | 36.74 1.88 0.00 | 34.80 1.78 0.00 | 40.12 1.99 -0.66 | 37.50 1.95 0.00 | 36.44 1.77 0.00 | 44.05 2.45 0.00 | 46.93 2.30 -8.07 | 50.98 3.02 0.00 | 61.29 3.05 -9.06 | 53.95 2.20 -15.64 | 43.48 1.96 -7.78 | 42.16 1.62 -11.10 |
| RAMAPO___LBMP 323565 | 36.49 1.93 0.00 | 32.29 1.60 0.00 | 29.58 1.49 0.00 | 29.59 1.49 0.00 | 29.60 1.41 0.00 | 29.35 1.42 0.00 | 29.72 1.50 0.00 | 33.50 1.81 0.00 | 35.30 2.09 0.00 | 34.94 2.19 -0.57 | 38.42 2.41 0.00 | 38.09 2.49 0.00 | 40.12 2.41 -2.86 | 38.04 2.31 -2.71 | 40.73 2.70 -0.55 | 41.69 2.67 -3.48 | 38.72 2.46 -1.59 | 46.41 2.91 -1.91 | 46.10 2.52 -7.02 | 53.04 3.50 -1.58 | 62.88 3.89 -9.81 | 52.47 2.71 -13.65 | 42.88 2.40 -6.74 | 40.65 1.94 -9.27 |

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| RANKINE____ 23646 | 31.84 -2.70 0.02 | 28.19 -2.49 0.02 | 25.79 -2.28 0.02 | 25.78 -2.30 0.02 | 25.89 -2.28 0.02 | 25.75 -2.18 0.00 | 26.33 -1.89 0.00 | 29.27 -2.41 0.01 | 31.00 -2.19 0.02 | 26.82 -2.99 2.37 | 24.92 -3.10 7.98 | 24.00 -3.35 8.24 | 19.70 -3.21 11.96 | 18.72 -2.97 11.33 | 18.43 -3.41 15.64 | 17.88 -3.09 14.57 | 23.48 -2.91 8.28 | 25.81 -3.33 12.45 | 27.35 -3.29 5.91 | 34.82 -4.51 8.63 | 33.95 -4.52 10.71 | 33.00 -3.21 -0.11 | 30.77 -2.90 0.07 | 27.64 -2.44 -0.65 |
| RAVENSWOOD_GT2_1 24244 | 36.73 2.18 0.00 | 32.45 1.75 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.69 2.00 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.81 2.95 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT2_2 24245 | 36.73 2.18 0.00 | 32.45 1.75 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.69 2.00 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.81 2.95 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT2_3 24246 | 36.73 2.18 0.00 | 32.45 1.75 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.30 2.72 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.73 3.33 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.37 3.36 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT2_4 24247 | 36.73 2.18 0.00 | 32.45 1.75 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 0.00 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.30 2.72 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.73 3.33 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.37 3.36 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT3_1 24248 | 36.76 2.21 0.00 | 32.48 1.78 0.00 | 29.75 1.66 0.00 | 29.76 1.66 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.21 2.48 -0.54 | 38.74 2.74 0.00 | 38.44 2.85 0.00 | 40.33 2.75 -2.72 | 38.20 2.61 -2.57 | 41.08 3.04 -0.56 | 41.88 3.02 -3.31 | 38.96 2.77 -1.51 | 46.73 3.33 -1.81 | 46.71 3.00 -7.16 | 53.49 4.03 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.53 2.87 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT3_2 24249 | 36.76 2.21 0.00 | 32.48 1.78 0.00 | 29.75 1.66 0.00 | 29.76 1.66 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.53 2.32 0.00 | 35.21 2.48 -0.54 | 38.74 2.74 0.00 | 38.44 2.85 0.00 | 40.33 2.75 -2.72 | 38.20 2.61 -2.57 | 41.08 3.04 -0.56 | 41.88 3.02 -3.31 | 38.96 2.77 -1.51 | 46.73 3.33 -1.81 | 46.71 3.00 -7.16 | 53.49 4.03 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.53 2.87 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT3_3 24250 | 36.80 2.25 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.78 2.09 0.00 | 35.57 2.36 0.00 | 35.24 2.51 -0.54 | 38.78 2.77 0.00 | 38.48 2.88 0.00 | 40.37 2.79 -2.72 | 38.24 2.64 -2.57 | 41.11 3.07 -0.56 | 41.91 3.06 -3.31 | 38.99 2.81 -1.51 | 46.82 3.41 -1.81 | 46.74 3.03 -7.16 | 53.54 4.08 -1.51 | 63.87 4.82 -9.87 | 53.41 3.39 -13.91 | 43.60 2.94 -6.92 | 41.40 2.41 -9.55 |
| RAVENSWOOD_GT3_4 24251 | 36.80 2.25 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.89 1.67 0.00 | 33.78 2.09 0.00 | 35.57 2.36 0.00 | 35.24 2.51 -0.54 | 38.78 2.77 0.00 | 38.48 2.88 0.00 | 40.37 2.79 -2.72 | 38.24 2.64 -2.57 | 41.11 3.07 -0.56 | 41.91 3.06 -3.31 | 38.99 2.81 -1.51 | 46.82 3.41 -1.81 | 46.74 3.03 -7.16 | 53.54 4.08 -1.51 | 63.87 4.82 -9.87 | 53.41 3.39 -13.91 | 43.60 2.94 -6.92 | 41.40 2.41 -9.55 |
| RAVENSWOOD_GT_1 23729 | 36.83 2.28 0.00 | 32.57 1.87 0.00 | 29.86 1.77 0.00 | 29.85 1.74 0.00 | 29.86 1.66 0.00 | 29.61 1.68 0.00 | 29.89 1.67 0.00 | 33.75 2.06 0.00 | 35.53 2.32 0.00 | 35.21 2.48 -0.54 | 38.74 2.74 0.00 | 38.44 2.85 0.00 | 40.30 2.72 -2.72 | 38.20 2.61 -2.57 | 41.04 3.00 -0.56 | 41.88 3.02 -3.31 | 38.96 2.77 -1.51 | 46.73 3.33 -1.81 | 46.71 3.00 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.37 3.36 -13.91 | 43.57 2.90 -6.93 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT_10 24258 | 36.73 2.18 0.00 | 32.42 1.72 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.69 2.00 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT_11 24259 | 36.73 2.18 0.00 | 32.42 1.72 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.69 2.00 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT_4 24252 | 36.76 2.21 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.30 2.72 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.77 4.72 -9.87 | 53.33 3.32 -13.90 | 43.53 2.87 -6.92 | 41.34 2.36 -9.55 |
| RAVENSWOOD_GT_5 24254 | 36.76 2.21 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.30 2.72 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.77 4.72 -9.87 | 53.33 3.32 -13.90 | 43.53 2.87 -6.92 | 41.34 2.36 -9.55 |
| RAVENSWOOD_GT_6 24253 | 36.76 2.21 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.30 2.72 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.77 4.72 -9.87 | 53.33 3.32 -13.90 | 43.53 2.87 -6.92 | 41.34 2.36 -9.55 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| RAVENSWOOD_GT_7 24255 | 36.76 2.21 0.00 | 32.48 1.78 0.00 | 29.77 1.69 0.00 | 29.76 1.66 0.00 | 29.77 1.58 0.00 | 29.55 1.62 0.00 | 29.86 1.64 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.30 2.72 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.77 4.72 -9.87 | 53.33 3.32 -13.90 | 43.53 2.87 -6.92 | 41.34 2.36 -9.55 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 36.73 2.18 0.00 | 32.42 1.72 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.69 2.00 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD_GT_9 24257 | 36.73 2.18 0.00 | 32.42 1.72 0.00 | 29.72 1.63 0.00 | 29.73 1.63 0.00 | 29.72 1.52 0.00 | 29.49 1.56 0.00 | 29.83 1.61 0.00 | 33.69 2.00 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.04 3.00 -0.56 | 41.84 2.99 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.45 3.98 -1.51 | 63.82 4.77 -9.87 | 53.33 3.32 -13.91 | 43.57 2.90 -6.92 | 41.37 2.38 -9.55 |
| RAVENSWOOD___1 23533 | 36.87 2.32 0.00 | 32.72 2.03 0.00 | 29.91 1.82 0.00 | 29.96 1.85 0.00 | 29.91 1.72 0.00 | 29.74 1.81 0.00 | 30.00 1.78 0.00 | 33.75 2.06 0.00 | 35.60 2.39 0.00 | 35.20 2.48 -0.54 | 38.71 2.70 0.00 | 38.40 2.81 0.00 | 40.29 2.72 -2.70 | 38.16 2.58 -2.56 | 41.04 3.00 -0.56 | 41.83 2.99 -3.29 | 38.93 2.74 -1.52 | 46.74 3.33 -1.82 | 46.72 2.96 -7.21 | 53.44 3.98 -1.51 | 63.82 4.72 -9.91 | 53.41 3.32 -13.99 | 43.53 2.87 -6.92 | 41.46 2.47 -9.55 |
| RAVENSWOOD___2 23534 | 36.87 2.32 0.00 | 32.72 2.03 0.00 | 29.91 1.82 0.00 | 29.96 1.85 0.00 | 29.91 1.72 0.00 | 29.74 1.81 0.00 | 30.00 1.78 0.00 | 33.72 2.03 0.00 | 35.60 2.39 0.00 | 35.20 2.48 -0.54 | 38.71 2.70 0.00 | 38.40 2.81 0.00 | 40.25 2.68 -2.70 | 38.16 2.58 -2.56 | 41.00 2.96 -0.56 | 41.83 2.99 -3.29 | 38.93 2.74 -1.52 | 46.70 3.29 -1.82 | 46.72 2.96 -7.21 | 53.44 3.98 -1.51 | 63.82 4.72 -9.91 | 53.41 3.32 -13.99 | 43.53 2.87 -6.92 | 41.46 2.47 -9.55 |
| RAVENSWOOD___3 23535 | 36.77 2.21 0.00 | 32.60 1.90 0.00 | 29.80 1.71 0.00 | 29.85 1.74 0.00 | 29.80 1.61 0.00 | 29.63 1.70 0.00 | 29.91 1.69 0.00 | 33.72 2.03 0.00 | 35.60 2.39 0.00 | 35.17 2.45 -0.54 | 38.71 2.70 0.00 | 38.40 2.81 0.00 | 40.29 2.72 -2.70 | 38.16 2.58 -2.56 | 41.04 3.00 -0.56 | 41.83 2.99 -3.29 | 38.93 2.74 -1.52 | 46.74 3.33 -1.82 | 46.76 3.00 -7.21 | 53.49 4.03 -1.51 | 63.87 4.77 -9.91 | 53.41 3.32 -13.99 | 43.57 2.90 -6.92 | 41.46 2.47 -9.55 |
| RAVENSWOOD___4 23820 | 36.87 2.32 0.00 | 32.69 1.99 0.00 | 29.91 1.82 0.00 | 29.93 1.83 0.00 | 29.91 1.72 0.00 | 29.74 1.81 0.00 | 29.97 1.75 0.00 | 33.72 2.03 0.00 | 35.60 2.39 0.00 | 35.20 2.48 -0.54 | 38.71 2.70 0.00 | 38.40 2.81 0.00 | 40.25 2.68 -2.70 | 38.16 2.58 -2.56 | 41.00 2.96 -0.56 | 41.83 2.99 -3.29 | 38.93 2.74 -1.52 | 46.70 3.29 -1.82 | 46.72 2.96 -7.21 | 53.44 3.98 -1.51 | 63.82 4.72 -9.91 | 53.38 3.29 -13.99 | 43.50 2.83 -6.92 | 41.43 2.44 -9.55 |
| RCPL_TRUST___DRP 24196 | 36.97 2.42 0.00 | 32.66 1.96 0.00 | 29.94 1.85 0.00 | 29.93 1.83 0.00 | 29.94 1.75 0.00 | 29.72 1.79 0.00 | 30.06 1.83 0.00 | 33.97 2.28 0.00 | 35.83 2.62 0.00 | 35.50 2.77 -0.54 | 39.06 3.06 0.00 | 38.76 3.17 0.00 | 40.65 3.07 -2.72 | 38.50 2.91 -2.57 | 41.41 3.37 -0.56 | 42.20 3.34 -3.31 | 39.27 3.09 -1.52 | 47.11 3.70 -1.81 | 47.04 3.33 -7.16 | 53.92 4.46 -1.51 | 64.21 5.16 -9.86 | 53.62 3.61 -13.91 | 43.80 3.14 -6.92 | 41.57 2.59 -9.55 |
| RED___ROCHESTER 323720 | 32.92 -1.62 0.01 | 28.90 -1.78 0.01 | 26.70 -1.38 0.01 | 26.63 -1.46 0.01 | 26.86 -1.32 0.01 | 26.93 -1.00 0.00 | 27.40 -0.82 0.00 | 30.61 -1.08 0.01 | 31.47 -1.73 0.01 | 28.53 -2.09 1.57 | 29.06 -2.16 4.78 | 28.35 -2.31 4.93 | 24.74 -2.23 7.89 | 23.47 -2.08 7.47 | 25.82 -2.32 9.33 | 23.84 -2.10 9.61 | 20.83 -1.59 12.25 | 20.99 -1.87 18.73 | 34.64 -2.08 -0.17 | 36.33 -2.83 8.80 | 35.04 -2.80 11.35 | 34.47 -1.91 -0.28 | 32.05 -1.82 -0.13 | 28.40 -1.71 -0.67 |
| REGAN___SOLAR 323812 | 36.80 2.24 0.00 | 32.69 1.99 0.00 | 29.89 1.80 0.00 | 29.93 1.83 0.00 | 30.00 1.81 0.00 | 29.69 1.76 0.00 | 30.03 1.81 0.00 | 33.50 1.81 0.00 | 34.71 1.50 0.00 | 33.95 1.22 -0.54 | 38.34 1.29 -1.04 | 37.91 1.25 -1.07 | 38.90 1.32 -2.71 | 36.88 1.29 -2.57 | 41.75 1.54 -2.74 | 40.48 1.64 -3.30 | 37.79 1.60 -1.53 | 45.96 2.29 -2.08 | 47.59 2.23 -8.81 | 52.55 3.26 -1.33 | 64.02 3.35 -11.49 | 55.58 2.38 -17.09 | 44.39 2.19 -8.46 | 43.10 1.89 -11.77 |
| RENSSELAER___COGEN 23796 | 35.76 1.21 0.00 | 31.83 1.14 0.00 | 29.10 1.01 0.00 | 29.14 1.04 0.00 | 29.18 0.99 0.00 | 28.88 0.95 0.00 | 28.98 0.76 0.00 | 32.55 0.86 0.00 | 34.20 1.00 0.00 | 33.15 0.96 0.00 | 37.05 1.04 0.00 | 36.70 1.10 0.00 | 35.94 1.08 0.00 | 34.04 1.02 0.00 | 39.28 1.16 -0.64 | 36.72 1.17 0.00 | 35.71 1.04 0.00 | 42.88 1.29 0.00 | 45.54 1.10 -7.89 | 49.49 1.53 0.00 | 59.37 1.33 -8.86 | 52.45 1.05 -15.30 | 42.39 1.08 -7.57 | 41.18 0.94 -10.80 |
| REPUBLIC_115KV_BARTNBRK 55605 | 37.59 3.04 0.00 | 33.43 2.73 0.00 | 30.56 2.47 0.00 | 30.69 2.59 0.00 | 30.73 2.54 0.00 | 30.42 2.49 0.00 | 30.73 2.51 0.00 | 34.26 2.57 0.00 | 35.77 2.56 0.00 | 34.63 2.45 0.00 | 38.70 2.70 0.00 | 38.12 2.53 0.00 | 37.23 2.37 0.00 | 35.27 2.25 0.00 | 40.61 2.47 -0.66 | 37.96 2.42 0.00 | 36.92 2.25 0.00 | 44.88 3.29 0.00 | 47.87 3.25 -8.07 | 52.27 4.32 0.00 | 62.66 4.43 -9.05 | 54.85 3.11 -15.63 | 44.26 2.73 -7.78 | 42.83 2.30 -11.10 |
| REVERE_CPPR_DRP 24186 | 35.28 0.73 0.00 | 31.31 0.61 0.00 | 28.62 0.53 0.00 | 28.58 0.48 0.00 | 28.76 0.56 0.00 | 28.38 0.45 0.00 | 28.73 0.51 0.00 | 32.20 0.51 0.00 | 33.71 0.50 0.00 | 32.51 0.32 0.00 | 36.51 0.50 0.00 | 35.81 0.21 0.00 | 35.17 0.31 0.00 | 33.25 0.23 0.00 | 37.70 0.19 -0.04 | 35.94 0.39 0.00 | 35.05 0.38 0.00 | 42.09 0.50 0.00 | 37.67 0.66 -0.46 | 48.92 0.96 0.00 | 50.73 1.03 -0.52 | 37.79 0.79 -0.89 | 35.00 0.88 -0.38 | 30.75 0.77 -0.54 |
| REYNLDDPA_13_KV_LD 356490 | 34.21 -0.35 0.00 | 30.42 -0.28 0.00 | 27.78 -0.31 0.00 | 27.82 -0.28 0.00 | 27.97 -0.23 0.00 | 27.74 -0.19 0.00 | 28.05 -0.17 0.00 | 31.44 -0.25 0.00 | 32.98 -0.23 0.00 | 32.03 -0.16 0.00 | 35.79 -0.21 0.00 | 35.45 -0.14 0.00 | 34.69 -0.17 0.00 | 32.82 -0.20 0.00 | 37.25 -0.22 0.00 | 35.33 -0.21 0.00 | 34.50 -0.17 0.00 | 41.34 -0.25 0.00 | 36.30 -0.25 0.00 | 47.62 -0.33 0.00 | 48.84 -0.34 0.00 | 35.78 -0.33 0.00 | 33.40 -0.34 0.00 | 29.11 -0.32 0.00 |
| REYNOLDS_115KV_TB3 80639 | 35.80 1.24 0.00 | 31.95 1.26 0.00 | 29.27 1.18 0.00 | 29.28 1.18 0.00 | 29.32 1.13 0.00 | 29.02 1.09 0.00 | 29.21 0.99 0.00 | 32.83 1.14 0.00 | 34.44 1.23 0.00 | 33.41 1.22 0.00 | 37.34 1.33 0.00 | 36.98 1.39 0.00 | 36.25 1.39 0.00 | 34.34 1.32 0.00 | 39.62 1.50 -0.64 | 37.04 1.49 0.00 | 36.02 1.35 0.00 | 43.26 1.66 0.00 | 45.90 1.46 -7.89 | 49.97 2.01 0.00 | 59.80 1.77 -8.85 | 52.79 1.41 -15.28 | 42.71 1.38 -7.59 | 41.35 1.09 -10.82 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| RIVERBAY____ 323610 | 37.35 2.80 0.00 | 33.06 2.36 0.00 | 30.31 2.22 0.00 | 30.29 2.19 0.00 | 30.31 2.11 0.00 | 30.00 2.07 0.00 | 30.17 1.95 0.00 | 34.07 2.38 0.00 | 35.86 2.66 0.00 | 35.50 2.77 -0.54 | 39.06 3.06 0.00 | 38.76 3.17 0.00 | 40.58 3.00 -2.72 | 38.50 2.91 -2.57 | 41.38 3.34 -0.56 | 42.16 3.31 -3.31 | 39.24 3.05 -1.51 | 47.11 3.70 -1.81 | 47.04 3.33 -7.16 | 53.92 4.46 -1.51 | 64.26 5.21 -9.87 | 53.66 3.65 -13.91 | 43.80 3.14 -6.92 | 41.66 2.68 -9.55 |
| RIVERSIDE_115KV_TB3 55908 | 35.69 1.14 0.00 | 31.89 1.20 0.00 | 29.21 1.12 0.00 | 29.23 1.12 0.00 | 29.26 1.07 0.00 | 28.94 1.01 0.00 | 29.10 0.87 0.00 | 32.70 1.01 0.00 | 34.30 1.10 0.00 | 33.31 1.13 0.00 | 37.23 1.22 0.00 | 36.87 1.28 0.00 | 36.12 1.25 0.00 | 34.21 1.19 0.00 | 39.47 1.35 -0.64 | 36.90 1.35 0.00 | 35.88 1.21 0.00 | 43.09 1.50 0.00 | 45.76 1.32 -7.90 | 49.73 1.77 0.00 | 59.62 1.57 -8.86 | 52.63 1.23 -15.30 | 42.59 1.25 -7.60 | 41.25 0.97 -10.84 |
| ROARING____BROOK_WT_PWR 323790 | 33.82 -0.73 0.00 | 29.99 -0.70 0.00 | 27.41 -0.67 0.00 | 27.43 -0.67 0.00 | 27.52 -0.68 0.00 | 27.26 -0.67 0.00 | 27.54 -0.68 0.00 | 30.96 -0.73 0.00 | 32.51 -0.70 0.00 | 31.61 -0.58 0.00 | 35.36 -0.65 0.00 | 34.95 -0.64 0.00 | 34.23 -0.63 0.00 | 32.39 -0.63 0.00 | 36.73 -0.75 0.00 | 34.87 -0.68 0.00 | 34.01 -0.66 0.00 | 40.80 -0.79 0.00 | 35.85 -0.70 0.00 | 46.90 -1.06 0.00 | 48.00 -1.18 0.00 | 35.17 -0.94 0.00 | 32.83 -0.91 0.00 | 28.61 -0.82 0.00 |
| ROCHESRG_115KV_T4 355643 | 32.95 -1.59 0.01 | 28.97 -1.72 0.01 | 26.56 -1.52 0.01 | 26.55 -1.55 0.01 | 26.75 -1.44 0.01 | 26.76 -1.17 0.00 | 27.23 -0.99 0.00 | 30.32 -1.36 0.00 | 31.40 -1.79 0.01 | 28.25 -2.38 1.56 | 29.01 -2.52 4.48 | 28.32 -2.67 4.61 | 24.45 -2.58 7.83 | 23.22 -2.38 7.42 | 26.06 -2.70 8.72 | 23.52 -2.49 9.54 | 24.61 -1.94 8.12 | 27.06 -2.33 12.21 | 34.31 -2.49 -0.24 | 35.55 -3.40 9.00 | 34.31 -3.39 11.48 | 34.19 -2.35 -0.43 | 31.63 -2.19 -0.08 | 28.40 -1.71 -0.67 |
| ROCHESTER_9_IC 23652 | 33.16 -1.38 0.01 | 29.12 -1.57 0.01 | 26.70 -1.38 0.01 | 26.69 -1.41 0.01 | 26.89 -1.30 0.01 | 26.90 -1.03 0.00 | 27.37 -0.85 0.00 | 30.51 -1.17 0.00 | 31.57 -1.63 0.01 | 28.42 -2.19 1.58 | 29.15 -2.30 4.55 | 28.45 -2.46 4.69 | 24.55 -2.37 7.94 | 23.32 -2.18 7.52 | 26.10 -2.51 8.87 | 23.60 -2.27 9.68 | 24.65 -1.73 8.29 | 27.05 -2.08 12.47 | 34.57 -2.23 -0.25 | 35.69 -3.07 9.20 | 34.40 -3.05 11.74 | 34.44 -2.09 -0.43 | 31.83 -1.99 -0.07 | 28.58 -1.53 -0.67 |
| ROCKVIEW_13_KV_LD 356306 | 36.76 2.21 0.00 | 32.51 1.81 0.00 | 29.77 1.69 0.00 | 29.79 1.69 0.00 | 29.80 1.61 0.00 | 29.58 1.65 0.00 | 29.94 1.72 0.00 | 33.78 2.09 0.00 | 35.60 2.39 0.00 | 35.27 2.54 -0.54 | 38.81 2.81 0.00 | 38.62 3.03 0.00 | 40.47 2.89 -2.72 | 38.37 2.77 -2.57 | 41.26 3.22 -0.56 | 42.05 3.20 -3.31 | 39.13 2.95 -1.52 | 46.94 3.54 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 63.87 4.82 -9.86 | 53.33 3.32 -13.91 | 43.50 2.83 -6.92 | 41.31 2.33 -9.55 |
| ROME____115KV_TB2 80656 | 35.28 0.73 0.00 | 31.31 0.61 0.00 | 28.62 0.53 0.00 | 28.58 0.48 0.00 | 28.76 0.56 0.00 | 28.38 0.45 0.00 | 28.73 0.51 0.00 | 32.20 0.51 0.00 | 33.71 0.50 0.00 | 32.51 0.32 0.00 | 36.51 0.50 0.00 | 35.81 0.21 0.00 | 35.17 0.31 0.00 | 33.25 0.23 0.00 | 37.70 0.19 -0.04 | 35.94 0.39 0.00 | 35.05 0.38 0.00 | 42.09 0.50 0.00 | 37.67 0.66 -0.46 | 48.92 0.96 0.00 | 50.73 1.03 -0.52 | 37.79 0.79 -0.89 | 35.00 0.88 -0.38 | 30.75 0.77 -0.54 |
| ROSETON____1 23587 | 36.38 1.83 0.00 | 32.29 1.60 0.00 | 29.55 1.46 0.00 | 29.56 1.46 0.00 | 29.57 1.38 0.00 | 29.33 1.40 0.00 | 29.63 1.41 0.00 | 33.37 1.68 0.00 | 35.20 1.99 0.00 | 34.75 2.03 -0.53 | 38.20 2.20 0.00 | 37.87 2.28 0.00 | 39.75 2.20 -2.69 | 37.68 2.12 -2.55 | 40.48 2.43 -0.57 | 41.27 2.45 -3.27 | 38.43 2.25 -1.51 | 46.07 2.66 -1.81 | 46.15 2.41 -7.19 | 52.74 3.26 -1.52 | 62.73 3.64 -9.91 | 52.59 2.53 -13.95 | 42.91 2.26 -6.91 | 40.87 1.91 -9.52 |
| ROSETON____2 23588 | 36.38 1.83 0.00 | 32.29 1.60 0.00 | 29.55 1.46 0.00 | 29.56 1.46 0.00 | 29.57 1.38 0.00 | 29.33 1.40 0.00 | 29.63 1.41 0.00 | 33.37 1.68 0.00 | 35.20 1.99 0.00 | 34.75 2.03 -0.53 | 38.20 2.20 0.00 | 37.87 2.28 0.00 | 39.75 2.20 -2.69 | 37.68 2.12 -2.55 | 40.48 2.43 -0.57 | 41.27 2.45 -3.27 | 38.43 2.25 -1.51 | 46.07 2.66 -1.81 | 46.15 2.41 -7.19 | 52.74 3.26 -1.52 | 62.73 3.64 -9.91 | 52.59 2.53 -13.95 | 42.91 2.26 -6.91 | 40.87 1.91 -9.52 |
| ROTTDRAM_115KV_TB3 80664 | 35.73 1.17 0.00 | 31.77 1.07 0.00 | 29.07 0.98 0.00 | 29.11 1.01 0.00 | 29.15 0.96 0.00 | 28.85 0.92 0.00 | 29.15 0.93 0.00 | 32.77 1.08 0.00 | 34.30 1.10 0.00 | 33.25 1.06 0.00 | 37.16 1.15 0.00 | 36.80 1.21 0.00 | 36.05 1.19 0.00 | 34.14 1.12 0.00 | 39.41 1.27 -0.66 | 36.82 1.28 0.00 | 35.88 1.21 0.00 | 43.13 1.54 0.00 | 46.06 1.39 -8.13 | 49.83 1.87 0.00 | 60.12 1.82 -9.12 | 53.22 1.37 -15.74 | 42.83 1.25 -7.84 | 41.65 1.03 -11.19 |
| RUSSELL____1 23602 | 33.26 -1.28 0.01 | 29.21 -1.47 0.01 | 26.79 -1.29 0.01 | 26.77 -1.32 0.01 | 27.00 -1.18 0.01 | 27.01 -0.92 0.00 | 27.49 -0.73 0.00 | 30.61 -1.08 0.00 | 31.70 -1.49 0.01 | 28.55 -2.06 1.58 | 29.30 -2.16 4.54 | 28.60 -2.31 4.68 | 24.69 -2.23 7.94 | 23.45 -2.05 7.52 | 26.29 -2.32 8.86 | 23.78 -2.10 9.67 | 24.80 -1.59 8.28 | 27.27 -1.87 12.45 | 34.72 -2.08 -0.25 | 35.94 -2.83 9.19 | 34.66 -2.80 11.72 | 34.62 -1.91 -0.43 | 31.99 -1.82 -0.07 | 28.70 -1.41 -0.67 |
| RUSSELL____2 23532 | 33.26 -1.28 0.01 | 29.21 -1.47 0.01 | 26.79 -1.29 0.01 | 26.77 -1.32 0.01 | 27.00 -1.18 0.01 | 27.01 -0.92 0.00 | 27.49 -0.73 0.00 | 30.61 -1.08 0.00 | 31.70 -1.49 0.01 | 28.55 -2.06 1.58 | 29.30 -2.16 4.54 | 28.60 -2.31 4.68 | 24.69 -2.23 7.94 | 23.45 -2.05 7.52 | 26.29 -2.32 8.86 | 23.78 -2.10 9.67 | 24.80 -1.59 8.28 | 27.27 -1.87 12.45 | 34.72 -2.08 -0.25 | 35.94 -2.83 9.19 | 34.66 -2.80 11.72 | 34.62 -1.91 -0.43 | 31.99 -1.82 -0.07 | 28.70 -1.41 -0.67 |
| RUSSELL____3 23549 | 33.26 -1.28 0.01 | 29.21 -1.47 0.01 | 26.79 -1.29 0.01 | 26.77 -1.32 0.01 | 27.00 -1.18 0.01 | 27.01 -0.92 0.00 | 27.49 -0.73 0.00 | 30.61 -1.08 0.00 | 31.70 -1.49 0.01 | 28.55 -2.06 1.58 | 29.30 -2.16 4.54 | 28.60 -2.31 4.68 | 24.69 -2.23 7.94 | 23.45 -2.05 7.52 | 26.29 -2.32 8.86 | 23.78 -2.10 9.67 | 24.80 -1.59 8.28 | 27.27 -1.87 12.45 | 34.72 -2.08 -0.25 | 35.94 -2.83 9.19 | 34.66 -2.80 11.72 | 34.62 -1.91 -0.43 | 31.99 -1.82 -0.07 | 28.70 -1.41 -0.67 |
| RUSSELL____4 23556 | 33.26 -1.28 0.01 | 29.21 -1.47 0.01 | 26.79 -1.29 0.01 | 26.77 -1.32 0.01 | 27.00 -1.18 0.01 | 27.01 -0.92 0.00 | 27.49 -0.73 0.00 | 30.61 -1.08 0.00 | 31.70 -1.49 0.01 | 28.55 -2.06 1.58 | 29.30 -2.16 4.54 | 28.60 -2.31 4.68 | 24.69 -2.23 7.94 | 23.45 -2.05 7.52 | 26.29 -2.32 8.86 | 23.78 -2.10 9.67 | 24.80 -1.59 8.28 | 27.27 -1.87 12.45 | 34.72 -2.08 -0.25 | 35.94 -2.83 9.19 | 34.66 -2.80 11.72 | 34.62 -1.91 -0.43 | 31.99 -1.82 -0.07 | 28.70 -1.41 -0.67 |
| RUSSELL____STATION 23914 | 33.26 -1.28 0.01 | 29.21 -1.47 0.01 | 26.79 -1.29 0.01 | 26.77 -1.32 0.01 | 27.00 -1.18 0.01 | 27.01 -0.92 0.00 | 27.49 -0.73 0.00 | 30.61 -1.08 0.00 | 31.70 -1.49 0.01 | 28.55 -2.06 1.58 | 29.30 -2.16 4.54 | 28.60 -2.31 4.68 | 24.69 -2.23 7.94 | 23.45 -2.05 7.52 | 26.29 -2.32 8.86 | 23.78 -2.10 9.67 | 24.80 -1.59 8.28 | 27.27 -1.87 12.45 | 34.72 -2.08 -0.25 | 35.94 -2.83 9.19 | 34.66 -2.80 11.72 | 34.62 -1.91 -0.43 | 31.99 -1.82 -0.07 | 28.70 -1.41 -0.67 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| S SALMON___HYD 24043 | 34.14 -0.41 0.00 | 30.30 -0.40 0.00 | 27.72 -0.37 0.00 | 27.68 -0.42 0.00 | 27.83 -0.37 0.00 | 27.51 -0.42 0.00 | 27.77 -0.45 0.00 | 30.99 -0.70 0.00 | 32.34 -0.86 0.00 | 30.69 -0.90 0.60 | 35.14 -0.86 0.00 | 34.60 -1.00 0.00 | 30.92 -0.94 3.00 | 29.29 -0.89 2.84 | 36.48 -1.05 -0.05 | 30.93 -0.96 3.65 | 32.15 -0.83 1.69 | 38.53 -1.04 2.02 | 36.18 -0.70 -0.33 | 45.78 -0.86 1.32 | 47.17 -0.79 1.23 | 36.15 -0.58 -0.62 | 33.65 -0.40 -0.31 | 29.90 -0.27 -0.73 |
| S.PERRY___115KV_TB1 80734 | 33.88 -0.66 0.02 | 29.85 -0.83 0.02 | 27.31 -0.76 0.02 | 27.30 -0.79 0.02 | 27.50 -0.68 0.02 | 27.48 -0.45 0.00 | 27.97 -0.25 0.00 | 31.08 -0.60 0.01 | 32.36 -0.83 0.02 | 28.03 -1.45 2.70 | 25.58 -1.55 8.88 | 24.56 -1.89 9.15 | 19.35 -1.88 13.63 | 18.30 -1.82 12.91 | 18.06 -2.06 17.36 | 17.17 -1.78 16.60 | 25.69 -1.35 7.63 | 28.90 -1.41 11.28 | 56.06 -1.24 -20.75 | 38.98 -1.39 7.59 | 38.73 -1.28 9.18 | 35.15 -0.87 0.09 | 32.60 -0.98 0.16 | 29.27 -0.82 -0.65 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 31.63 -2.90 0.02 | 27.92 -2.76 0.02 | 25.57 -2.50 0.02 | 25.56 -2.53 0.02 | 25.72 -2.45 0.02 | 25.70 -2.23 0.00 | 26.25 -1.98 0.00 | 29.18 -2.50 0.01 | 30.57 -2.62 0.02 | 26.50 -3.44 2.24 | 24.95 -3.60 7.45 | 24.12 -3.81 7.67 | 19.90 -3.66 11.30 | 18.95 -3.37 10.70 | 19.03 -3.90 14.54 | 18.27 -3.52 13.76 | 23.36 -3.12 8.19 | 25.61 -3.66 12.32 | 27.12 -3.76 5.66 | 34.11 -5.23 8.62 | 33.14 -5.31 10.74 | 32.51 -3.76 -0.16 | 30.32 -3.37 0.05 | 27.35 -2.74 -0.65 |
| SAWYER___23_KV_LOAD 55526 | 31.63 -2.90 0.02 | 27.92 -2.76 0.02 | 25.57 -2.50 0.02 | 25.56 -2.53 0.02 | 25.72 -2.45 0.02 | 25.70 -2.23 0.00 | 26.25 -1.98 0.00 | 29.18 -2.50 0.01 | 30.57 -2.62 0.02 | 26.50 -3.44 2.24 | 24.95 -3.60 7.45 | 24.12 -3.81 7.67 | 19.90 -3.66 11.30 | 18.95 -3.37 10.70 | 19.03 -3.90 14.54 | 18.27 -3.52 13.76 | 23.36 -3.12 8.19 | 25.61 -3.66 12.32 | 27.12 -3.76 5.66 | 34.11 -5.23 8.62 | 33.14 -5.31 10.74 | 32.51 -3.76 -0.16 | 30.32 -3.37 0.05 | 27.35 -2.74 -0.65 |
| SELKIRK___I 23801 | 35.94 1.38 0.00 | 31.99 1.29 0.00 | 29.27 1.18 0.00 | 29.28 1.18 0.00 | 29.35 1.16 0.00 | 29.02 1.09 0.00 | 29.18 0.96 0.00 | 32.77 1.08 0.00 | 34.37 1.16 0.00 | 33.31 1.13 0.00 | 37.23 1.22 0.00 | 36.84 1.25 0.00 | 36.08 1.22 0.00 | 34.17 1.16 0.00 | 39.39 1.27 -0.64 | 36.90 1.35 0.00 | 37.01 1.21 -1.12 | 44.48 1.54 -1.35 | 45.68 1.31 -7.82 | 49.83 1.87 0.00 | 59.73 1.77 -8.78 | 52.56 1.30 -15.15 | 42.53 1.28 -7.50 | 41.25 1.12 -10.70 |
| SELKIRK___II 23799 | 35.73 1.18 0.00 | 31.77 1.07 0.00 | 29.07 0.98 0.00 | 29.09 0.98 0.00 | 29.15 0.96 0.00 | 28.82 0.89 0.00 | 29.01 0.79 0.00 | 32.58 0.89 0.00 | 34.24 1.03 0.00 | 33.19 1.00 0.00 | 37.08 1.08 0.00 | 36.73 1.14 0.00 | 35.94 1.08 0.00 | 34.08 1.06 0.00 | 39.28 1.16 -0.64 | 36.75 1.21 0.00 | 35.75 1.08 0.00 | 42.92 1.33 0.00 | 45.54 1.13 -7.85 | 49.54 1.58 0.00 | 59.47 1.47 -8.81 | 52.45 1.12 -15.22 | 42.39 1.11 -7.53 | 41.13 0.94 -10.75 |
| SENECA OSWGO___HYD 24041 | 33.89 -0.66 0.00 | 30.11 -0.58 0.00 | 27.58 -0.50 0.00 | 27.54 -0.56 0.00 | 27.66 -0.54 0.00 | 27.43 -0.50 0.00 | 27.71 -0.51 0.00 | 30.96 -0.73 0.00 | 32.31 -0.90 0.00 | 30.67 -0.87 0.65 | 34.10 -0.90 1.00 | 33.56 -1.00 1.03 | 30.61 -0.98 3.28 | 29.03 -0.89 3.10 | 34.55 -1.01 1.91 | 30.49 -1.07 3.99 | 31.86 -0.97 1.84 | 37.94 -1.21 2.45 | 36.07 -0.84 -0.36 | 45.42 -1.10 1.44 | 46.81 -1.04 1.34 | 36.02 -0.76 -0.67 | 33.36 -0.71 -0.33 | 29.67 -0.56 -0.79 |
| SENECA___115KV_TB3 355854 | 31.77 -2.77 0.02 | 28.13 -2.55 0.02 | 25.82 -2.25 0.02 | 25.78 -2.30 0.02 | 25.89 -2.28 0.02 | 25.69 -2.24 0.00 | 26.27 -1.95 0.00 | 29.30 -2.38 0.01 | 30.93 -2.26 0.02 | 26.85 -2.99 2.35 | 24.71 -3.06 8.24 | 23.78 -3.31 8.50 | 19.81 -3.21 11.84 | 18.83 -2.97 11.22 | 17.89 -3.45 16.13 | 18.02 -3.09 14.43 | 19.89 -2.91 11.87 | 20.17 -3.29 18.14 | 27.28 -3.29 5.98 | 35.20 -4.46 8.30 | 34.27 -4.52 10.39 | 32.90 -3.18 0.03 | 30.86 -2.87 0.02 | 27.58 -2.50 -0.65 |
| SENECA___ENERGY 23797 | 33.96 -0.59 0.01 | 30.10 -0.58 0.01 | 27.60 -0.48 0.01 | 27.56 -0.53 0.01 | 27.71 -0.48 0.01 | 27.54 -0.39 0.00 | 27.88 -0.34 0.00 | 31.18 -0.51 0.00 | 32.54 -0.66 0.01 | 29.96 -0.80 1.43 | 31.57 -0.86 3.57 | 30.93 -1.00 3.67 | 26.69 -0.98 7.20 | 25.31 -0.89 6.81 | 29.58 -0.97 6.93 | 25.86 -0.92 8.76 | 38.77 -0.80 -4.89 | 49.06 -0.88 -8.34 | 37.64 -0.66 -1.74 | 56.63 -0.82 -9.48 | 62.67 -0.79 -14.27 | 36.14 -0.54 -0.57 | 33.48 -0.54 -0.28 | 29.84 -0.50 -0.90 |
| SHOEMAKER___GT 23640 | 36.25 1.69 0.00 | 32.20 1.50 0.00 | 29.44 1.35 0.00 | 29.48 1.38 0.00 | 29.49 1.30 0.00 | 29.24 1.31 0.00 | 29.52 1.30 0.00 | 33.24 1.55 0.00 | 35.04 1.83 0.00 | 34.62 1.83 -0.60 | 38.92 1.94 -0.98 | 38.59 1.99 -1.01 | 39.83 1.95 -3.02 | 37.73 1.85 -2.86 | 42.10 2.17 -2.46 | 41.39 2.17 -3.68 | 38.37 2.01 -1.69 | 46.22 2.37 -2.26 | 45.61 2.19 -6.87 | 52.68 3.02 -1.70 | 62.30 3.35 -9.77 | 51.75 2.31 -13.33 | 42.47 2.13 -6.60 | 40.36 1.80 -9.12 |
| SHOEMAKR_138KV_BK 111 55601 | 36.21 1.66 0.00 | 32.11 1.41 0.00 | 29.41 1.32 0.00 | 29.43 1.32 0.00 | 29.44 1.24 0.00 | 29.19 1.26 0.00 | 29.49 1.27 0.00 | 33.24 1.55 0.00 | 34.97 1.76 0.00 | 34.66 1.87 -0.61 | 38.98 1.98 -1.00 | 38.65 2.03 -1.02 | 39.91 1.99 -3.06 | 37.80 1.88 -2.90 | 42.18 2.21 -2.49 | 41.48 2.20 -3.73 | 38.42 2.05 -1.71 | 46.29 2.41 -2.28 | 45.57 2.19 -6.82 | 52.68 3.02 -1.70 | 62.26 3.34 -9.73 | 51.74 2.35 -13.29 | 42.44 2.13 -6.57 | 40.24 1.71 -9.09 |
| SHOREHAM_IC_1 23715 | 38.02 3.45 -0.01 | 33.74 3.04 0.00 | 30.78 2.70 0.00 | 30.92 2.81 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.00 2.77 -0.01 | 34.90 3.20 -0.01 | 36.77 3.55 -0.01 | 36.24 3.51 -0.55 | 43.39 3.85 -3.54 | 42.93 3.74 -3.60 | 47.57 3.59 -9.11 | 49.85 3.33 -13.49 | 48.46 3.93 -7.05 | 48.42 3.87 -9.00 | 45.79 3.71 -7.40 | 50.54 4.41 -4.54 | 50.45 3.98 -9.91 | 54.61 5.13 -1.52 | 64.61 5.51 -9.92 | 53.74 3.65 -13.99 | 44.29 3.61 -6.93 | 42.26 3.27 -9.56 |
| SHOREHAM_IC_2 23716 | 38.02 3.45 -0.01 | 33.74 3.04 0.00 | 30.78 2.70 0.00 | 30.92 2.81 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.00 2.77 -0.01 | 34.90 3.20 -0.01 | 36.77 3.55 -0.01 | 36.24 3.51 -0.55 | 43.39 3.85 -3.54 | 42.93 3.74 -3.60 | 47.57 3.59 -9.11 | 49.85 3.33 -13.49 | 48.46 3.93 -7.05 | 48.42 3.87 -9.00 | 45.79 3.71 -7.40 | 50.54 4.41 -4.54 | 50.45 3.98 -9.91 | 54.61 5.13 -1.52 | 64.61 5.51 -9.92 | 53.74 3.65 -13.99 | 44.29 3.61 -6.93 | 42.26 3.27 -9.56 |
| SISSONVILLE____ 23735 | 32.79 -1.76 0.00 | 29.16 -1.53 0.00 | 26.57 -1.52 0.00 | 26.61 -1.49 0.00 | 26.78 -1.41 0.00 | 26.53 -1.40 0.00 | 26.84 -1.38 0.00 | 30.04 -1.65 0.00 | 31.45 -1.76 0.00 | 30.51 -1.67 0.00 | 34.13 -1.87 0.00 | 33.78 -1.82 0.00 | 33.01 -1.85 0.00 | 31.24 -1.78 0.00 | 35.43 -2.06 -0.01 | 33.66 -1.88 0.00 | 32.90 -1.77 0.00 | 39.55 -2.04 0.00 | 34.98 -1.72 -0.15 | 45.80 -2.16 0.00 | 47.19 -2.16 -0.17 | 34.74 -1.66 -0.29 | 32.31 -1.55 -0.12 | 28.20 -1.41 -0.17 |
| SITHE_IND_GS1 24169 | 33.72 -0.83 0.00 | 29.90 -0.80 0.00 | 27.41 -0.67 0.00 | 27.40 -0.70 0.00 | 27.49 -0.70 0.00 | 27.26 -0.67 0.00 | 27.57 -0.65 0.00 | 30.80 -0.89 0.00 | 32.14 -1.06 0.00 | 30.59 -1.06 0.54 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 30.99 -1.15 2.72 | 29.35 -1.09 2.58 | 36.29 -1.24 -0.05 | 30.95 -1.28 3.32 | 31.96 -1.18 1.53 | 38.30 -1.46 1.84 | 35.69 -1.13 -0.28 | 45.28 -1.54 1.14 | 46.64 -1.47 1.07 | 35.59 -1.05 -0.53 | 33.02 -0.98 -0.26 | 29.26 -0.79 -0.62 |

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| SITHE_IND_GS2 24170 | 33.72 -0.83 0.00 | 29.90 -0.80 0.00 | 27.41 -0.67 0.00 | 27.40 -0.70 0.00 | 27.49 -0.70 0.00 | 27.26 -0.67 0.00 | 27.57 -0.65 0.00 | 30.80 -0.89 0.00 | 32.14 -1.06 0.00 | 30.59 -1.06 0.54 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 30.99 -1.15 2.72 | 29.35 -1.09 2.58 | 36.29 -1.24 -0.05 | 30.95 -1.28 3.32 | 31.96 -1.18 1.53 | 38.30 -1.46 1.84 | 35.69 -1.13 -0.28 | 45.28 -1.54 1.14 | 46.64 -1.47 1.07 | 35.59 -1.05 -0.53 | 33.02 -0.98 -0.26 | 29.26 -0.79 -0.62 |
| SITHE_IND_GS3 24171 | 33.72 -0.83 0.00 | 29.90 -0.80 0.00 | 27.41 -0.67 0.00 | 27.40 -0.70 0.00 | 27.49 -0.70 0.00 | 27.26 -0.67 0.00 | 27.57 -0.65 0.00 | 30.80 -0.89 0.00 | 32.14 -1.06 0.00 | 30.59 -1.06 0.54 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 30.99 -1.15 2.72 | 29.35 -1.09 2.58 | 36.29 -1.24 -0.05 | 30.95 -1.28 3.32 | 31.96 -1.18 1.53 | 38.30 -1.46 1.84 | 35.69 -1.13 -0.28 | 45.28 -1.54 1.14 | 46.64 -1.47 1.07 | 35.59 -1.05 -0.53 | 33.02 -0.98 -0.26 | 29.26 -0.79 -0.62 |
| SITHE_IND_GS4 24172 | 33.72 -0.83 0.00 | 29.90 -0.80 0.00 | 27.41 -0.67 0.00 | 27.40 -0.70 0.00 | 27.49 -0.70 0.00 | 27.26 -0.67 0.00 | 27.57 -0.65 0.00 | 30.80 -0.89 0.00 | 32.14 -1.06 0.00 | 30.59 -1.06 0.54 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 30.99 -1.15 2.72 | 29.35 -1.09 2.58 | 36.29 -1.24 -0.05 | 30.95 -1.28 3.32 | 31.96 -1.18 1.53 | 38.30 -1.46 1.84 | 35.69 -1.13 -0.28 | 45.28 -1.54 1.14 | 46.64 -1.47 1.07 | 35.59 -1.05 -0.53 | 33.02 -0.98 -0.26 | 29.26 -0.79 -0.62 |
| SITHE___BATAVIA 24024 | 32.12 -2.42 0.01 | 28.29 -2.39 0.01 | 26.14 -1.94 0.01 | 26.07 -2.02 0.01 | 26.32 -1.86 0.01 | 26.31 -1.62 0.00 | 26.81 -1.41 0.00 | 29.91 -1.77 0.01 | 30.80 -2.39 0.01 | 27.54 -2.77 1.88 | 26.95 -2.88 6.17 | 26.09 -3.10 6.41 | 22.35 -3.00 9.51 | 21.19 -2.81 9.02 | 22.15 -3.19 12.14 | 21.14 -2.81 11.60 | 20.31 -2.25 12.11 | 20.55 -2.54 18.51 | 30.81 -2.81 2.93 | 35.61 -3.79 8.55 | 34.45 -3.84 10.89 | 33.36 -2.89 -0.15 | 31.14 -2.67 -0.07 | 27.72 -2.38 -0.66 |
| SITHE___INDEPEND 23800 | 33.76 -0.79 0.00 | 29.96 -0.74 0.00 | 27.41 -0.67 0.00 | 27.43 -0.67 0.00 | 27.52 -0.68 0.00 | 27.26 -0.67 0.00 | 27.57 -0.65 0.00 | 30.80 -0.89 0.00 | 32.21 -1.00 0.00 | 30.58 -1.06 0.54 | 34.85 -1.15 0.00 | 34.38 -1.21 0.00 | 30.97 -1.15 2.74 | 29.34 -1.09 2.59 | 36.29 -1.24 -0.05 | 30.93 -1.28 3.34 | 31.97 -1.18 1.53 | 38.31 -1.46 1.83 | 35.77 -1.13 -0.35 | 44.90 -1.53 1.52 | 46.27 -1.48 1.44 | 35.72 -1.05 -0.66 | 32.97 -0.98 -0.20 | 29.32 -0.74 -0.62 |
| SITHE___MASSENA 23902 | 34.03 -0.52 0.00 | 30.27 -0.43 0.00 | 27.61 -0.48 0.00 | 27.65 -0.45 0.00 | 27.80 -0.39 0.00 | 27.57 -0.36 0.00 | 27.88 -0.34 0.00 | 31.25 -0.44 0.00 | 32.78 -0.43 0.00 | 31.80 -0.38 0.00 | 35.53 -0.47 0.00 | 35.20 -0.39 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.95 -0.52 0.00 | 35.08 -0.46 0.00 | 34.26 -0.41 0.00 | 41.10 -0.50 0.00 | 36.11 -0.44 0.00 | 47.43 -0.53 0.00 | 48.64 -0.54 0.00 | 35.64 -0.47 0.00 | 33.27 -0.47 0.00 | 28.97 -0.47 0.00 |
| SITHE___OGDNSBRG 24021 | 33.90 -0.66 0.00 | 30.11 -0.58 0.00 | 27.47 -0.62 0.00 | 27.51 -0.59 0.00 | 27.71 -0.48 0.00 | 27.46 -0.47 0.00 | 27.77 -0.45 0.00 | 31.06 -0.63 0.00 | 32.44 -0.76 0.00 | 31.38 -0.80 0.00 | 35.00 -1.01 0.00 | 34.63 -0.96 0.00 | 33.85 -1.01 0.00 | 32.03 -0.99 0.00 | 36.40 -1.09 -0.01 | 34.59 -0.96 0.00 | 33.87 -0.80 0.00 | 40.76 -0.83 0.00 | 36.01 -0.66 -0.12 | 47.19 -0.77 0.00 | 48.58 -0.74 -0.13 | 35.72 -0.61 -0.22 | 33.30 -0.54 -0.09 | 29.04 -0.53 -0.13 |
| SITHE___STERLING 23777 | 35.21 0.65 0.00 | 31.25 0.55 0.00 | 28.59 0.51 0.00 | 28.58 0.48 0.00 | 28.70 0.51 0.00 | 28.40 0.47 0.00 | 28.70 0.48 0.00 | 32.20 0.51 0.00 | 33.67 0.46 0.00 | 32.12 0.35 0.42 | 36.47 0.47 0.00 | 35.84 0.25 0.00 | 33.05 0.31 2.13 | 31.27 0.26 2.01 | 37.82 0.30 -0.04 | 33.35 0.39 2.59 | 33.86 0.38 1.19 | 40.66 0.50 1.43 | 37.58 0.58 -0.44 | 48.82 0.86 0.00 | 50.61 0.93 -0.50 | 37.65 0.68 -0.86 | 34.91 0.74 -0.42 | 30.69 0.65 -0.61 |
| SLEIGHT__34_KV_TB1 80719 | 33.44 -1.11 0.01 | 29.52 -1.17 0.01 | 27.01 -1.07 0.01 | 27.00 -1.10 0.01 | 27.20 -0.99 0.01 | 27.15 -0.78 0.00 | 27.54 -0.68 0.00 | 30.70 -0.98 0.00 | 31.90 -1.30 0.01 | 29.16 -1.64 1.39 | 30.67 -1.73 3.60 | 30.00 -1.89 3.71 | 26.05 -1.81 7.00 | 24.74 -1.65 6.63 | 28.60 -1.87 7.00 | 25.28 -1.74 8.53 | 25.28 -1.39 8.00 | 27.99 -1.62 11.98 | 35.26 -1.61 -0.32 | 36.78 -2.21 8.97 | 35.59 -2.16 11.43 | 35.21 -1.48 -0.59 | 32.48 -1.42 -0.16 | 29.11 -1.09 -0.76 |
| SOUTH CAIRO___GT 23612 | 36.59 2.04 0.00 | 32.69 2.00 0.00 | 29.97 1.88 0.00 | 30.01 1.91 0.00 | 30.05 1.86 0.00 | 29.72 1.79 0.00 | 29.83 1.61 0.00 | 33.46 1.77 0.00 | 35.07 1.86 0.00 | 34.35 1.74 -0.42 | 37.52 1.51 0.00 | 36.98 1.39 0.00 | 38.27 1.29 -2.12 | 36.31 1.29 -2.00 | 39.26 1.16 -0.63 | 39.65 1.53 -2.58 | 37.24 1.39 -1.18 | 44.88 1.87 -1.41 | 46.13 1.72 -7.86 | 52.15 3.02 -1.17 | 61.92 2.51 -10.22 | 53.13 1.81 -15.22 | 43.09 1.79 -7.56 | 41.46 1.50 -10.52 |
| SOUTH HAMPTN___IC 23720 | 38.36 3.80 -0.01 | 34.07 3.38 0.00 | 31.09 3.01 0.00 | 31.29 3.17 -0.01 | 31.25 3.05 -0.01 | 31.03 3.10 0.00 | 31.36 3.13 -0.01 | 35.28 3.58 -0.01 | 37.17 3.95 -0.01 | 36.59 3.86 -0.55 | 43.75 4.21 -3.53 | 43.28 4.09 -3.60 | 47.94 3.97 -9.11 | 50.23 3.73 -13.48 | 48.79 4.27 -7.04 | 48.73 4.19 -8.99 | 45.99 3.92 -7.40 | 50.67 4.53 -4.54 | 50.55 4.09 -9.91 | 54.75 5.28 -1.52 | 64.71 5.60 -9.92 | 53.78 3.68 -13.99 | 44.22 3.54 -6.93 | 42.17 3.18 -9.56 |
| SOUTHDOW__115KV_TB1 355954 | 32.42 -2.11 0.02 | 28.77 -1.90 0.02 | 26.33 -1.74 0.02 | 26.23 -1.85 0.02 | 26.37 -1.80 0.02 | 26.09 -1.84 0.00 | 26.72 -1.50 0.00 | 29.75 -1.93 0.01 | 32.06 -1.13 0.02 | 27.51 -2.06 2.62 | 24.93 -2.05 9.02 | 23.91 -2.38 9.30 | 19.44 -2.23 13.18 | 18.45 -2.08 12.49 | 17.31 -2.51 17.65 | 17.14 -2.35 16.06 | 23.68 -2.63 8.35 | 26.03 -2.99 12.57 | 30.60 -2.70 3.25 | 35.80 -3.60 8.57 | 34.91 -3.74 10.54 | 33.67 -2.46 -0.02 | 31.54 -2.09 0.11 | 28.20 -1.88 -0.65 |
| SOUTHOLD_69_KV_BK 2 55809 | 38.50 3.94 -0.01 | 34.10 3.41 0.00 | 31.21 3.12 0.00 | 31.43 3.32 -0.01 | 31.42 3.21 -0.01 | 31.14 3.21 0.00 | 31.53 3.30 -0.01 | 35.50 3.80 -0.01 | 37.30 4.08 -0.01 | 36.76 4.02 -0.55 | 43.89 4.36 -3.53 | 43.43 4.24 -3.60 | 48.10 4.11 -9.12 | 50.41 3.90 -13.50 | 48.94 4.42 -7.04 | 48.85 4.30 -9.01 | 46.02 3.95 -7.39 | 50.58 4.45 -4.54 | 50.43 4.02 -9.86 | 54.60 5.13 -1.52 | 64.52 5.46 -9.87 | 53.59 3.57 -13.91 | 44.02 3.34 -6.93 | 41.82 2.83 -9.56 |
| SOUTHOLD___IC 23719 | 38.53 3.97 -0.01 | 34.22 3.53 0.00 | 31.29 3.20 0.00 | 31.51 3.40 -0.01 | 31.47 3.27 -0.01 | 31.22 3.29 0.00 | 31.56 3.33 -0.01 | 35.53 3.83 -0.01 | 37.40 4.18 -0.01 | 36.76 4.02 -0.55 | 43.89 4.35 -3.53 | 43.43 4.23 -3.60 | 48.08 4.11 -9.11 | 50.40 3.89 -13.48 | 48.94 4.42 -7.04 | 48.84 4.30 -8.99 | 46.02 3.95 -7.40 | 50.59 4.45 -4.54 | 50.48 4.02 -9.91 | 54.66 5.18 -1.52 | 64.57 5.46 -9.92 | 53.67 3.58 -13.99 | 44.02 3.34 -6.93 | 42.00 3.00 -9.56 |
| SOUTH_FORK_WT_PWR 323839 | 38.50 3.94 -0.01 | 34.19 3.50 0.00 | 31.26 3.17 0.00 | 31.54 3.43 -0.01 | 31.47 3.27 -0.01 | 31.25 3.32 0.00 | 31.59 3.36 -0.01 | 35.53 3.83 -0.01 | 37.33 4.12 -0.01 | 36.69 3.96 -0.55 | 43.78 4.25 -3.53 | 43.32 4.13 -3.60 | 47.94 3.97 -9.11 | 50.26 3.76 -13.48 | 48.79 4.27 -7.04 | 48.66 4.12 -8.99 | 45.82 3.75 -7.40 | 50.17 4.03 -4.54 | 50.08 3.62 -9.91 | 54.03 4.56 -1.52 | 63.98 4.87 -9.92 | 53.20 3.11 -13.99 | 43.58 2.90 -6.93 | 41.61 2.62 -9.56 |

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| SPIERFLS_115KV_TB 1 80737 | 36.52 1.97 0.00 | 32.48 1.78 0.00 | 29.69 1.60 0.00 | 29.79 1.69 0.00 | 29.83 1.64 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.34 1.65 0.00 | 34.90 1.69 0.00 | 33.83 1.64 0.00 | 37.84 1.84 0.00 | 37.41 1.82 0.00 | 36.60 1.74 0.00 | 34.67 1.65 0.00 | 39.97 1.84 -0.66 | 37.36 1.81 0.00 | 36.33 1.66 0.00 | 43.84 2.25 0.00 | 46.78 2.16 -8.08 | 50.79 2.83 0.00 | 61.05 2.80 -9.06 | 53.81 2.06 -15.65 | 43.35 1.82 -7.79 | 42.04 1.50 -11.11 |
| ST LAWRENCE____ 23600 | 33.96 -0.59 0.00 | 30.17 -0.52 0.00 | 27.58 -0.50 0.00 | 27.62 -0.48 0.00 | 27.74 -0.45 0.00 | 27.51 -0.42 0.00 | 27.83 -0.40 0.00 | 31.22 -0.47 0.00 | 32.74 -0.46 0.00 | 31.77 -0.42 0.00 | 35.53 -0.47 0.00 | 35.17 -0.43 0.00 | 34.41 -0.45 0.00 | 32.56 -0.46 0.00 | 36.95 -0.52 0.00 | 35.05 -0.50 0.00 | 34.19 -0.49 0.00 | 41.01 -0.58 0.00 | 36.04 -0.51 0.00 | 47.29 -0.67 0.00 | 48.45 -0.74 0.00 | 35.53 -0.58 0.00 | 33.17 -0.57 0.00 | 28.91 -0.53 0.00 |
| STATE_CA_115KV_115_LB 55624 | 35.66 1.11 0.00 | 31.89 1.20 0.00 | 29.21 1.12 0.00 | 29.25 1.15 0.00 | 29.26 1.07 0.00 | 28.96 1.03 0.00 | 29.07 0.85 0.00 | 32.67 0.98 0.00 | 34.27 1.06 0.00 | 33.28 1.09 0.00 | 37.19 1.19 0.00 | 36.84 1.25 0.00 | 36.08 1.22 0.00 | 34.21 1.19 0.00 | 39.43 1.31 -0.65 | 36.86 1.32 0.00 | 35.85 1.18 0.00 | 43.05 1.46 0.00 | 45.76 1.28 -7.93 | 49.68 1.73 0.00 | 59.66 1.57 -8.90 | 52.67 1.19 -15.37 | 42.59 1.21 -7.64 | 41.27 0.94 -10.89 |
| STATE_ST_34_KV_LOAD 55959 | 34.55 0.00 0.01 | 30.63 -0.06 0.01 | 28.03 -0.06 0.01 | 28.01 -0.08 0.01 | 28.13 -0.06 0.01 | 27.93 0.00 0.00 | 28.28 0.06 0.00 | 31.59 -0.10 0.00 | 33.04 -0.17 0.01 | 30.72 -0.29 1.18 | 33.37 -0.29 2.34 | 32.72 -0.46 2.41 | 28.49 -0.42 5.95 | 27.05 -0.33 5.64 | 32.62 -0.34 4.52 | 27.94 -0.36 7.25 | 35.03 -0.24 -0.61 | 42.98 -0.25 -1.63 | 37.01 -0.04 -0.50 | 49.47 -0.05 -1.56 | 52.59 0.05 -3.36 | 37.07 0.04 -0.93 | 34.08 0.00 -0.34 | 30.47 0.03 -1.00 |
| STATION 5_MISC_HYD 23604 | 32.78 -1.76 0.01 | 28.81 -1.87 0.01 | 26.59 -1.49 0.01 | 26.55 -1.55 0.01 | 26.77 -1.41 0.01 | 26.84 -1.09 0.00 | 27.32 -0.90 0.00 | 30.51 -1.17 0.01 | 31.34 -1.86 0.01 | 28.40 -2.22 1.57 | 28.91 -2.30 4.79 | 28.20 -2.46 4.93 | 24.59 -2.37 7.89 | 23.33 -2.21 7.48 | 25.66 -2.47 9.34 | 23.65 -2.28 9.62 | 20.69 -1.73 12.25 | 20.78 -2.08 18.74 | 34.46 -2.27 -0.17 | 36.13 -3.02 8.81 | 34.77 -3.05 11.36 | 34.29 -2.10 -0.28 | 31.88 -1.99 -0.13 | 28.31 -1.80 -0.67 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 33.61 -0.93 0.01 | 29.64 -1.04 0.01 | 27.12 -0.95 0.01 | 27.14 -0.96 0.01 | 27.31 -0.87 0.01 | 27.23 -0.70 0.00 | 27.66 -0.56 0.00 | 30.86 -0.82 0.00 | 32.10 -1.10 0.01 | 29.17 -1.48 1.53 | 30.31 -1.55 4.14 | 29.59 -1.74 4.26 | 25.47 -1.67 7.72 | 24.19 -1.52 7.31 | 27.70 -1.72 8.05 | 24.55 -1.60 9.40 | 20.73 -1.25 12.70 | 20.80 -1.46 19.34 | 35.36 -1.46 -0.27 | 31.30 -1.97 14.69 | 27.87 -1.92 19.39 | 35.29 -1.30 -0.48 | 32.57 -1.28 -0.11 | 29.17 -1.00 -0.73 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 33.02 -1.52 0.01 | 29.03 -1.66 0.01 | 26.59 -1.49 0.01 | 26.60 -1.49 0.01 | 26.80 -1.38 0.01 | 26.78 -1.15 0.00 | 27.26 -0.96 0.00 | 30.35 -1.33 0.00 | 31.47 -1.73 0.01 | 28.35 -2.29 1.55 | 29.19 -2.41 4.40 | 28.50 -2.56 4.53 | 24.62 -2.44 7.80 | 23.35 -2.28 7.39 | 26.31 -2.59 8.58 | 23.66 -2.38 9.50 | 23.84 -1.87 8.96 | 25.87 -2.20 13.51 | 34.47 -2.34 -0.26 | 34.75 -3.17 10.05 | 33.06 -3.20 12.93 | 34.34 -2.20 -0.44 | 31.73 -2.09 -0.08 | 28.50 -1.62 -0.68 |
| STA_56____34_KV_BUS2 355983 | 33.02 -1.52 0.01 | 29.03 -1.66 0.01 | 26.59 -1.49 0.01 | 26.60 -1.49 0.01 | 26.80 -1.38 0.01 | 26.78 -1.15 0.00 | 27.26 -0.96 0.00 | 30.35 -1.33 0.00 | 31.47 -1.73 0.01 | 28.35 -2.29 1.55 | 29.19 -2.41 4.40 | 28.50 -2.56 4.53 | 24.62 -2.44 7.80 | 23.35 -2.28 7.39 | 26.31 -2.59 8.58 | 23.66 -2.38 9.50 | 23.84 -1.87 8.96 | 25.87 -2.20 13.51 | 34.47 -2.34 -0.26 | 34.75 -3.17 10.05 | 33.06 -3.20 12.93 | 34.34 -2.20 -0.44 | 31.73 -2.09 -0.08 | 28.50 -1.62 -0.68 |
| STA_67____115KV_BK2 355882 | 33.09 -1.45 0.01 | 29.09 -1.60 0.01 | 26.65 -1.43 0.01 | 26.63 -1.46 0.01 | 26.86 -1.33 0.01 | 26.87 -1.06 0.00 | 27.35 -0.87 0.00 | 30.45 -1.24 0.00 | 31.54 -1.66 0.01 | 28.36 -2.25 1.58 | 29.08 -2.38 4.54 | 28.38 -2.53 4.68 | 24.48 -2.44 7.94 | 23.25 -2.25 7.52 | 26.07 -2.55 8.86 | 23.53 -2.35 9.67 | 24.58 -1.80 8.28 | 26.97 -2.16 12.46 | 34.50 -2.30 -0.25 | 35.60 -3.17 9.19 | 34.31 -3.15 11.73 | 34.37 -2.17 -0.43 | 31.76 -2.06 -0.07 | 28.55 -1.56 -0.67 |
| STA_7____115KV_9TRANS 80674 | 33.26 -1.28 0.01 | 29.21 -1.47 0.01 | 26.79 -1.29 0.01 | 26.77 -1.32 0.01 | 27.00 -1.18 0.01 | 27.01 -0.92 0.00 | 27.49 -0.73 0.00 | 30.61 -1.08 0.00 | 31.70 -1.49 0.01 | 28.55 -2.06 1.58 | 29.30 -2.16 4.54 | 28.60 -2.31 4.68 | 24.69 -2.23 7.94 | 23.45 -2.05 7.52 | 26.29 -2.32 8.86 | 23.78 -2.10 9.67 | 24.80 -1.59 8.28 | 27.27 -1.87 12.45 | 34.72 -2.08 -0.25 | 35.94 -2.83 9.19 | 34.66 -2.80 11.72 | 34.62 -1.91 -0.43 | 31.99 -1.82 -0.07 | 28.70 -1.41 -0.67 |
| STA_82____115KV_TB1 80780 | 33.09 -1.45 0.01 | 29.06 -1.63 0.01 | 26.65 -1.43 0.01 | 26.63 -1.46 0.01 | 26.83 -1.35 0.01 | 26.84 -1.09 0.00 | 27.32 -0.90 0.00 | 30.45 -1.24 0.00 | 31.50 -1.69 0.01 | 28.32 -2.29 1.58 | 29.03 -2.41 4.56 | 28.33 -2.56 4.70 | 24.42 -2.48 7.97 | 23.19 -2.28 7.55 | 25.99 -2.59 8.90 | 23.49 -2.35 9.71 | 24.50 -1.84 8.33 | 26.90 -2.16 12.53 | 34.46 -2.34 -0.25 | 35.55 -3.17 9.24 | 34.18 -3.20 11.80 | 34.33 -2.20 -0.42 | 31.76 -2.06 -0.07 | 28.52 -1.59 -0.67 |
| STEEL____WIND 323596 | 31.74 -2.80 0.02 | 28.13 -2.55 0.02 | 25.82 -2.25 0.02 | 25.75 -2.33 0.02 | 25.89 -2.28 0.02 | 25.69 -2.24 0.00 | 26.24 -1.98 0.00 | 29.27 -2.41 0.01 | 30.90 -2.29 0.02 | 26.85 -2.99 2.35 | 24.67 -3.10 8.24 | 23.78 -3.31 8.50 | 19.81 -3.21 11.84 | 18.83 -2.97 11.22 | 17.89 -3.45 16.13 | 18.02 -3.09 14.43 | 19.89 -2.91 11.87 | 20.12 -3.33 18.14 | 27.25 -3.33 5.98 | 35.20 -4.46 8.30 | 34.22 -4.57 10.39 | 32.86 -3.21 0.03 | 30.82 -2.90 0.02 | 27.55 -2.53 -0.65 |
| STEPHTWN_115KV_BK_2 55603 | 35.86 1.31 0.00 | 32.08 1.38 0.00 | 29.38 1.29 0.00 | 29.40 1.29 0.00 | 29.43 1.24 0.00 | 29.10 1.17 0.00 | 29.24 1.02 0.00 | 32.86 1.17 0.00 | 34.47 1.26 0.00 | 33.48 1.29 0.00 | 37.41 1.40 0.00 | 37.05 1.46 0.00 | 36.25 1.39 0.00 | 34.37 1.35 0.00 | 39.58 1.46 -0.64 | 37.04 1.49 0.00 | 36.02 1.35 0.00 | 43.30 1.71 0.00 | 45.92 1.50 -7.87 | 50.02 2.06 0.00 | 59.89 1.87 -8.83 | 52.73 1.37 -15.25 | 42.70 1.38 -7.57 | 41.36 1.12 -10.80 |
| STEBEN_REC_LFGE 323667 | 33.28 -1.24 0.03 | 29.50 -1.17 0.03 | 26.94 -1.12 0.03 | 26.89 -1.18 0.03 | 26.98 -1.18 0.03 | 26.81 -1.12 0.00 | 27.26 -0.96 0.00 | 30.31 -1.36 0.01 | 32.05 -1.13 0.03 | 26.62 -1.48 4.09 | 21.44 -1.51 13.05 | 20.24 -1.92 13.43 | 12.33 -1.92 20.61 | 11.62 -1.88 19.52 | 9.82 -2.14 25.52 | 8.56 -1.88 25.10 | 25.05 -1.73 7.89 | 28.47 -1.91 11.21 | 48.22 -1.54 -13.21 | 39.23 -1.77 6.95 | 39.42 -1.82 7.94 | 33.92 -1.37 0.81 | 31.69 -1.55 0.50 | 28.69 -1.41 -0.66 |
| STILLWATER____SOLAR 323814 | 36.42 1.86 0.00 | 32.38 1.69 0.00 | 29.60 1.52 0.00 | 29.68 1.57 0.00 | 29.71 1.52 0.00 | 29.41 1.48 0.00 | 29.69 1.47 0.00 | 33.27 1.58 0.00 | 34.87 1.66 0.00 | 33.76 1.58 0.00 | 37.73 1.73 0.00 | 37.34 1.74 0.00 | 36.57 1.71 0.00 | 34.67 1.65 0.00 | 39.97 1.84 -0.66 | 37.39 1.85 0.00 | 36.37 1.70 0.00 | 43.80 2.20 0.00 | 46.68 2.05 -8.09 | 50.64 2.68 0.00 | 60.91 2.65 -9.08 | 53.77 1.98 -15.67 | 43.32 1.82 -7.76 | 42.06 1.56 -11.07 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| STONY___BROOK 24151 | 38.05 3.49 -0.01 | 33.77 3.07 0.00 | 30.78 2.70 0.00 | 30.89 2.78 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.00 2.77 -0.01 | 34.90 3.20 -0.01 | 36.80 3.59 -0.01 | 36.31 3.57 -0.55 | 43.47 3.92 -3.54 | 43.05 3.85 -3.61 | 47.64 3.66 -9.12 | 49.96 3.43 -13.51 | 48.55 4.01 -7.06 | 48.53 3.98 -9.01 | 45.90 3.81 -7.41 | 50.72 4.58 -4.55 | 50.60 4.13 -9.92 | 54.80 5.32 -1.52 | 64.81 5.70 -9.92 | 53.92 3.83 -13.99 | 44.45 3.78 -6.93 | 42.38 3.38 -9.56 |
| STURGEON_POOL_HYD 23609 | 36.66 2.11 0.00 | 32.48 1.78 0.00 | 29.75 1.66 0.00 | 29.76 1.66 0.00 | 29.80 1.61 0.00 | 29.52 1.59 0.00 | 29.86 1.64 0.00 | 33.65 1.96 0.00 | 35.43 2.22 0.00 | 35.03 2.32 -0.52 | 38.38 2.38 0.00 | 37.98 2.38 0.00 | 39.75 2.27 -2.62 | 37.68 2.18 -2.48 | 40.45 2.40 -0.58 | 41.26 2.52 -3.19 | 38.42 2.29 -1.46 | 46.05 2.70 -1.75 | 46.24 2.38 -7.31 | 52.91 3.50 -1.45 | 62.76 3.69 -9.89 | 52.72 2.56 -14.05 | 43.04 2.29 -7.00 | 40.96 1.85 -9.67 |
| ST_LAW_115_BK7_LBMP 345037 | 33.89 -0.66 0.00 | 30.14 -0.55 0.00 | 27.53 -0.56 0.00 | 27.57 -0.53 0.00 | 27.71 -0.48 0.00 | 27.46 -0.47 0.00 | 27.80 -0.42 0.00 | 31.18 -0.51 0.00 | 32.68 -0.53 0.00 | 31.74 -0.45 0.00 | 35.46 -0.54 0.00 | 35.13 -0.46 0.00 | 34.37 -0.49 0.00 | 32.53 -0.49 0.00 | 36.87 -0.60 0.00 | 34.98 -0.57 0.00 | 34.15 -0.52 0.00 | 40.97 -0.62 0.00 | 36.00 -0.55 0.00 | 47.19 -0.77 0.00 | 48.40 -0.79 0.00 | 35.49 -0.61 0.00 | 33.14 -0.61 0.00 | 28.88 -0.56 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 33.89 -0.66 0.00 | 30.14 -0.55 0.00 | 27.53 -0.56 0.00 | 27.57 -0.53 0.00 | 27.71 -0.48 0.00 | 27.46 -0.47 0.00 | 27.80 -0.42 0.00 | 31.18 -0.51 0.00 | 32.68 -0.53 0.00 | 31.74 -0.45 0.00 | 35.46 -0.54 0.00 | 35.13 -0.46 0.00 | 34.37 -0.49 0.00 | 32.53 -0.49 0.00 | 36.87 -0.60 0.00 | 34.98 -0.57 0.00 | 34.15 -0.52 0.00 | 40.97 -0.62 0.00 | 36.00 -0.55 0.00 | 47.19 -0.77 0.00 | 48.40 -0.79 0.00 | 35.49 -0.61 0.00 | 33.14 -0.61 0.00 | 28.88 -0.56 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 33.96 -0.59 0.00 | 30.17 -0.52 0.00 | 27.58 -0.50 0.00 | 27.62 -0.48 0.00 | 27.74 -0.45 0.00 | 27.51 -0.42 0.00 | 27.83 -0.40 0.00 | 31.22 -0.47 0.00 | 32.74 -0.46 0.00 | 31.77 -0.42 0.00 | 35.53 -0.47 0.00 | 35.17 -0.43 0.00 | 34.41 -0.45 0.00 | 32.56 -0.46 0.00 | 36.95 -0.52 0.00 | 35.05 -0.50 0.00 | 34.19 -0.49 0.00 | 41.01 -0.58 0.00 | 36.04 -0.51 0.00 | 47.29 -0.67 0.00 | 48.45 -0.74 0.00 | 35.53 -0.58 0.00 | 33.17 -0.57 0.00 | 28.91 -0.53 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 33.96 -0.59 0.00 | 30.17 -0.52 0.00 | 27.58 -0.50 0.00 | 27.62 -0.48 0.00 | 27.74 -0.45 0.00 | 27.51 -0.42 0.00 | 27.83 -0.40 0.00 | 31.22 -0.47 0.00 | 32.74 -0.46 0.00 | 31.77 -0.42 0.00 | 35.53 -0.47 0.00 | 35.17 -0.43 0.00 | 34.41 -0.45 0.00 | 32.56 -0.46 0.00 | 36.95 -0.52 0.00 | 35.05 -0.50 0.00 | 34.19 -0.49 0.00 | 41.01 -0.58 0.00 | 36.04 -0.51 0.00 | 47.29 -0.67 0.00 | 48.45 -0.74 0.00 | 35.53 -0.58 0.00 | 33.17 -0.57 0.00 | 28.91 -0.53 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 36.35 1.80 0.00 | 32.20 1.50 0.00 | 29.49 1.40 0.00 | 29.51 1.41 0.00 | 29.52 1.33 0.00 | 29.27 1.34 0.00 | 29.60 1.38 0.00 | 33.40 1.71 0.00 | 35.17 1.96 0.00 | 34.84 2.06 -0.59 | 39.16 2.20 -0.97 | 38.86 2.28 -0.99 | 40.02 2.20 -2.96 | 37.94 2.11 -2.81 | 42.35 2.44 -2.44 | 41.57 2.42 -3.61 | 38.58 2.25 -1.65 | 46.46 2.66 -2.21 | 45.84 2.38 -6.92 | 52.91 3.31 -1.64 | 62.60 3.64 -9.78 | 52.11 2.53 -13.47 | 42.70 2.29 -6.66 | 40.52 1.85 -9.23 |
| SWANROAD_115KV_TB1 355699 | 31.08 -3.46 0.02 | 27.52 -3.16 0.02 | 25.21 -2.86 0.02 | 25.19 -2.89 0.02 | 25.39 -2.79 0.02 | 25.36 -2.57 0.00 | 25.79 -2.43 0.00 | 28.64 -3.04 0.01 | 29.81 -3.39 0.02 | 26.30 -3.80 2.09 | 25.23 -4.00 6.78 | 24.33 -4.16 7.10 | 20.24 -4.04 10.58 | 19.24 -3.73 10.04 | 19.74 -4.27 13.46 | 18.76 -3.87 12.91 | 23.23 -3.26 8.18 | 25.46 -3.83 12.31 | 28.16 -4.17 4.23 | 33.55 -5.75 8.66 | 32.55 -5.80 10.83 | 31.74 -4.59 -0.22 | 29.57 -4.15 0.02 | 26.76 -3.33 -0.65 |
| SYNERGY___BIOGAS 323694 | 32.50 -2.04 0.01 | 28.60 -2.09 0.01 | 26.19 -1.88 0.01 | 26.21 -1.88 0.01 | 26.43 -1.75 0.01 | 26.42 -1.51 0.00 | 26.92 -1.30 0.00 | 29.91 -1.77 0.01 | 31.07 -2.13 0.01 | 27.52 -2.77 1.90 | 27.15 -2.88 5.97 | 26.30 -3.10 6.20 | 22.28 -3.00 9.58 | 21.16 -2.77 9.09 | 22.54 -3.19 11.75 | 21.09 -2.77 11.69 | 24.18 -2.25 8.24 | 26.66 -2.54 12.40 | 30.88 -2.81 2.85 | 35.23 -3.84 8.89 | 34.14 -3.84 11.21 | 33.55 -2.85 -0.30 | 31.09 -2.67 -0.02 | 27.98 -2.12 -0.66 |
| SYRACUSE___ENERGY_ST1 323597 | 34.55 0.00 0.00 | 30.69 0.00 0.00 | 28.06 -0.03 0.00 | 28.04 -0.06 0.00 | 28.16 -0.03 0.00 | 27.93 0.00 0.00 | 28.22 0.00 0.00 | 31.53 -0.16 0.00 | 32.97 -0.23 0.00 | 31.08 -0.26 0.85 | 34.50 -0.25 1.25 | 33.95 -0.36 1.29 | 30.26 -0.31 4.29 | 28.70 -0.26 4.06 | 34.79 -0.30 2.39 | 29.97 -0.36 5.22 | 33.27 -0.31 1.09 | 40.10 -0.37 1.12 | 36.93 -0.11 -0.49 | 47.00 -0.19 0.77 | 49.01 -0.10 0.08 | 36.96 -0.07 -0.92 | 34.00 -0.07 -0.33 | 30.35 0.03 -0.88 |
| SYRACUSE___ENERGY_ST2 323598 | 34.55 0.00 0.00 | 30.69 0.00 0.00 | 28.06 -0.03 0.00 | 28.04 -0.06 0.00 | 28.16 -0.03 0.00 | 27.93 0.00 0.00 | 28.22 0.00 0.00 | 31.53 -0.16 0.00 | 32.97 -0.23 0.00 | 31.08 -0.26 0.85 | 34.50 -0.25 1.25 | 33.95 -0.36 1.29 | 30.26 -0.31 4.29 | 28.70 -0.26 4.06 | 34.79 -0.30 2.39 | 29.97 -0.36 5.22 | 33.27 -0.31 1.09 | 40.10 -0.37 1.12 | 36.93 -0.11 -0.49 | 47.00 -0.19 0.77 | 49.01 -0.10 0.08 | 36.96 -0.07 -0.92 | 34.00 -0.07 -0.33 | 30.35 0.03 -0.88 |
| SYRACUSE___POWER 24017 | 34.52 -0.03 0.00 | 30.63 -0.06 0.00 | 28.03 -0.06 0.00 | 28.02 -0.08 0.00 | 28.11 -0.08 0.00 | 27.87 -0.06 0.00 | 28.19 -0.03 0.00 | 31.47 -0.22 0.00 | 32.91 -0.30 0.00 | 31.09 -0.32 0.77 | 35.68 -0.32 0.00 | 35.17 -0.43 0.00 | 30.58 -0.38 3.89 | 29.00 -0.33 3.69 | 37.17 -0.37 -0.07 | 30.38 -0.43 4.74 | 32.93 -0.35 1.39 | 39.81 -0.42 1.37 | 36.97 -0.15 -0.56 | 46.52 -0.24 1.19 | 48.41 -0.15 0.63 | 37.07 -0.11 -1.07 | 34.05 -0.10 -0.40 | 30.46 -0.03 -1.05 |
| TALLMAN__138KV_BK151 55660 | 36.56 2.00 0.00 | 32.35 1.66 0.00 | 29.66 1.57 0.00 | 29.68 1.57 0.00 | 29.66 1.47 0.00 | 29.44 1.51 0.00 | 29.77 1.55 0.00 | 33.59 1.90 0.00 | 35.40 2.19 0.00 | 35.07 2.32 -0.57 | 38.52 2.52 0.00 | 38.19 2.60 0.00 | 40.23 2.51 -2.86 | 38.14 2.41 -2.71 | 40.80 2.77 -0.55 | 41.80 2.77 -3.48 | 38.83 2.57 -1.59 | 46.54 3.04 -1.91 | 46.20 2.63 -7.02 | 53.19 3.64 -1.59 | 63.08 4.08 -9.81 | 52.58 2.82 -13.65 | 42.99 2.50 -6.75 | 40.75 2.03 -9.28 |
| TEALLAVE_115KV_TB7 355573 | 34.34 -0.21 0.00 | 30.48 -0.21 0.00 | 27.89 -0.20 0.00 | 27.88 -0.22 0.00 | 28.00 -0.20 0.00 | 27.76 -0.17 0.00 | 28.05 -0.17 0.00 | 31.31 -0.38 0.00 | 32.74 -0.46 0.00 | 30.98 -0.52 0.69 | 35.50 -0.50 0.00 | 34.99 -0.61 0.00 | 30.82 -0.56 3.48 | 29.23 -0.50 3.30 | 36.98 -0.56 -0.06 | 30.70 -0.60 4.24 | 32.78 -0.52 1.37 | 39.50 -0.67 1.43 | 36.66 -0.37 -0.48 | 46.20 -0.53 1.23 | 47.93 -0.44 0.82 | 36.72 -0.29 -0.90 | 33.76 -0.30 -0.32 | 30.14 -0.18 -0.88 |
| TELGRAPH_34_KV_EAST 80808 | 31.91 -2.63 0.01 | 28.13 -2.55 0.01 | 25.80 -2.28 0.01 | 25.76 -2.33 0.01 | 25.98 -2.20 0.01 | 25.97 -1.96 0.00 | 26.44 -1.78 0.00 | 29.40 -2.28 0.01 | 30.57 -2.62 0.01 | 27.00 -3.22 1.97 | 26.35 -3.35 6.31 | 25.47 -3.56 6.56 | 21.43 -3.45 9.98 | 20.39 -3.17 9.46 | 21.40 -3.64 12.44 | 20.11 -3.27 12.17 | 23.76 -2.70 8.21 | 26.12 -3.12 12.35 | 29.63 -3.44 3.49 | 34.46 -4.70 8.79 | 33.41 -4.72 11.05 | 32.77 -3.61 -0.27 | 30.47 -3.27 0.00 | 27.48 -2.62 -0.66 |

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| TEMPLE___115KV_TB 2 55572 | 34.38 -0.17 0.00 | 30.51 -0.18 0.00 | 27.92 -0.17 0.00 | 27.91 -0.20 0.00 | 28.02 -0.17 0.00 | 27.79 -0.14 0.00 | 28.08 -0.14 0.00 | 31.34 -0.35 0.00 | 32.78 -0.43 0.00 | 31.01 -0.48 0.69 | 35.54 -0.47 0.00 | 35.02 -0.57 0.00 | 30.84 -0.52 3.50 | 29.25 -0.46 3.31 | 37.01 -0.52 -0.06 | 30.72 -0.57 4.26 | 32.20 -0.52 1.95 | 38.63 -0.62 2.33 | 36.70 -0.33 -0.48 | 45.54 -0.48 1.94 | 46.99 -0.39 1.80 | 36.74 -0.29 -0.92 | 33.80 -0.27 -0.33 | 30.18 -0.15 -0.89 |
| TIANA___69_KV_BK 1 55817 | 38.26 3.70 -0.01 | 33.86 3.16 0.00 | 30.95 2.86 0.00 | 31.12 3.01 -0.01 | 31.08 2.88 -0.01 | 30.83 2.90 0.00 | 31.25 3.02 -0.01 | 35.18 3.49 -0.01 | 37.00 3.79 -0.01 | 36.53 3.80 -0.55 | 43.68 4.14 -3.53 | 43.22 4.02 -3.60 | 47.89 3.90 -9.12 | 50.18 3.67 -13.50 | 48.75 4.23 -7.04 | 48.71 4.16 -9.01 | 45.98 3.92 -7.39 | 50.70 4.58 -4.54 | 50.54 4.13 -9.86 | 54.80 5.32 -1.52 | 64.76 5.71 -9.87 | 53.80 3.79 -13.91 | 44.32 3.64 -6.93 | 42.11 3.12 -9.56 |
| TILDEN___115KV_TB1 80814 | 34.52 -0.03 0.00 | 30.63 -0.06 0.00 | 28.03 -0.06 0.00 | 28.02 -0.08 0.00 | 28.11 -0.08 0.00 | 27.87 -0.06 0.00 | 28.19 -0.03 0.00 | 31.47 -0.22 0.00 | 32.91 -0.30 0.00 | 31.09 -0.32 0.77 | 35.68 -0.32 0.00 | 35.17 -0.43 0.00 | 30.58 -0.38 3.89 | 29.00 -0.33 3.69 | 37.17 -0.37 -0.07 | 30.38 -0.43 4.74 | 32.93 -0.35 1.39 | 39.81 -0.42 1.37 | 36.97 -0.15 -0.56 | 46.52 -0.24 1.19 | 48.41 -0.15 0.63 | 37.07 -0.11 -1.07 | 34.05 -0.10 -0.40 | 30.46 -0.03 -1.05 |
| TRIGEN___CC 323695 | 37.16 2.59 -0.02 | 32.94 2.24 0.00 | 30.14 2.05 0.00 | 30.17 2.05 -0.02 | 30.18 1.97 -0.02 | 29.94 2.01 0.00 | 30.35 2.12 -0.02 | 34.21 2.50 -0.02 | 36.01 2.79 -0.02 | 35.57 2.83 -0.55 | 45.18 3.06 -6.12 | 44.92 3.10 -6.23 | 51.66 3.00 -13.80 | 57.30 2.81 -21.47 | 52.55 3.30 -11.77 | 51.99 3.27 -13.17 | 49.41 3.05 -11.69 | 51.74 3.62 -6.52 | 51.64 3.25 -11.83 | 53.75 4.27 -1.52 | 63.98 4.92 -9.88 | 53.34 3.32 -13.91 | 43.85 3.17 -6.94 | 41.65 2.65 -9.56 |
| TRINITY___115KV___ 4 BK 55933 | 35.59 1.04 0.00 | 31.80 1.11 0.00 | 29.16 1.07 0.00 | 29.17 1.07 0.00 | 29.21 1.01 0.00 | 28.88 0.95 0.00 | 29.01 0.79 0.00 | 32.61 0.92 0.00 | 34.20 1.00 0.00 | 33.22 1.03 0.00 | 37.12 1.12 0.00 | 36.77 1.17 0.00 | 36.01 1.15 0.00 | 34.11 1.09 0.00 | 39.35 1.24 -0.64 | 36.79 1.24 0.00 | 35.78 1.11 0.00 | 42.97 1.37 0.00 | 45.60 1.17 -7.88 | 49.59 1.63 0.00 | 59.46 1.43 -8.85 | 52.46 1.08 -15.27 | 42.47 1.15 -7.58 | 41.14 0.88 -10.82 |
| UNION___PROCESSING_DRP 323587 | 33.09 -1.45 0.01 | 29.06 -1.63 0.01 | 26.65 -1.43 0.01 | 26.63 -1.46 0.01 | 26.86 -1.33 0.01 | 26.84 -1.09 0.00 | 27.32 -0.90 0.00 | 30.45 -1.24 0.00 | 31.50 -1.69 0.01 | 28.32 -2.29 1.58 | 29.06 -2.38 4.56 | 28.33 -2.56 4.70 | 24.45 -2.44 7.97 | 23.19 -2.28 7.55 | 25.99 -2.59 8.90 | 23.49 -2.35 9.71 | 24.51 -1.80 8.36 | 26.86 -2.16 12.57 | 34.46 -2.34 -0.25 | 35.52 -3.17 9.28 | 34.19 -3.15 11.85 | 34.37 -2.17 -0.43 | 31.76 -2.06 -0.07 | 28.52 -1.59 -0.67 |
| UPPER HUDSON___HYD 24058 | 36.56 2.00 0.00 | 32.51 1.81 0.00 | 29.69 1.60 0.00 | 29.82 1.71 0.00 | 29.86 1.66 0.00 | 29.55 1.62 0.00 | 29.86 1.64 0.00 | 33.34 1.65 0.00 | 34.93 1.73 0.00 | 33.83 1.64 0.00 | 37.84 1.84 0.00 | 37.41 1.81 0.00 | 36.60 1.74 0.00 | 34.70 1.68 0.00 | 39.97 1.84 -0.66 | 37.36 1.81 0.00 | 36.33 1.66 0.00 | 43.84 2.24 0.00 | 46.82 2.16 -8.12 | 50.79 2.83 0.00 | 61.10 2.80 -9.11 | 53.89 2.06 -15.73 | 43.35 1.82 -7.79 | 42.10 1.56 -11.11 |
| UPPER RAQUET___HYD 24056 | 32.79 -1.76 0.00 | 29.16 -1.53 0.00 | 26.57 -1.52 0.00 | 26.61 -1.49 0.00 | 26.78 -1.41 0.00 | 26.51 -1.42 0.00 | 26.84 -1.38 0.00 | 30.04 -1.65 0.00 | 31.48 -1.73 0.00 | 30.51 -1.68 0.00 | 34.13 -1.87 0.00 | 33.78 -1.81 0.00 | 33.01 -1.85 0.00 | 31.24 -1.78 0.00 | 35.43 -2.06 -0.01 | 33.66 -1.88 0.00 | 32.94 -1.73 0.00 | 39.56 -2.04 0.00 | 34.96 -1.72 -0.13 | 45.80 -2.16 0.00 | 47.16 -2.16 -0.14 | 34.69 -1.66 -0.24 | 32.31 -1.55 -0.12 | 28.17 -1.44 -0.17 |
| VALLEY44___115KV_TB2 355964 | 31.97 -2.56 0.02 | 28.77 -1.90 0.02 | 26.18 -1.88 0.02 | 26.28 -1.80 0.02 | 26.20 -1.97 0.02 | 25.75 -2.18 0.00 | 26.33 -1.89 0.00 | 29.30 -2.38 0.01 | 32.06 -1.13 0.02 | 27.88 -1.61 2.70 | 25.01 -1.58 9.41 | 24.04 -1.85 9.70 | 19.51 -1.74 13.60 | 18.51 -1.62 12.89 | 17.18 -1.87 18.42 | 17.34 -1.64 16.57 | 24.00 -2.25 8.41 | 26.42 -2.50 12.68 | 32.36 -1.75 2.44 | 37.16 -2.21 8.59 | 36.38 -2.26 10.54 | 34.59 -1.52 0.01 | 32.24 -1.38 0.12 | 28.46 -1.62 -0.65 |
| VALLEY___115KV_TB 1-4 80826 | 34.97 0.41 0.00 | 31.06 0.37 0.00 | 28.42 0.34 0.00 | 28.41 0.31 0.00 | 28.47 0.28 0.00 | 28.10 0.17 0.00 | 28.28 0.06 0.00 | 31.79 0.10 0.00 | 33.37 0.17 0.00 | 32.38 0.19 0.00 | 36.29 0.29 0.00 | 35.81 0.21 0.00 | 35.10 0.24 0.00 | 33.25 0.23 0.00 | 37.71 0.22 -0.01 | 35.79 0.25 0.00 | 34.84 0.17 0.00 | 41.80 0.21 0.00 | 36.72 0.07 -0.10 | 48.01 0.05 0.00 | 49.24 -0.05 -0.11 | 36.19 -0.11 -0.19 | 33.78 0.03 0.00 | 29.47 0.03 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 36.36 1.80 -0.01 | 32.30 1.60 -0.01 | 29.61 1.52 -0.01 | 29.57 1.46 -0.01 | 29.69 1.49 -0.01 | 29.30 1.37 0.00 | 30.56 2.34 0.00 | 34.36 2.66 0.00 | 36.00 2.79 -0.01 | 36.57 2.32 -2.06 | 41.81 2.81 -3.00 | 40.82 2.14 -3.09 | 47.66 2.41 -10.39 | 45.01 2.15 -9.84 | 45.76 2.25 -6.04 | 50.73 2.52 -12.66 | 43.57 2.36 -6.54 | 53.29 2.87 -8.83 | 41.10 1.94 -2.61 | 56.36 2.64 -5.76 | 61.83 2.75 -9.89 | 43.24 2.02 -5.11 | 39.67 1.99 -3.93 | 35.73 1.68 -4.61 |
| VISCHER___FERRY HYD 24020 | 36.18 1.62 0.00 | 32.14 1.44 0.00 | 29.41 1.32 0.00 | 29.42 1.32 0.00 | 29.49 1.30 0.00 | 29.19 1.26 0.00 | 29.43 1.21 0.00 | 33.05 1.36 0.00 | 34.70 1.50 0.00 | 33.60 1.41 0.00 | 37.55 1.55 0.00 | 37.20 1.60 0.00 | 36.43 1.57 0.00 | 34.54 1.52 0.00 | 39.81 1.69 -0.65 | 37.22 1.67 0.00 | 36.23 1.56 0.00 | 43.55 1.96 0.00 | 46.30 1.75 -8.00 | 50.31 2.35 0.00 | 60.32 2.16 -8.98 | 53.31 1.70 -15.50 | 43.04 1.62 -7.67 | 41.74 1.35 -10.95 |
| V_A_10_SYNC_DSASP 323832 | 32.05 -2.49 0.01 | 28.14 -2.55 0.01 | 25.83 -2.25 0.01 | 25.79 -2.30 0.01 | 26.01 -2.17 0.01 | 26.09 -1.84 0.00 | 26.61 -1.61 0.00 | 29.59 -2.09 0.01 | 30.57 -2.62 0.01 | 26.98 -3.38 1.83 | 26.70 -3.60 5.70 | 26.00 -3.74 5.85 | 22.04 -3.63 9.20 | 20.94 -3.37 8.71 | 22.56 -3.82 11.09 | 20.83 -3.52 11.20 | 23.91 -2.84 7.92 | 26.28 -3.41 11.90 | 30.08 -3.69 2.78 | 34.30 -5.08 8.57 | 33.27 -5.12 10.80 | 32.78 -3.65 -0.32 | 30.43 -3.34 -0.03 | 27.53 -2.56 -0.65 |
| V_CMM_10_SYNC_DSASP 323787 | 34.07 -0.48 0.00 | 30.27 -0.43 0.00 | 27.64 -0.45 0.00 | 27.71 -0.39 0.00 | 27.85 -0.34 0.00 | 27.62 -0.31 0.00 | 27.91 -0.31 0.00 | 31.31 -0.38 0.00 | 32.84 -0.37 0.00 | 31.87 -0.32 0.00 | 35.64 -0.36 0.00 | 35.27 -0.32 0.00 | 34.51 -0.35 0.00 | 32.69 -0.33 0.00 | 37.06 -0.41 0.00 | 35.15 -0.39 0.00 | 34.32 -0.35 0.00 | 41.18 -0.42 0.00 | 36.15 -0.40 0.00 | 47.43 -0.53 0.00 | 48.64 -0.54 0.00 | 35.64 -0.47 0.00 | 33.27 -0.47 0.00 | 29.00 -0.44 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 34.21 -0.35 0.00 | 30.42 -0.28 0.00 | 27.78 -0.31 0.00 | 27.85 -0.25 0.00 | 28.05 -0.14 0.00 | 27.85 -0.08 0.00 | 28.16 -0.06 0.00 | 31.60 -0.10 0.00 | 33.17 -0.03 0.00 | 32.22 0.03 0.00 | 36.00 0.00 0.00 | 35.63 0.04 0.00 | 34.86 0.00 0.00 | 32.95 -0.07 0.00 | 37.36 -0.11 0.00 | 35.44 -0.11 0.00 | 34.60 -0.07 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.86 -0.10 0.00 | 49.04 -0.15 0.00 | 35.85 -0.25 0.00 | 33.40 -0.34 0.00 | 29.08 -0.35 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|
| V_D_10_SYNC_DSASP 323841 | 34.03 -0.52 0.00 | 30.27 -0.43 0.00 | 27.61 -0.48 0.00 | 27.65 -0.45 0.00 | 27.83 -0.37 0.00 | 27.59 -0.34 0.00 | 27.88 -0.34 0.00 | 31.28 -0.41 0.00 | 32.78 -0.43 0.00 | 31.83 -0.35 0.00 | 35.57 -0.43 0.00 | 35.24 -0.36 0.00 | 34.44 -0.42 0.00 | 32.59 -0.43 0.00 | 36.99 -0.49 0.00 | 35.08 -0.46 0.00 | 34.29 -0.38 0.00 | 41.14 -0.46 0.00 | 36.11 -0.44 0.00 | 47.43 -0.53 0.00 | 48.64 -0.54 0.00 | 35.64 -0.47 0.00 | 33.27 -0.47 0.00 | 29.00 -0.44 0.00 |
| V_E_10_SYNC_DSASP 323830 | 36.66 2.11 0.00 | 32.51 1.81 0.00 | 29.78 1.69 0.00 | 29.71 1.60 0.00 | 29.86 1.66 0.00 | 29.44 1.51 0.00 | 30.06 1.83 0.00 | 33.66 1.96 0.00 | 35.14 1.93 0.00 | 34.41 1.42 -0.80 | 39.71 1.66 -2.05 | 38.74 1.03 -2.11 | 40.13 1.22 -4.05 | 37.98 1.12 -3.83 | 42.93 1.24 -4.21 | 42.04 1.56 -4.93 | 39.67 1.53 -3.47 | 48.70 2.00 -5.11 | 42.02 1.79 -3.68 | 54.25 2.54 -3.75 | 59.56 2.66 -7.72 | 43.03 1.88 -5.05 | 38.05 1.82 -2.49 | 34.27 1.59 -3.24 |
| V_F_30_NSYNC___DSASP 323816 | 36.38 1.83 0.00 | 32.38 1.69 0.00 | 29.60 1.52 0.00 | 29.68 1.57 0.00 | 29.72 1.52 0.00 | 29.41 1.48 0.00 | 29.72 1.50 0.00 | 33.31 1.62 0.00 | 34.87 1.66 0.00 | 33.80 1.61 0.00 | 37.80 1.80 0.00 | 37.41 1.82 0.00 | 36.64 1.78 0.00 | 34.70 1.68 0.00 | 40.04 1.91 -0.66 | 37.39 1.85 0.00 | 36.40 1.73 0.00 | 43.84 2.25 0.00 | 46.66 2.05 -8.06 | 50.69 2.73 0.00 | 60.88 2.66 -9.04 | 53.71 1.99 -15.62 | 43.34 1.82 -7.77 | 42.02 1.50 -11.08 |
| V_F_30_SYNC_DSASP 323786 | 35.66 1.11 0.00 | 31.89 1.20 0.00 | 29.21 1.12 0.00 | 29.25 1.15 0.00 | 29.26 1.07 0.00 | 28.96 1.03 0.00 | 29.07 0.85 0.00 | 32.67 0.98 0.00 | 34.27 1.06 0.00 | 33.28 1.09 0.00 | 37.19 1.19 0.00 | 36.84 1.25 0.00 | 36.08 1.22 0.00 | 34.21 1.19 0.00 | 39.43 1.31 -0.65 | 36.86 1.32 0.00 | 35.85 1.18 0.00 | 43.05 1.46 0.00 | 45.76 1.28 -7.93 | 49.68 1.73 0.00 | 59.60 1.52 -8.90 | 52.62 1.16 -15.36 | 42.59 1.21 -7.63 | 41.26 0.94 -10.89 |
| V_XM_10_SYNC_DSASP 323789 | 34.21 -0.35 0.00 | 30.42 -0.28 0.00 | 27.78 -0.31 0.00 | 27.85 -0.25 0.00 | 28.05 -0.14 0.00 | 27.85 -0.08 0.00 | 28.16 -0.06 0.00 | 31.60 -0.10 0.00 | 33.17 -0.03 0.00 | 32.22 0.03 0.00 | 36.00 0.00 0.00 | 35.63 0.04 0.00 | 34.86 0.00 0.00 | 32.95 -0.07 0.00 | 37.36 -0.11 0.00 | 35.44 -0.11 0.00 | 34.60 -0.07 0.00 | 41.55 -0.04 0.00 | 36.48 -0.07 0.00 | 47.86 -0.10 0.00 | 49.04 -0.15 0.00 | 35.85 -0.25 0.00 | 33.40 -0.34 0.00 | 29.08 -0.35 0.00 |
| W.BABYLN_69_KV_BK1 56697 | 37.84 3.28 -0.01 | 33.49 2.79 0.00 | 30.59 2.50 0.00 | 30.67 2.56 -0.01 | 30.68 2.48 -0.01 | 30.42 2.49 0.00 | 30.83 2.60 -0.01 | 34.74 3.04 -0.01 | 36.57 3.35 -0.01 | 36.15 3.41 -0.55 | 43.60 3.74 -3.85 | 43.26 3.74 -3.92 | 48.15 3.59 -9.70 | 50.87 3.37 -14.48 | 49.04 3.93 -7.63 | 48.98 3.91 -9.52 | 46.30 3.71 -7.92 | 50.82 4.45 -4.78 | 50.64 3.98 -10.10 | 54.61 5.13 -1.52 | 64.76 5.71 -9.87 | 53.84 3.83 -13.91 | 44.42 3.75 -6.93 | 42.14 3.15 -9.56 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 36.66 2.11 0.00 | 32.45 1.75 0.00 | 29.75 1.66 0.00 | 29.73 1.63 0.00 | 29.74 1.55 0.00 | 29.52 1.59 0.00 | 29.86 1.64 0.00 | 33.69 2.00 0.00 | 35.47 2.26 0.00 | 35.13 2.38 -0.56 | 38.60 2.59 0.00 | 38.26 2.67 0.00 | 40.27 2.58 -2.83 | 38.18 2.48 -2.68 | 40.92 2.89 -0.55 | 41.84 2.84 -3.45 | 38.88 2.63 -1.58 | 46.60 3.12 -1.89 | 46.38 2.78 -7.05 | 53.32 3.79 -1.57 | 63.24 4.23 -9.82 | 52.77 2.96 -13.70 | 43.15 2.63 -6.78 | 40.88 2.12 -9.32 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 36.83 2.28 0.00 | 32.54 1.84 0.00 | 29.80 1.71 0.00 | 29.82 1.71 0.00 | 29.80 1.61 0.00 | 29.61 1.68 0.00 | 29.94 1.72 0.00 | 33.81 2.12 0.00 | 35.63 2.42 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.44 2.86 -2.72 | 38.30 3.37 -2.57 | 41.19 3.15 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.52 | 46.86 3.45 -1.81 | 46.82 3.11 -7.16 | 53.64 4.17 -1.51 | 63.97 4.92 -9.86 | 53.44 3.43 -13.91 | 43.64 2.97 -6.92 | 41.43 2.44 -9.55 |
| W50THST__13_KV_LOAD 356117 | 37.01 2.45 0.00 | 32.69 2.00 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 29.94 1.75 0.00 | 29.75 1.82 0.00 | 30.08 1.86 0.00 | 34.00 2.31 0.00 | 35.83 2.62 0.00 | 35.50 2.77 -0.54 | 39.10 3.10 0.00 | 38.80 3.20 0.00 | 40.68 3.10 -2.72 | 38.53 2.94 -2.57 | 41.45 3.41 -0.56 | 42.23 3.38 -3.31 | 39.27 3.09 -1.52 | 47.15 3.74 -1.81 | 47.07 3.36 -7.16 | 53.92 4.46 -1.51 | 64.26 5.21 -9.86 | 53.66 3.65 -13.91 | 43.80 3.14 -6.92 | 41.57 2.59 -9.55 |
| WADING RIVER_IC_1 23522 | 38.05 3.49 -0.01 | 33.77 3.07 0.00 | 30.78 2.70 0.00 | 30.92 2.81 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.02 2.79 -0.01 | 34.90 3.20 -0.01 | 36.80 3.59 -0.01 | 36.27 3.54 -0.55 | 43.39 3.85 -3.53 | 42.96 3.77 -3.60 | 47.59 3.63 -9.11 | 49.90 3.40 -13.48 | 48.48 3.97 -7.04 | 48.44 3.91 -8.99 | 45.78 3.71 -7.40 | 50.59 4.45 -4.54 | 50.48 4.02 -9.91 | 54.66 5.18 -1.52 | 64.66 5.56 -9.92 | 53.78 3.68 -13.99 | 44.29 3.61 -6.93 | 42.26 3.27 -9.56 |
| WADING RIVER_IC_2 23547 | 38.05 3.49 -0.01 | 33.77 3.07 0.00 | 30.78 2.70 0.00 | 30.92 2.81 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.02 2.79 -0.01 | 34.90 3.20 -0.01 | 36.80 3.59 -0.01 | 36.27 3.54 -0.55 | 43.39 3.85 -3.53 | 42.96 3.77 -3.60 | 47.59 3.63 -9.11 | 49.90 3.40 -13.48 | 48.48 3.97 -7.04 | 48.44 3.91 -8.99 | 45.78 3.71 -7.40 | 50.59 4.45 -4.54 | 50.48 4.02 -9.91 | 54.66 5.18 -1.52 | 64.66 5.56 -9.92 | 53.78 3.68 -13.99 | 44.29 3.61 -6.93 | 42.26 3.27 -9.56 |
| WADING RIVER_IC_3 23601 | 38.05 3.49 -0.01 | 33.77 3.07 0.00 | 30.78 2.70 0.00 | 30.92 2.81 -0.01 | 30.88 2.68 -0.01 | 30.67 2.74 0.00 | 31.02 2.79 -0.01 | 34.90 3.20 -0.01 | 36.80 3.59 -0.01 | 36.27 3.54 -0.55 | 43.39 3.85 -3.53 | 42.96 3.77 -3.60 | 47.59 3.63 -9.11 | 49.90 3.40 -13.48 | 48.48 3.97 -7.04 | 48.44 3.91 -8.99 | 45.78 3.71 -7.40 | 50.59 4.45 -4.54 | 50.48 4.02 -9.91 | 54.66 5.18 -1.52 | 64.66 5.56 -9.92 | 53.78 3.68 -13.99 | 44.29 3.61 -6.93 | 42.26 3.27 -9.56 |
| WALDENNY_12_KV_BK2 80841 | 31.80 -2.73 0.02 | 28.16 -2.52 0.02 | 25.77 -2.30 0.02 | 25.75 -2.33 0.02 | 25.89 -2.28 0.02 | 25.78 -2.15 0.00 | 26.30 -1.92 0.00 | 29.24 -2.44 0.01 | 30.93 -2.26 0.02 | 26.79 -3.06 2.34 | 24.98 -3.17 7.86 | 24.05 -3.42 8.12 | 19.77 -3.28 11.81 | 18.79 -3.04 11.19 | 18.58 -3.49 15.41 | 17.99 -3.16 14.39 | 23.49 -2.91 8.27 | 25.83 -3.33 12.44 | 27.46 -3.36 5.73 | 34.72 -4.60 8.63 | 33.80 -4.67 10.72 | 32.87 -3.36 -0.12 | 30.68 -3.00 0.06 | 27.56 -2.53 -0.65 |
| WALDEN___HYDRO 24148 | 36.87 2.31 0.00 | 32.69 2.00 0.00 | 29.94 1.85 0.00 | 29.96 1.85 0.00 | 30.00 1.80 0.00 | 29.72 1.79 0.00 | 30.03 1.81 0.00 | 33.88 2.19 0.00 | 35.67 2.46 0.00 | 35.26 2.54 -0.53 | 38.60 2.59 0.00 | 38.16 2.56 0.00 | 39.96 2.44 -2.66 | 37.88 2.34 -2.52 | 40.75 2.70 -0.57 | 41.52 2.74 -3.24 | 38.47 2.32 -1.48 | 46.11 2.75 -1.77 | 46.32 2.52 -7.25 | 52.93 3.50 -1.47 | 62.76 3.89 -9.69 | 52.45 2.67 -13.67 | 42.95 2.43 -6.78 | 40.76 1.97 -9.35 |
| WARRENSBURG____ 23737 | 36.52 1.97 0.00 | 32.48 1.78 0.00 | 29.69 1.60 0.00 | 29.79 1.69 0.00 | 29.83 1.64 0.00 | 29.52 1.59 0.00 | 29.83 1.61 0.00 | 33.34 1.65 0.00 | 34.90 1.69 0.00 | 33.83 1.64 0.00 | 37.84 1.84 0.00 | 37.41 1.82 0.00 | 36.60 1.74 0.00 | 34.67 1.65 0.00 | 39.97 1.84 -0.66 | 37.36 1.81 0.00 | 36.33 1.66 0.00 | 43.84 2.25 0.00 | 46.78 2.16 -8.08 | 50.79 2.83 0.00 | 61.05 2.80 -9.06 | 53.81 2.06 -15.65 | 43.35 1.82 -7.79 | 42.04 1.50 -11.11 |

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| WATERSIDE___6 8 9 23538 | 36.80 2.25 0.00 | 32.54 1.84 0.00 | 29.83 1.74 0.00 | 29.82 1.71 0.00 | 29.83 1.64 0.00 | 29.58 1.65 0.00 | 29.89 1.67 0.00 | 33.72 2.03 0.00 | 35.50 2.29 0.00 | 35.17 2.45 -0.54 | 38.70 2.70 0.00 | 38.41 2.81 0.00 | 40.26 2.68 -2.72 | 38.17 2.58 -2.57 | 41.00 2.96 -0.56 | 41.81 2.95 -3.31 | 38.92 2.74 -1.51 | 46.69 3.29 -1.81 | 46.67 2.96 -7.16 | 53.40 3.93 -1.51 | 63.77 4.72 -9.87 | 53.30 3.29 -13.90 | 43.50 2.83 -6.92 | 41.34 2.36 -9.55 |
| WATKINRD_115KV_LN8_ILLION 55919 | 35.00 0.45 0.00 | 31.10 0.40 0.00 | 28.45 0.37 0.00 | 28.41 0.31 0.00 | 28.47 0.28 0.00 | 28.07 0.14 0.00 | 28.19 -0.03 0.00 | 31.69 0.00 0.00 | 33.27 0.07 0.00 | 32.28 0.10 0.00 | 36.22 0.22 0.00 | 35.74 0.14 0.00 | 35.03 0.17 0.00 | 33.15 0.13 0.00 | 37.60 0.11 -0.01 | 35.65 0.11 0.00 | 34.74 0.07 0.00 | 41.68 0.08 0.00 | 36.61 -0.04 -0.10 | 47.81 -0.14 0.00 | 49.00 -0.30 -0.11 | 36.04 -0.25 -0.19 | 33.67 -0.07 0.00 | 29.38 -0.06 0.00 |
| WDELAWARE___HYD 323627 | 36.83 2.28 0.00 | 32.72 2.03 0.00 | 29.94 1.85 0.00 | 29.99 1.88 0.00 | 30.00 1.81 0.00 | 29.74 1.81 0.00 | 30.08 1.86 0.00 | 33.88 2.18 0.00 | 35.73 2.52 0.00 | 35.35 2.51 -0.65 | 39.65 2.52 -1.12 | 39.20 2.45 -1.16 | 40.45 2.34 -3.25 | 38.37 2.28 -3.08 | 42.80 2.58 -2.74 | 42.13 2.63 -3.96 | 38.90 2.36 -1.87 | 46.89 2.79 -2.51 | 46.10 2.67 -6.88 | 53.40 3.74 -1.70 | 63.04 4.08 -9.77 | 52.31 2.85 -13.35 | 42.98 2.63 -6.61 | 40.81 2.24 -9.14 |
| WEST BABYLON___IC 23714 | 37.84 3.28 -0.01 | 33.49 2.79 0.00 | 30.59 2.50 0.00 | 30.67 2.56 -0.01 | 30.68 2.48 -0.01 | 30.42 2.49 0.00 | 30.83 2.60 -0.01 | 34.74 3.04 -0.01 | 36.57 3.35 -0.01 | 36.15 3.41 -0.55 | 43.60 3.74 -3.85 | 43.26 3.74 -3.92 | 48.15 3.59 -9.70 | 50.87 3.37 -14.48 | 49.04 3.93 -7.63 | 48.98 3.91 -9.52 | 46.30 3.71 -7.92 | 50.82 4.45 -4.78 | 50.64 3.98 -10.10 | 54.61 5.13 -1.52 | 64.76 5.71 -9.87 | 53.84 3.83 -13.91 | 44.42 3.75 -6.93 | 42.14 3.15 -9.56 |
| WEST CANADA___HYD 24049 | 34.76 0.21 0.00 | 30.88 0.19 0.00 | 28.26 0.17 0.00 | 28.27 0.17 0.00 | 28.36 0.17 0.00 | 28.07 0.14 0.00 | 28.36 0.14 0.00 | 31.91 0.22 0.00 | 33.44 0.23 0.00 | 32.41 0.23 0.00 | 36.26 0.25 0.00 | 35.84 0.25 0.00 | 35.11 0.25 0.00 | 33.25 0.23 0.00 | 37.75 0.26 -0.01 | 35.80 0.25 0.00 | 34.91 0.24 0.00 | 41.89 0.29 0.00 | 36.73 0.18 0.00 | 48.20 0.24 0.00 | 49.43 0.25 0.00 | 36.29 0.18 0.00 | 33.95 0.20 0.00 | 29.62 0.18 0.00 |
| WESTERN_NY_WIND 24143 | 32.43 -2.11 0.01 | 28.53 -2.15 0.01 | 26.16 -1.91 0.01 | 26.15 -1.94 0.01 | 26.37 -1.80 0.01 | 26.37 -1.56 0.00 | 26.86 -1.35 0.00 | 29.84 -1.84 0.01 | 31.04 -2.16 0.01 | 27.46 -2.80 1.93 | 26.95 -2.95 6.10 | 26.08 -3.17 6.34 | 22.05 -3.07 9.74 | 20.95 -2.84 9.23 | 22.20 -3.26 12.02 | 20.83 -2.84 11.87 | 24.16 -2.29 8.23 | 26.59 -2.62 12.38 | 30.56 -2.89 3.10 | 35.17 -3.93 8.85 | 34.10 -3.93 11.15 | 33.43 -2.96 -0.29 | 31.02 -2.73 -0.01 | 27.92 -2.18 -0.66 |
| WESTOVER___LESR 323668 | 34.95 0.38 -0.02 | 31.09 0.37 -0.02 | 28.45 0.34 -0.02 | 28.43 0.31 -0.02 | 28.50 0.28 -0.02 | 28.24 0.31 0.00 | 28.59 0.37 0.00 | 32.02 0.32 -0.01 | 33.63 0.40 -0.02 | 36.69 0.32 -4.19 | 46.00 0.40 -9.60 | 45.76 0.28 -9.88 | 56.22 0.28 -21.08 | 53.28 0.30 -19.96 | 56.86 0.34 -19.05 | 61.57 0.36 -25.67 | 47.68 0.35 -12.66 | 59.81 0.42 -17.80 | 41.21 0.51 -4.14 | 61.48 0.72 -12.80 | 70.30 0.79 -20.33 | 44.84 0.58 -8.16 | 38.31 0.54 -4.03 | 33.90 0.44 -4.02 |
| WETHRSFD_WT_PWR 323626 | 32.04 -2.49 0.02 | 28.40 -2.27 0.02 | 26.04 -2.02 0.02 | 25.97 -2.11 0.02 | 26.11 -2.06 0.02 | 25.92 -2.01 0.00 | 26.44 -1.78 0.00 | 29.46 -2.22 0.01 | 31.03 -2.16 0.02 | 26.66 -2.67 2.86 | 23.11 -2.81 10.09 | 22.10 -3.10 10.39 | 17.39 -3.07 14.41 | 16.47 -2.91 13.65 | 14.37 -3.37 19.73 | 14.98 -3.02 17.55 | 20.27 -2.81 11.60 | 20.68 -3.29 17.63 | 12.56 -3.14 20.85 | 36.44 -3.84 7.68 | 35.97 -3.84 9.38 | 33.04 -2.82 0.25 | 30.88 -2.73 0.13 | 27.69 -2.38 -0.64 |
| WHAVSTOR_138KV_BK127 55557 | 36.52 1.97 0.00 | 32.32 1.63 0.00 | 29.63 1.54 0.00 | 29.65 1.55 0.00 | 29.63 1.44 0.00 | 29.41 1.48 0.00 | 29.74 1.52 0.00 | 33.56 1.87 0.00 | 35.37 2.16 0.00 | 35.00 2.25 -0.56 | 38.49 2.48 0.00 | 38.16 2.56 0.00 | 40.16 2.48 -2.82 | 38.07 2.38 -2.67 | 40.80 2.77 -0.56 | 41.72 2.74 -3.44 | 38.78 2.53 -1.57 | 46.47 2.99 -1.88 | 46.24 2.63 -7.06 | 53.12 3.60 -1.57 | 63.04 4.03 -9.83 | 52.64 2.82 -13.72 | 43.02 2.50 -6.78 | 40.80 2.03 -9.33 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 36.52 1.97 0.00 | 32.32 1.63 0.00 | 29.63 1.54 0.00 | 29.65 1.55 0.00 | 29.63 1.44 0.00 | 29.41 1.48 0.00 | 29.74 1.52 0.00 | 33.56 1.87 0.00 | 35.37 2.16 0.00 | 35.00 2.25 -0.56 | 38.49 2.48 0.00 | 38.16 2.56 0.00 | 40.16 2.48 -2.82 | 38.07 2.38 -2.67 | 40.80 2.77 -0.56 | 41.72 2.74 -3.44 | 38.78 2.53 -1.57 | 46.47 2.99 -1.88 | 46.24 2.63 -7.06 | 53.12 3.60 -1.57 | 63.04 4.03 -9.83 | 52.64 2.82 -13.72 | 43.02 2.50 -6.78 | 40.80 2.03 -9.33 |
| WHITEHAL_115KV_TB1 80871 | 37.01 2.45 0.00 | 32.91 2.21 0.00 | 30.08 1.99 0.00 | 30.21 2.11 0.00 | 30.25 2.06 0.00 | 29.94 2.01 0.00 | 30.25 2.03 0.00 | 33.78 2.09 0.00 | 35.30 2.09 0.00 | 34.18 2.00 0.00 | 38.20 2.20 0.00 | 37.73 2.14 0.00 | 36.88 2.02 0.00 | 34.93 1.92 0.00 | 40.27 2.14 -0.66 | 37.64 2.10 0.00 | 36.65 1.98 0.00 | 44.38 2.79 0.00 | 47.32 2.70 -8.07 | 51.51 3.55 0.00 | 61.83 3.59 -9.05 | 54.30 2.56 -15.63 | 43.82 2.29 -7.78 | 42.42 1.88 -11.10 |
| WHITEPLN_13_KV_LOAD 356215 | 36.90 2.35 0.00 | 32.66 1.96 0.00 | 29.94 1.85 0.00 | 29.93 1.83 0.00 | 29.91 1.72 0.00 | 29.69 1.76 0.00 | 30.03 1.81 0.00 | 33.91 2.22 0.00 | 35.73 2.52 0.00 | 35.37 2.64 -0.54 | 38.99 2.99 0.00 | 38.87 3.27 0.00 | 40.76 3.17 -2.72 | 38.60 3.00 -2.58 | 41.52 3.49 -0.56 | 42.31 3.45 -3.32 | 39.41 3.22 -1.52 | 47.28 3.87 -1.82 | 47.14 3.44 -7.16 | 54.07 4.60 -1.51 | 64.16 5.12 -9.86 | 53.51 3.50 -13.90 | 43.60 2.94 -6.92 | 41.39 2.41 -9.54 |
| WM_FLOYD_69_KV_BK2 356380 | 37.98 3.42 -0.01 | 33.61 2.92 0.00 | 30.70 2.61 0.00 | 30.81 2.70 -0.01 | 30.80 2.59 -0.01 | 30.56 2.63 0.00 | 30.97 2.74 -0.01 | 34.87 3.17 -0.01 | 36.70 3.49 -0.01 | 36.24 3.51 -0.55 | 43.36 3.82 -3.54 | 42.94 3.74 -3.60 | 47.55 3.56 -9.13 | 49.86 3.33 -13.51 | 48.46 3.93 -7.05 | 48.44 3.87 -9.02 | 45.75 3.68 -7.40 | 50.54 4.41 -4.54 | 50.40 3.98 -9.86 | 54.60 5.13 -1.52 | 64.62 5.56 -9.87 | 53.70 3.68 -13.91 | 44.32 3.64 -6.93 | 42.14 3.15 -9.56 |
| WOODARD__115KV_TB2 355635 | 34.31 -0.24 0.00 | 30.48 -0.21 0.00 | 27.89 -0.20 0.00 | 27.88 -0.22 0.00 | 27.97 -0.23 0.00 | 27.73 -0.20 0.00 | 28.02 -0.20 0.00 | 31.28 -0.41 0.00 | 32.71 -0.50 0.00 | 30.93 -0.52 0.74 | 34.52 -0.54 0.95 | 33.98 -0.64 0.97 | 30.55 -0.59 3.72 | 28.97 -0.53 3.52 | 35.08 -0.60 1.79 | 30.38 -0.64 4.53 | 32.78 -0.59 1.30 | 39.39 -0.71 1.50 | 36.61 -0.40 -0.47 | 46.27 -0.58 1.11 | 48.06 -0.49 0.64 | 36.63 -0.36 -0.88 | 33.71 -0.34 -0.31 | 30.12 -0.21 -0.89 |
| YORK___WARBASSE 23770 | 37.05 2.49 -0.01 | 32.76 2.06 -0.01 | 30.03 1.94 -0.01 | 30.02 1.91 -0.01 | 30.03 1.83 -0.01 | 29.78 1.84 -0.01 | 30.03 1.81 0.00 | 33.85 2.15 0.00 | 35.60 2.39 0.00 | 35.30 2.58 -0.54 | 38.85 2.84 0.00 | 38.55 2.95 0.00 | 40.40 2.82 -2.72 | 38.30 2.71 -2.57 | 41.15 3.11 -0.56 | 41.98 3.13 -3.31 | 39.06 2.88 -1.51 | 46.90 3.49 -1.81 | 46.85 3.14 -7.16 | 53.68 4.22 -1.51 | 64.02 4.97 -9.87 | 53.56 3.54 -13.91 | 43.74 3.07 -6.93 | 41.55 2.56 -9.55 |