

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

03/31/2022

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| 59TH STREET_GT_1 | 50.55 | 47.43 | 48.02 | 47.72 | 47.85 | 50.58 | 59.52 | 68.05 | 69.38 | 60.91 | 54.80 | 51.95 | 48.67 | 47.76 | 47.52 | 47.52 | 48.08 | 54.11 | 62.65 | 67.71 | 62.34 | 47.51 | 50.05 | 48.48 |
| 24138 | 0.19 | 0.18 | 0.18 | 0.17 | 0.17 | 0.11 | 0.51 | 1.97 | 1.07 | 1.05 | 0.72 | 0.79 | 0.87 | 0.61 | 0.93 | 0.94 | 0.89 | 1.10 | 1.21 | 1.40 | 1.51 | 1.52 | 0.72 | 0.20 |
| | -48.22 | -45.13 | -45.72 | -45.43 | -45.57 | -49.22 | -54.01 | -46.57 | -58.24 | -50.08 | -47.56 | -44.09 | -40.20 | -41.93 | -38.64 | -38.59 | -39.18 | -43.32 | -50.68 | -53.57 | -46.81 | -31.56 | -42.06 | -46.15 |
| 74TH STREET_GT_1 | 50.55 | 47.43 | 48.02 | 47.72 | 47.85 | 50.59 | 59.53 | 68.03 | 69.37 | 60.90 | 54.79 | 51.94 | 48.65 | 47.75 | 47.49 | 47.49 | 48.07 | 54.08 | 62.63 | 67.70 | 62.35 | 47.52 | 50.06 | 48.49 |
| 24260 | 0.19 | 0.18 | 0.18 | 0.17 | 0.16 | 0.11 | 0.51 | 1.95 | 1.05 | 1.04 | 0.70 | 0.78 | 0.84 | 0.59 | 0.90 | 0.90 | 0.87 | 1.07 | 1.19 | 1.39 | 1.51 | 1.52 | 0.72 | 0.20 |
| | -48.23 | -45.13 | -45.72 | -45.44 | -45.58 | -49.23 | -54.01 | -46.57 | -58.24 | -50.09 | -47.57 | -44.10 | -40.20 | -41.93 | -38.65 | -38.59 | -39.18 | -43.32 | -50.69 | -53.58 | -46.81 | -31.56 | -42.06 | -46.15 |
| 74TH STREET_GT_2 | 50.55 | 47.43 | 48.02 | 47.72 | 47.85 | 50.59 | 59.53 | 68.03 | 69.37 | 60.90 | 54.79 | 51.94 | 48.65 | 47.75 | 47.49 | 47.49 | 48.07 | 54.08 | 62.63 | 67.70 | 62.35 | 47.52 | 50.06 | 48.49 |
| 24261 | 0.19 | 0.18 | 0.18 | 0.17 | 0.16 | 0.11 | 0.51 | 1.95 | 1.05 | 1.04 | 0.70 | 0.78 | 0.84 | 0.59 | 0.90 | 0.90 | 0.87 | 1.07 | 1.19 | 1.39 | 1.51 | 1.52 | 0.72 | 0.20 |
| | -48.23 | -45.13 | -45.72 | -45.44 | -45.58 | -49.23 | -54.01 | -46.57 | -58.24 | -50.09 | -47.57 | -44.10 | -40.20 | -41.93 | -38.65 | -38.59 | -39.18 | -43.32 | -50.69 | -53.58 | -46.81 | -31.56 | -42.06 | -46.15 |
| ADK HUDSON___FALLS | 69.22 | 68.58 | 66.46 | 65.33 | 66.48 | 70.00 | 80.37 | 85.85 | 105.26 | 102.56 | 73.00 | 68.81 | 63.99 | 63.79 | 62.14 | 62.12 | 63.02 | 70.58 | 81.93 | 88.09 | 80.10 | 79.54 | 66.38 | 66.36 |
| 24011 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.11 | 0.46 | 1.76 | 0.82 | 0.80 | 0.52 | 0.59 | 0.63 | 0.41 | 0.60 | 0.62 | 0.65 | 0.79 | 0.86 | 1.02 | 1.13 | 1.50 | 0.75 | 0.20 |
| | -66.87 | -66.24 | -64.13 | -63.00 | -64.15 | -68.64 | -74.90 | -64.58 | -94.37 | -91.98 | -65.96 | -61.15 | -55.75 | -58.14 | -53.59 | -53.51 | -54.36 | -60.10 | -70.32 | -74.33 | -64.95 | -63.60 | -58.35 | -64.03 |
| ADK RESOURCE___RCVRY | 69.33 | 68.69 | 66.57 | 65.43 | 66.58 | 70.10 | 80.50 | 86.07 | 105.47 | 102.77 | 73.12 | 68.92 | 64.09 | 63.89 | 62.25 | 62.23 | 63.13 | 70.70 | 82.08 | 88.24 | 80.26 | 79.75 | 66.50 | 66.46 |
| 23798 | 0.24 | 0.24 | 0.23 | 0.24 | 0.23 | 0.12 | 0.49 | 1.89 | 0.87 | 0.84 | 0.55 | 0.63 | 0.66 | 0.43 | 0.64 | 0.65 | 0.69 | 0.82 | 0.91 | 1.07 | 1.21 | 1.59 | 0.79 | 0.21 |
| | -66.96 | -66.34 | -64.22 | -63.08 | -64.24 | -68.73 | -75.00 | -64.67 | -94.52 | -92.15 | -66.05 | -61.23 | -55.83 | -58.22 | -53.66 | -53.58 | -54.43 | -60.18 | -70.42 | -74.43 | -65.04 | -63.72 | -58.43 | -64.12 |
| ADK S GLENS___FALLS | 69.22 | 68.58 | 66.46 | 65.33 | 66.48 | 70.00 | 80.37 | 85.85 | 105.26 | 102.56 | 73.00 | 68.81 | 63.99 | 63.79 | 62.14 | 62.12 | 63.02 | 70.58 | 81.93 | 88.09 | 80.10 | 79.54 | 66.38 | 66.36 |
| 24028 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.11 | 0.46 | 1.76 | 0.82 | 0.80 | 0.52 | 0.59 | 0.63 | 0.41 | 0.60 | 0.62 | 0.65 | 0.79 | 0.86 | 1.02 | 1.13 | 1.50 | 0.75 | 0.20 |
| | -66.87 | -66.24 | -64.13 | -63.00 | -64.15 | -68.64 | -74.90 | -64.58 | -94.37 | -91.98 | -65.96 | -61.15 | -55.75 | -58.14 | -53.59 | -53.51 | -54.36 | -60.10 | -70.32 | -74.33 | -64.95 | -63.60 | -58.35 | -64.03 |
| ADK_NYS___DAM | 65.01 | 63.93 | 62.33 | 61.36 | 62.31 | 65.69 | 75.65 | 81.40 | 97.53 | 93.80 | 68.88 | 64.94 | 60.48 | 60.16 | 58.80 | 58.76 | 59.59 | 66.72 | 77.47 | 83.33 | 75.90 | 72.50 | 62.53 | 62.33 |
| 23527 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.10 | 0.37 | 1.31 | 0.73 | 0.72 | 0.48 | 0.51 | 0.57 | 0.38 | 0.57 | 0.57 | 0.58 | 0.65 | 0.75 | 0.87 | 0.95 | 1.03 | 0.51 | 0.14 |
| | -62.73 | -61.65 | -60.06 | -59.10 | -60.06 | -64.34 | -70.27 | -60.59 | -86.72 | -83.30 | -61.88 | -57.37 | -52.30 | -54.55 | -50.28 | -50.19 | -50.99 | -56.38 | -65.96 | -69.73 | -60.93 | -57.04 | -54.74 | -60.06 |
| AIR_PRODUCTS___DRP | 63.18 | 62.00 | 60.55 | 59.64 | 60.52 | 63.80 | 73.59 | 79.64 | 94.50 | 90.56 | 67.05 | 63.26 | 58.93 | 58.56 | 57.32 | 57.29 | 58.07 | 65.08 | 75.53 | 81.28 | 74.10 | 70.12 | 60.91 | 60.57 |
| 24190 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.09 | 0.36 | 1.31 | 0.69 | 0.67 | 0.46 | 0.50 | 0.55 | 0.37 | 0.56 | 0.56 | 0.56 | 0.66 | 0.74 | 0.85 | 0.94 | 0.98 | 0.50 | 0.14 |
| | -60.91 | -59.74 | -58.29 | -57.38 | -58.28 | -62.46 | -68.22 | -58.82 | -83.74 | -80.11 | -60.08 | -55.70 | -50.78 | -52.96 | -48.81 | -48.73 | -49.50 | -54.73 | -64.03 | -67.69 | -59.14 | -54.70 | -53.14 | -58.30 |
| ALBANY___1 | 63.18 | 62.00 | 60.55 | 59.64 | 60.52 | 63.80 | 73.59 | 79.64 | 94.50 | 90.56 | 67.05 | 63.26 | 58.93 | 58.56 | 57.32 | 57.29 | 58.07 | 65.08 | 75.53 | 81.28 | 74.10 | 70.12 | 60.91 | 60.57 |
| 23571 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.09 | 0.36 | 1.31 | 0.69 | 0.67 | 0.46 | 0.50 | 0.55 | 0.37 | 0.56 | 0.56 | 0.56 | 0.66 | 0.74 | 0.85 | 0.94 | 0.98 | 0.50 | 0.14 |
| | -60.91 | -59.74 | -58.29 | -57.38 | -58.28 | -62.46 | -68.22 | -58.82 | -83.74 | -80.11 | -60.08 | -55.70 | -50.78 | -52.96 | -48.81 | -48.73 | -49.50 | -54.73 | -64.03 | -67.69 | -59.14 | -54.70 | -53.14 | -58.30 |
| ALBANY___2 | 63.18 | 62.00 | 60.55 | 59.64 | 60.52 | 63.80 | 73.59 | 79.64 | 94.50 | 90.56 | 67.05 | 63.26 | 58.93 | 58.56 | 57.32 | 57.29 | 58.07 | 65.08 | 75.53 | 81.28 | 74.10 | 70.12 | 60.91 | 60.57 |
| 23572 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.09 | 0.36 | 1.31 | 0.69 | 0.67 | 0.46 | 0.50 | 0.55 | 0.37 | 0.56 | 0.56 | 0.56 | 0.66 | 0.74 | 0.85 | 0.94 | 0.98 | 0.50 | 0.14 |
| | -60.91 | -59.74 | -58.29 | -57.38 | -58.28 | -62.46 | -68.22 | -58.82 | -83.74 | -80.11 | -60.08 | -55.70 | -50.78 | -52.96 | -48.81 | -48.73 | -49.50 | -54.73 | -64.03 | -67.69 | -59.14 | -54.70 | -53.14 | -58.30 |
| ALBANY___3 | 63.18 | 62.00 | 60.55 | 59.64 | 60.52 | 63.80 | 73.59 | 79.64 | 94.50 | 90.56 | 67.05 | 63.26 | 58.93 | 58.56 | 57.32 | 57.29 | 58.07 | 65.08 | 75.53 | 81.28 | 74.10 | 70.12 | 60.91 | 60.57 |
| 23573 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.09 | 0.36 | 1.31 | 0.69 | 0.67 | 0.46 | 0.50 | 0.55 | 0.37 | 0.56 | 0.56 | 0.56 | 0.66 | 0.74 | 0.85 | 0.94 | 0.98 | 0.50 | 0.14 |
| | -60.91 | -59.74 | -58.29 | -57.38 | -58.28 | -62.46 | -68.22 | -58.82 | -83.74 | -80.11 | -60.08 | -55.70 | -50.78 | -52.96 | -48.81 | -48.73 | -49.50 | -54.73 | -64.03 | -67.69 | -59.14 | -54.70 | -53.14 | -58.30 |
| ALBANY___4 | 63.18 | 62.00 | 60.55 | 59.64 | 60.52 | 63.80 | 73.59 | 79.64 | 94.50 | 90.56 | 67.05 | 63.26 | 58.93 | 58.56 | 57.32 | 57.29 | 58.07 | 65.08 | 75.53 | 81.28 | 74.10 | 70.12 | 60.91 | 60.57 |
| 23574 | 0.15 | 0.15 | 0.14 | 0.14 | 0.14 | 0.09 | 0.36 | 1.31 | 0.69 | 0.67 | 0.46 | 0.50 | 0.55 | 0.37 | 0.56 | 0.56 | 0.56 | 0.66 | 0.74 | 0.85 | 0.94 | 0.98 | 0.50 | 0.14 |
| | -60.91 | -59.74 | -58.29 | -57.38 | -58.28 | -62.46 | -68.22 | -58.82 | -83.74 | -80.11 | -60.08 | -55.70 | -50.78 | -52.96 | -48.81 | -48.73 | -49.50 | -54.73 | -64.03 | -67.69 | -59.14 | -54.70 | -53.14 | -58.30 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ALBANY___LFGE 323615 | 63.92 0.16 -61.63 | 62.78 0.16 -60.50 | 61.27 0.16 -58.99 | 60.34 0.16 -58.06 | 61.24 0.16 -58.98 | 64.55 0.10 -63.20 | 74.44 0.41 -69.03 | 80.49 1.46 -59.52 | 95.79 0.77 -84.95 | 91.95 0.75 -81.42 | 67.83 0.51 -60.79 | 63.98 0.56 -56.36 | 59.59 0.61 -51.38 | 59.23 0.41 -53.59 | 57.96 0.62 -49.39 | 57.94 0.62 -49.31 | 58.72 0.63 -50.09 | 65.81 0.74 -55.38 | 76.38 0.83 -64.80 | 82.18 0.96 -68.49 | 74.92 1.05 -59.85 | 71.20 1.10 -55.66 | 61.60 0.55 -53.77 | 61.28 0.15 -59.00 |
| ALCOA_RYNLDS___DRP 24188 | 2.07 -0.06 0.00 | 1.88 -0.05 0.19 | 2.03 -0.05 0.04 | 2.07 -0.05 0.00 | 2.01 -0.05 0.05 | 1.20 -0.04 0.02 | 4.78 -0.23 0.00 | 18.85 -0.66 0.00 | 9.06 -0.30 0.72 | 8.26 -0.32 1.19 | 6.29 -0.23 0.00 | 6.80 -0.26 0.00 | 7.30 -0.30 0.00 | 5.02 -0.21 0.00 | 7.62 -0.33 0.00 | 7.67 -0.33 0.00 | 7.69 -0.32 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.28 -0.46 0.00 | 13.56 -0.46 0.00 | 13.89 -0.55 0.00 | 7.04 -0.24 0.00 | 2.05 -0.08 0.00 |
| ALCOA___DSASP 323711 | 2.07 -0.06 0.00 | 1.88 -0.05 0.19 | 2.03 -0.05 0.04 | 2.07 -0.05 0.00 | 2.01 -0.05 0.05 | 1.20 -0.04 0.02 | 4.78 -0.23 0.00 | 18.85 -0.66 0.00 | 9.06 -0.30 0.72 | 8.26 -0.32 1.19 | 6.29 -0.23 0.00 | 6.80 -0.26 0.00 | 7.30 -0.30 0.00 | 5.02 -0.21 0.00 | 7.62 -0.33 0.00 | 7.67 -0.33 0.00 | 7.69 -0.32 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.28 -0.46 0.00 | 13.56 -0.46 0.00 | 13.89 -0.55 0.00 | 7.04 -0.24 0.00 | 2.05 -0.08 0.00 |
| ALLEGHENY___COGEN 23514 | 11.40 0.20 -9.07 | 10.70 0.16 -8.42 | 10.86 0.15 -8.59 | 10.83 0.17 -8.55 | 10.80 0.14 -8.55 | 10.61 0.10 -9.25 | 15.71 0.55 -10.16 | 29.81 1.54 -8.76 | 21.40 0.65 -10.68 | 19.37 0.63 -8.96 | 15.90 0.43 -8.95 | 15.82 0.46 -8.30 | 15.73 0.56 -7.56 | 13.49 0.37 -7.89 | 15.74 0.52 -7.27 | 15.77 0.51 -7.26 | 15.94 0.55 -7.38 | 18.49 0.64 -8.16 | 21.09 0.80 -9.54 | 23.70 0.88 -10.09 | 23.77 0.94 -8.81 | 21.17 1.14 -5.59 | 15.75 0.55 -7.92 | 11.02 0.19 -8.69 |
| ALTONA_WT_PWR 323606 | 2.12 0.00 0.00 | 1.92 0.00 0.19 | 2.08 0.00 0.04 | 2.12 0.00 0.00 | 2.05 -0.01 0.05 | 1.22 -0.01 0.02 | 4.93 -0.07 0.00 | 19.33 -0.18 0.00 | 9.21 -0.15 0.72 | 8.32 -0.26 1.19 | 6.29 -0.23 0.00 | 6.74 -0.32 0.00 | 7.16 -0.45 0.00 | 4.89 -0.34 0.00 | 7.45 -0.50 0.00 | 7.51 -0.49 0.00 | 7.59 -0.42 0.00 | 9.32 -0.38 0.00 | 10.28 -0.47 0.00 | 12.37 -0.37 0.00 | 13.67 -0.35 0.00 | 13.89 -0.55 0.00 | 7.12 -0.16 0.00 | 2.02 -0.11 0.00 |
| AMERICAN_REF_FUEL 24010 | 10.98 0.10 -8.76 | 10.30 0.05 -8.12 | 10.45 0.05 -8.29 | 10.43 0.06 -8.25 | 10.38 0.02 -8.26 | 10.22 0.04 -8.93 | 15.07 0.25 -9.81 | 27.64 -0.33 -8.46 | 20.15 -0.23 -10.30 | 18.34 -0.09 -8.65 | 15.13 -0.03 -8.64 | 15.11 0.04 -8.01 | 15.06 0.16 -7.30 | 12.97 0.13 -7.61 | 15.06 0.10 -7.02 | 15.07 0.06 -7.01 | 15.13 -0.01 -7.13 | 17.43 -0.15 -7.88 | 19.86 -0.11 -9.22 | 22.10 -0.38 -9.74 | 22.07 -0.46 -8.51 | 19.83 0.00 -5.39 | 15.06 0.14 -7.65 | 10.63 0.11 -8.39 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 12.15 0.14 -9.89 | 11.32 0.02 -9.18 | 11.48 0.01 -9.36 | 11.54 0.10 -9.32 | 11.42 -0.01 -9.33 | 11.36 0.02 -10.09 | 16.48 0.40 -11.07 | 28.75 -0.31 -9.55 | 21.53 -0.21 -11.67 | 19.49 -0.11 -9.81 | 16.24 -0.03 -9.75 | 16.11 0.01 -9.04 | 15.94 0.09 -8.24 | 13.89 0.06 -8.60 | 15.94 0.06 -7.92 | 16.02 0.11 -7.91 | 16.14 0.14 -7.99 | 18.57 0.04 -8.84 | 21.18 0.09 -10.34 | 23.62 -0.05 -10.93 | 23.43 -0.14 -9.55 | 20.77 0.25 -6.09 | 16.08 0.22 -8.58 | 11.67 0.12 -9.42 |
| ARTHUR_KILL_GT_1 23520 | 46.07 0.19 -43.75 | 46.06 0.18 -43.77 | 48.04 0.20 -45.73 | 46.06 0.16 -43.78 | 46.06 0.16 -43.80 | 46.04 0.10 -44.69 | 59.44 0.42 -54.01 | 66.15 1.60 -45.04 | 54.68 0.88 -43.73 | 48.26 0.88 -37.60 | 46.45 0.60 -39.33 | 46.46 0.67 -38.73 | 46.46 0.73 -38.12 | 46.47 0.51 -40.73 | 46.46 0.79 -37.72 | 46.47 0.80 -37.67 | 46.45 0.75 -37.69 | 46.48 0.95 -35.83 | 46.47 1.06 -34.66 | 48.59 1.25 -34.61 | 49.99 1.35 -34.62 | 46.41 1.30 -30.67 | 46.47 0.62 -38.58 | 44.55 0.19 -42.23 |
| ARTHUR_KILL_2 23512 | 46.06 0.19 -43.75 | 46.06 0.17 -43.77 | 48.04 0.19 -45.73 | 46.05 0.16 -43.78 | 46.05 0.15 -43.80 | 46.04 0.09 -44.69 | 59.43 0.41 -54.01 | 66.09 1.54 -45.04 | 54.65 0.85 -43.73 | 48.23 0.85 -37.60 | 46.44 0.58 -39.33 | 46.44 0.65 -38.73 | 46.44 0.71 -38.12 | 46.45 0.50 -40.73 | 46.45 0.77 -37.72 | 46.45 0.78 -37.67 | 46.43 0.73 -37.69 | 46.45 0.92 -35.83 | 46.44 1.03 -34.66 | 48.55 1.21 -34.61 | 49.94 1.30 -34.62 | 46.36 1.26 -30.67 | 46.46 0.60 -38.58 | 44.54 0.18 -42.23 |
| ARTHUR_KILL_3 23513 | 46.03 0.17 -43.74 | 46.03 0.16 -43.76 | 48.03 0.19 -45.73 | 46.03 0.15 -43.77 | 46.03 0.14 -43.79 | 46.03 0.10 -44.68 | 59.50 0.48 -54.01 | 66.33 1.78 -45.04 | 54.77 0.96 -43.73 | 48.33 0.95 -37.60 | 46.50 0.64 -39.34 | 46.51 0.71 -38.73 | 46.51 0.78 -38.13 | 46.51 0.54 -40.73 | 46.51 0.83 -37.73 | 46.51 0.83 -37.68 | 46.51 0.80 -37.70 | 46.51 0.98 -35.83 | 46.51 1.10 -34.66 | 48.62 1.27 -34.61 | 50.03 1.39 -34.63 | 46.50 1.39 -30.67 | 46.51 0.66 -38.57 | 44.53 0.18 -42.22 |
| ARTHUR_KILL_COGEN 323718 | 46.07 0.19 -43.75 | 46.06 0.18 -43.77 | 48.04 0.20 -45.73 | 46.06 0.16 -43.78 | 46.06 0.16 -43.80 | 46.04 0.10 -44.69 | 59.44 0.42 -54.01 | 66.15 1.60 -45.04 | 54.68 0.88 -43.73 | 48.26 0.88 -37.60 | 46.45 0.60 -39.33 | 46.46 0.67 -38.73 | 46.46 0.73 -38.12 | 46.47 0.51 -40.73 | 46.46 0.79 -37.72 | 46.47 0.80 -37.67 | 46.45 0.75 -37.69 | 46.48 0.95 -35.83 | 46.47 1.06 -34.66 | 48.59 1.25 -34.61 | 49.99 1.35 -34.62 | 46.41 1.30 -30.67 | 46.47 0.62 -38.58 | 44.55 0.19 -42.23 |
| ASHOKAN____ 23654 | 53.42 0.24 -51.06 | 50.91 0.23 -48.56 | 50.90 0.22 -48.56 | 50.44 0.22 -48.10 | 50.78 0.21 -48.46 | 53.59 0.14 -52.20 | 62.82 0.63 -57.19 | 71.22 2.40 -49.31 | 75.88 1.25 -64.55 | 68.79 1.19 -57.82 | 57.67 0.79 -50.36 | 54.48 0.73 -46.69 | 50.96 0.79 -42.57 | 50.17 0.54 -44.39 | 49.68 0.82 -40.92 | 49.68 0.82 -40.86 | 50.31 0.82 -41.49 | 56.59 1.03 -45.87 | 65.60 1.18 -53.67 | 70.86 1.40 -56.73 | 65.07 1.49 -49.57 | 53.56 1.49 -37.63 | 52.53 0.72 -44.53 | 51.19 0.19 -48.87 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 50.55 0.18 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.87 1.79 -46.56 | 69.28 0.97 -58.23 | 60.83 0.98 -50.08 | 54.74 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.45 0.86 -38.64 | 47.45 0.86 -38.58 | 48.02 0.83 -39.17 | 54.03 1.02 -43.31 | 62.57 1.14 -50.68 | 67.62 1.31 -53.57 | 62.27 1.44 -46.81 | 47.42 1.43 -31.55 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 50.55 0.18 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.87 1.79 -46.56 | 69.28 0.97 -58.23 | 60.83 0.98 -50.08 | 54.74 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.45 0.86 -38.64 | 47.45 0.86 -38.58 | 48.02 0.83 -39.17 | 54.03 1.02 -43.31 | 62.57 1.14 -50.68 | 67.62 1.31 -53.57 | 62.27 1.44 -46.81 | 47.42 1.43 -31.55 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| ASTORIA_GT2_I 24094 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |

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|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ASTORIA_GT2_2 24095 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT2_3 24096 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT2_4 24097 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT3_1 24098 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT3_2 24099 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT3_3 24100 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT3_4 24101 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT4_1 24102 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT4_2 24103 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT4_3 24104 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT4_4 24105 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT_1 23523 | 50.56 0.19 -48.24 | 47.45 0.19 -45.14 | 48.03 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.93 1.85 -46.56 | 69.31 1.00 -58.23 | 60.86 1.01 -50.08 | 54.76 0.68 -47.56 | 51.91 0.76 -44.09 | 48.63 0.83 -40.20 | 47.73 0.58 -41.92 | 47.47 0.88 -38.64 | 47.47 0.89 -38.58 | 48.03 0.85 -39.17 | 54.06 1.05 -43.31 | 62.59 1.16 -50.68 | 67.66 1.35 -53.57 | 62.30 1.47 -46.81 | 47.47 1.47 -31.55 | 50.04 0.70 -42.06 | 48.50 0.21 -46.16 |
| ASTORIA_GT_10 24110 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT_11 24225 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT_12 24226 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |

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|----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ASTORIA_GT_13 24227 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA_GT_5 24106 | 50.56 0.19 -48.24 | 47.45 0.19 -45.14 | 48.03 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.93 1.85 -46.56 | 69.31 1.00 -58.23 | 60.86 1.01 -50.08 | 54.76 0.68 -47.56 | 51.91 0.76 -44.09 | 48.63 0.83 -40.20 | 47.73 0.58 -41.92 | 47.47 0.88 -38.64 | 47.47 0.89 -38.58 | 48.03 0.85 -39.17 | 54.06 1.05 -43.31 | 62.59 1.16 -50.68 | 67.66 1.35 -53.57 | 62.30 1.47 -46.81 | 47.47 1.47 -31.55 | 50.04 0.70 -42.06 | 48.50 0.21 -46.16 |
| ASTORIA_GT_7 24107 | 50.56 0.19 -48.24 | 47.45 0.19 -45.14 | 48.03 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.93 1.85 -46.56 | 69.31 1.00 -58.23 | 60.86 1.01 -50.08 | 54.76 0.68 -47.56 | 51.91 0.76 -44.09 | 48.63 0.83 -40.20 | 47.73 0.58 -41.92 | 47.47 0.88 -38.64 | 47.47 0.89 -38.58 | 48.03 0.85 -39.17 | 54.06 1.05 -43.31 | 62.59 1.16 -50.68 | 67.66 1.35 -53.57 | 62.30 1.47 -46.81 | 47.47 1.47 -31.55 | 50.04 0.70 -42.06 | 48.50 0.21 -46.16 |
| ASTORIA_GT_8 24108 | 50.56 0.19 -48.24 | 47.45 0.19 -45.14 | 48.03 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.93 1.85 -46.56 | 69.31 1.00 -58.23 | 60.86 1.01 -50.08 | 54.76 0.68 -47.56 | 51.91 0.76 -44.09 | 48.63 0.83 -40.20 | 47.73 0.58 -41.92 | 47.47 0.88 -38.64 | 47.47 0.89 -38.58 | 48.03 0.85 -39.17 | 54.06 1.05 -43.31 | 62.59 1.16 -50.68 | 67.66 1.35 -53.57 | 62.30 1.47 -46.81 | 47.47 1.47 -31.55 | 50.04 0.70 -42.06 | 48.50 0.21 -46.16 |
| ASTORIA___2 24149 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA___3 23516 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA___4 23517 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| ASTORIA___5 23518 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| AST_ENERGY_2_CC3 323677 | 50.53 0.17 -48.23 | 47.41 0.16 -45.13 | 48.00 0.17 -45.72 | 47.71 0.15 -45.43 | 47.83 0.15 -45.58 | 50.57 0.10 -49.22 | 59.48 0.46 -54.01 | 67.85 1.78 -46.57 | 69.29 0.97 -58.24 | 60.81 0.95 -50.08 | 54.73 0.65 -47.56 | 51.87 0.71 -44.10 | 48.59 0.78 -40.20 | 47.71 0.55 -41.93 | 47.43 0.83 -38.64 | 47.43 0.84 -38.59 | 48.00 0.81 -39.18 | 54.01 0.99 -43.32 | 62.53 1.10 -50.68 | 67.60 1.29 -53.58 | 62.22 1.39 -46.81 | 47.42 1.42 -31.56 | 50.00 0.66 -42.06 | 48.47 0.19 -46.15 |
| AST_ENERGY_2_CC4 323678 | 50.53 0.17 -48.23 | 47.41 0.16 -45.13 | 48.00 0.17 -45.72 | 47.71 0.15 -45.43 | 47.83 0.15 -45.58 | 50.57 0.10 -49.22 | 59.48 0.46 -54.01 | 67.85 1.78 -46.57 | 69.29 0.97 -58.24 | 60.81 0.95 -50.08 | 54.73 0.65 -47.56 | 51.87 0.71 -44.10 | 48.59 0.78 -40.20 | 47.71 0.55 -41.93 | 47.43 0.83 -38.64 | 47.43 0.84 -38.59 | 48.00 0.81 -39.18 | 54.01 0.99 -43.32 | 62.53 1.10 -50.68 | 67.60 1.29 -53.58 | 62.22 1.39 -46.81 | 47.42 1.42 -31.56 | 50.00 0.66 -42.06 | 48.47 0.19 -46.15 |
| ATHENS_STG_1 23668 | 52.78 0.11 -50.54 | 49.18 0.10 -46.96 | 50.07 0.10 -47.85 | 49.84 0.10 -47.62 | 49.88 0.10 -47.68 | 52.87 0.06 -51.55 | 61.88 0.27 -56.60 | 69.29 0.98 -48.80 | 70.39 0.53 -59.78 | 60.71 0.53 -50.41 | 56.73 0.36 -49.85 | 53.67 0.40 -46.21 | 50.17 0.43 -42.13 | 49.47 0.30 -43.94 | 48.91 0.46 -40.50 | 48.91 0.46 -40.44 | 49.52 0.45 -41.06 | 55.63 0.53 -45.40 | 64.47 0.60 -53.11 | 69.57 0.69 -56.14 | 63.83 0.76 -49.06 | 46.47 0.79 -31.24 | 51.75 0.40 -44.07 | 50.61 0.12 -48.36 |
| ATHENS_STG_2 23670 | 52.78 0.11 -50.54 | 49.18 0.10 -46.96 | 50.07 0.10 -47.85 | 49.84 0.10 -47.62 | 49.88 0.10 -47.68 | 52.87 0.06 -51.55 | 61.88 0.27 -56.60 | 69.29 0.98 -48.80 | 70.39 0.53 -59.78 | 60.71 0.53 -50.41 | 56.73 0.36 -49.85 | 53.67 0.40 -46.21 | 50.17 0.43 -42.13 | 49.47 0.30 -43.94 | 48.91 0.46 -40.50 | 48.91 0.46 -40.44 | 49.52 0.45 -41.06 | 55.63 0.53 -45.40 | 64.47 0.60 -53.11 | 69.57 0.69 -56.14 | 63.83 0.76 -49.06 | 46.47 0.79 -31.24 | 51.75 0.40 -44.07 | 50.61 0.12 -48.36 |
| ATHENS_STG_3 23677 | 52.78 0.11 -50.54 | 49.18 0.10 -46.96 | 50.07 0.10 -47.85 | 49.84 0.10 -47.62 | 49.88 0.10 -47.68 | 52.87 0.06 -51.55 | 61.88 0.27 -56.60 | 69.29 0.98 -48.80 | 70.39 0.53 -59.78 | 60.71 0.53 -50.41 | 56.73 0.36 -49.85 | 53.67 0.40 -46.21 | 50.17 0.43 -42.13 | 49.47 0.30 -43.94 | 48.91 0.46 -40.50 | 48.91 0.46 -40.44 | 49.52 0.45 -41.06 | 55.63 0.53 -45.40 | 64.47 0.60 -53.11 | 69.57 0.69 -56.14 | 63.83 0.76 -49.06 | 46.47 0.79 -31.24 | 51.75 0.40 -44.07 | 50.61 0.12 -48.36 |
| AUBURN___LFGE 323710 | 8.81 0.08 -6.61 | 8.27 0.07 -6.09 | 8.42 0.06 -6.24 | 8.41 0.07 -6.22 | 8.38 0.05 -6.22 | 8.02 0.04 -6.73 | 12.64 0.23 -7.40 | 26.65 0.76 -6.38 | 18.04 0.32 -7.64 | 16.41 0.33 -6.30 | 13.26 0.22 -6.51 | 13.33 0.23 -6.04 | 13.38 0.27 -5.51 | 11.16 0.19 -5.74 | 13.51 0.27 -5.29 | 13.55 0.26 -5.29 | 13.68 0.28 -5.39 | 15.98 0.32 -5.96 | 18.10 0.38 -6.97 | 20.59 0.48 -7.37 | 20.95 0.49 -6.44 | 18.92 0.55 -3.92 | 13.31 0.25 -5.78 | 8.56 0.08 -6.35 |
| BABYLON_RES_REC 323704 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.24 -68.28 | 69.64 0.23 -67.29 | 75.00 0.22 -72.67 | 86.56 0.14 -85.16 | 92.08 0.65 -86.42 | 93.66 2.46 -71.69 | 92.20 1.31 -80.81 | 92.18 1.28 -81.12 | 72.04 0.77 -64.75 | 72.02 0.83 -64.12 | 62.27 0.91 -53.75 | 61.55 0.64 -55.68 | 60.07 0.97 -51.15 | 60.55 0.98 -51.58 | 62.28 0.94 -53.32 | 74.37 1.13 -63.54 | 71.99 1.27 -59.97 | 90.87 1.43 -76.71 | 90.85 1.54 -75.29 | 78.18 1.66 -62.08 | 60.60 0.89 -52.42 | 57.73 0.26 -55.34 |

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|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BARRETT_IC_1 23704 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_10 23701 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_11 23702 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_12 23703 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_2 23705 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_3 23706 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_4 23707 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_5 23708 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_6 23709 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_7 23710 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_8 23711 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT_IC_9 23700 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT___1 23545 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BARRETT___2 23546 | 90.43 0.23 -88.07 | 74.99 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.21 -72.67 | 86.55 0.13 -85.16 | 92.01 0.59 -86.42 | 93.42 2.22 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.04 0.78 -64.75 | 72.03 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.64 -55.68 | 60.08 0.98 -51.15 | 60.56 0.98 -51.58 | 62.29 0.96 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.96 1.51 -76.71 | 90.97 1.67 -75.29 | 78.21 1.69 -62.08 | 60.54 0.84 -52.42 | 57.71 0.24 -55.34 |
| BAYONEEC___CTG1 323682 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |

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|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BAYONEEC___CTG10 323750 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG2 323683 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG3 323684 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG4 323685 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG5 323686 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG6 323687 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG7 323688 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG8 323689 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BAYONEEC___CTG9 323749 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| BEACON___LESR 323632 | 63.32 0.20 -61.00 | 62.11 0.18 -59.81 | 60.67 0.18 -58.37 | 59.76 0.18 -57.46 | 60.65 0.18 -58.36 | 63.92 0.12 -62.55 | 73.82 0.49 -68.32 | 80.19 1.78 -58.91 | 94.78 0.90 -83.81 | 90.82 0.90 -80.14 | 67.29 0.60 -60.17 | 63.51 0.66 -55.78 | 59.17 0.71 -50.85 | 58.75 0.48 -53.04 | 57.56 0.72 -48.88 | 57.53 0.72 -48.81 | 58.31 0.72 -49.57 | 65.37 0.86 -54.81 | 75.85 0.97 -64.13 | 81.64 1.12 -67.79 | 74.47 1.22 -59.23 | 70.42 1.27 -54.70 | 61.14 0.65 -53.22 | 60.70 0.18 -58.39 |
| BEAVER RIVER___HYD 24048 | 3.71 -0.03 -1.61 | 3.32 -0.03 -1.23 | 3.55 -0.03 -1.47 | 3.60 -0.03 -1.51 | 3.52 -0.04 -1.45 | 2.84 -0.02 -1.61 | 6.79 -0.02 -1.80 | 21.12 0.06 -1.55 | 10.99 0.00 -0.91 | 9.70 -0.04 0.03 | 8.06 -0.05 -1.58 | 8.45 -0.08 -1.47 | 8.82 -0.12 -1.34 | 6.54 -0.08 -1.40 | 9.09 -0.15 -1.29 | 9.12 -0.17 -1.29 | 9.30 -0.14 -1.44 | 11.17 -0.12 -1.59 | 12.46 0.02 -1.68 | 14.57 0.05 -1.78 | 15.67 0.10 -1.55 | 15.02 0.00 -0.57 | 8.62 -0.06 -1.40 | 3.64 -0.02 -1.53 |
| BEEBEE_GT_13 23619 | 8.54 0.08 -6.33 | 8.03 0.06 -5.85 | 8.16 0.05 -5.99 | 8.15 0.06 -5.96 | 8.12 0.05 -5.96 | 7.75 0.04 -6.45 | 12.34 0.25 -7.09 | 26.11 0.49 -6.11 | 17.62 0.17 -7.37 | 16.14 0.23 -6.13 | 12.95 0.19 -6.24 | 13.07 0.22 -5.79 | 13.17 0.29 -5.28 | 10.93 0.20 -5.50 | 13.29 0.27 -5.07 | 13.32 0.26 -5.07 | 13.40 0.23 -5.16 | 15.61 0.21 -5.70 | 17.66 0.24 -6.67 | 19.99 0.20 -7.05 | 20.39 0.21 -6.16 | 18.61 0.36 -3.81 | 13.00 0.19 -5.53 | 8.28 0.08 -6.07 |
| BETHLEHEM___GRP 23843 | 63.18 0.15 -60.91 | 62.00 0.15 -59.74 | 60.55 0.14 -58.29 | 59.64 0.14 -57.38 | 60.52 0.14 -58.28 | 63.80 0.09 -62.46 | 73.59 0.36 -68.22 | 79.64 1.31 -58.82 | 94.50 0.69 -83.74 | 90.56 0.67 -80.11 | 67.05 0.46 -60.08 | 63.26 0.50 -55.70 | 58.93 0.55 -50.78 | 58.56 0.37 -52.96 | 57.32 0.56 -48.81 | 57.29 0.56 -48.73 | 58.07 0.56 -49.50 | 65.08 0.66 -54.73 | 75.53 0.74 -64.03 | 81.28 0.85 -67.69 | 74.10 0.94 -59.14 | 70.12 0.98 -54.70 | 60.91 0.50 -53.14 | 60.57 0.14 -58.30 |
| BETHLEHEM___GS1 323560 | 63.18 0.15 -60.91 | 62.00 0.15 -59.74 | 60.55 0.14 -58.29 | 59.64 0.14 -57.38 | 60.52 0.14 -58.28 | 63.80 0.09 -62.46 | 73.59 0.36 -68.22 | 79.64 1.31 -58.82 | 94.50 0.69 -83.74 | 90.56 0.67 -80.11 | 67.05 0.46 -60.08 | 63.26 0.50 -55.70 | 58.93 0.55 -50.78 | 58.56 0.37 -52.96 | 57.32 0.56 -48.81 | 57.29 0.56 -48.73 | 58.07 0.56 -49.50 | 65.08 0.66 -54.73 | 75.53 0.74 -64.03 | 81.28 0.85 -67.69 | 74.10 0.94 -59.14 | 70.12 0.98 -54.70 | 60.91 0.50 -53.14 | 60.57 0.14 -58.30 |
| BETHLEHEM___GS2 323561 | 63.18 0.15 -60.91 | 62.00 0.15 -59.74 | 60.55 0.14 -58.29 | 59.64 0.14 -57.38 | 60.52 0.14 -58.28 | 63.80 0.09 -62.46 | 73.59 0.36 -68.22 | 79.64 1.31 -58.82 | 94.50 0.69 -83.74 | 90.56 0.67 -80.11 | 67.05 0.46 -60.08 | 63.26 0.50 -55.70 | 58.93 0.55 -50.78 | 58.56 0.37 -52.96 | 57.32 0.56 -48.81 | 57.29 0.56 -48.73 | 58.07 0.56 -49.50 | 65.08 0.66 -54.73 | 75.53 0.74 -64.03 | 81.28 0.85 -67.69 | 74.10 0.94 -59.14 | 70.12 0.98 -54.70 | 60.91 0.50 -53.14 | 60.57 0.14 -58.30 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BETHLEHEM___GS3 323562 | 63.18 0.15 -60.91 | 62.00 0.15 -59.74 | 60.55 0.14 -58.29 | 59.64 0.14 -57.38 | 60.52 0.14 -58.28 | 63.80 0.09 -62.46 | 73.59 0.36 -68.22 | 79.64 1.31 -58.82 | 94.50 0.69 -83.74 | 90.56 0.67 -80.11 | 67.05 0.46 -60.08 | 63.26 0.50 -55.70 | 58.93 0.55 -50.78 | 58.56 0.37 -52.96 | 57.32 0.56 -48.81 | 57.29 0.56 -48.73 | 58.07 0.56 -49.50 | 65.08 0.66 -54.73 | 75.53 0.74 -64.03 | 81.28 0.85 -67.69 | 74.10 0.94 -59.14 | 70.12 0.98 -54.70 | 60.91 0.50 -53.14 | 60.57 0.14 -58.30 |
| BETHLEHEM___STEEL 23779 | 11.57 0.14 -9.30 | 10.85 0.10 -8.63 | 11.01 0.09 -8.80 | 10.99 0.11 -8.76 | 10.94 0.07 -8.77 | 10.80 0.07 -9.48 | 15.82 0.40 -10.42 | 28.82 0.33 -8.98 | 21.14 0.10 -10.96 | 19.20 0.21 -9.21 | 15.87 0.18 -9.17 | 15.81 0.25 -8.50 | 15.71 0.35 -7.75 | 13.57 0.25 -8.09 | 15.71 0.31 -7.45 | 15.72 0.28 -7.44 | 15.82 0.24 -7.57 | 18.23 0.16 -8.37 | 20.78 0.25 -9.79 | 23.18 0.10 -10.34 | 23.13 0.07 -9.04 | 20.69 0.51 -5.74 | 15.75 0.36 -8.12 | 11.21 0.16 -8.91 |
| BETHPAGE_CC_5 323564 | 90.44 0.24 -88.07 | 74.99 0.23 -72.64 | 70.63 0.23 -68.28 | 69.63 0.22 -67.29 | 74.98 0.21 -72.67 | 86.55 0.14 -85.16 | 92.05 0.62 -86.42 | 93.54 2.34 -71.69 | 92.13 1.24 -80.81 | 92.12 1.22 -81.12 | 72.06 0.79 -64.75 | 72.06 0.87 -64.12 | 62.32 0.96 -53.75 | 61.58 0.67 -55.68 | 60.12 1.02 -51.15 | 60.60 1.02 -51.58 | 62.31 0.98 -53.32 | 74.42 1.18 -63.54 | 72.05 1.32 -59.97 | 90.99 1.54 -76.71 | 90.99 1.68 -75.29 | 78.24 1.72 -62.08 | 60.57 0.87 -52.42 | 57.72 0.25 -55.34 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 11.64 0.15 -9.36 | 10.91 0.10 -8.69 | 11.07 0.09 -8.86 | 11.05 0.11 -8.82 | 11.00 0.07 -8.83 | 10.87 0.07 -9.55 | 15.89 0.40 -10.49 | 28.88 0.33 -9.04 | 21.21 0.10 -11.03 | 19.26 0.21 -9.27 | 15.93 0.18 -9.23 | 15.87 0.25 -8.56 | 15.77 0.36 -7.81 | 13.63 0.26 -8.14 | 15.76 0.31 -7.50 | 15.77 0.28 -7.49 | 15.87 0.24 -7.62 | 18.29 0.17 -8.42 | 20.85 0.25 -9.85 | 23.27 0.11 -10.42 | 23.20 0.08 -9.10 | 20.75 0.52 -5.79 | 15.82 0.36 -8.18 | 11.27 0.16 -8.97 |
| BINGHAMTON___COGEN 23790 | 18.91 0.09 -16.69 | 17.77 0.07 -15.58 | 18.00 0.07 -15.82 | 17.92 0.08 -15.73 | 17.93 0.06 -15.76 | 18.33 0.05 -17.03 | 23.97 0.27 -18.69 | 36.39 0.76 -16.12 | 30.41 0.34 -19.99 | 27.19 0.35 -17.06 | 23.22 0.24 -16.46 | 22.59 0.27 -15.26 | 21.83 0.31 -13.91 | 19.96 0.21 -14.51 | 21.63 0.30 -13.37 | 21.66 0.30 -13.36 | 21.88 0.30 -13.58 | 25.04 0.33 -15.01 | 28.72 0.41 -17.56 | 31.73 0.43 -18.57 | 30.70 0.46 -16.22 | 25.73 0.55 -10.74 | 22.13 0.28 -14.57 | 18.22 0.10 -15.99 |
| BLACK RIVER___HYD 24047 | 4.67 0.00 -2.54 | 4.35 -0.01 -2.24 | 4.49 -0.01 -2.38 | 4.51 -0.01 -2.40 | 4.46 -0.01 -2.37 | 3.83 0.00 -2.58 | 7.95 0.09 -2.85 | 22.42 0.45 -2.46 | 12.82 0.18 -2.56 | 11.69 0.13 -1.79 | 9.09 0.06 -2.51 | 9.41 0.02 -2.33 | 9.72 0.00 -2.12 | 7.44 -0.01 -2.21 | 9.96 -0.02 -2.04 | 10.00 -0.04 -2.04 | 10.17 -0.01 -2.17 | 12.15 0.06 -2.40 | 13.64 0.20 -2.68 | 15.82 0.25 -2.83 | 16.82 0.32 -2.48 | 15.57 0.22 -0.92 | 9.52 0.02 -2.23 | 4.57 0.00 -2.44 |
| BLISS_WT_PWR 323608 | 12.08 0.10 -9.86 | 11.31 0.04 -9.15 | 11.47 0.02 -9.33 | 11.45 0.04 -9.29 | 11.40 -0.01 -9.30 | 11.33 0.02 -10.05 | 16.27 0.22 -11.04 | 28.70 -0.33 -9.52 | 21.41 -0.30 -11.63 | 19.34 -0.22 -9.78 | 16.13 -0.11 -9.72 | 16.01 -0.06 -9.01 | 15.84 0.02 -8.22 | 13.80 0.00 -8.57 | 15.76 -0.09 -7.90 | 15.80 -0.09 -7.89 | 15.94 -0.10 -8.03 | 18.40 -0.17 -8.88 | 20.94 -0.19 -10.38 | 23.38 -0.33 -10.97 | 23.23 -0.38 -9.59 | 20.57 0.01 -6.11 | 16.00 0.11 -8.62 | 11.68 0.09 -9.45 |
| BLUE_CIRC_CHEM_DRP 24182 | 58.62 0.15 -56.34 | 56.84 0.14 -54.58 | 56.04 0.14 -53.78 | 55.33 0.14 -53.08 | 55.97 0.14 -53.73 | 59.04 0.09 -57.70 | 68.45 0.35 -63.10 | 75.15 1.23 -54.41 | 85.65 0.64 -74.93 | 80.34 0.64 -69.93 | 62.51 0.42 -55.57 | 59.03 0.45 -51.52 | 55.06 0.49 -46.97 | 54.55 0.34 -48.98 | 53.61 0.51 -45.15 | 53.59 0.51 -45.08 | 54.29 0.50 -45.78 | 60.91 0.60 -50.61 | 70.64 0.67 -59.22 | 76.10 0.76 -62.60 | 69.55 0.84 -54.70 | 62.26 0.90 -46.92 | 56.88 0.47 -49.14 | 56.19 0.13 -53.92 |
| BOC_GAS_DRP 24189 | 61.97 0.12 -59.72 | 60.78 0.12 -58.54 | 59.38 0.11 -57.15 | 58.50 0.11 -56.26 | 59.35 0.11 -57.14 | 62.56 0.07 -61.24 | 72.19 0.29 -66.89 | 78.24 1.05 -57.68 | 92.62 0.56 -81.98 | 88.68 0.56 -78.34 | 65.81 0.38 -58.91 | 62.09 0.41 -54.61 | 57.84 0.45 -49.79 | 57.47 0.31 -51.93 | 56.27 0.46 -47.86 | 56.25 0.46 -47.79 | 57.01 0.46 -48.53 | 63.90 0.54 -53.66 | 74.15 0.61 -62.78 | 79.80 0.70 -66.36 | 72.77 0.77 -57.99 | 68.70 0.81 -53.45 | 59.78 0.41 -52.10 | 59.41 0.12 -57.17 |
| BORALEX_4TH_BRANCH 23824 | 65.01 0.15 -62.73 | 63.93 0.15 -61.65 | 62.33 0.15 -60.06 | 61.36 0.15 -59.10 | 62.31 0.15 -60.06 | 65.69 0.10 -64.34 | 75.65 0.37 -70.27 | 81.40 1.31 -60.59 | 97.53 0.73 -86.72 | 93.80 0.72 -83.30 | 68.88 0.48 -61.88 | 64.94 0.51 -57.37 | 60.48 0.57 -52.30 | 60.16 0.38 -54.55 | 58.80 0.57 -50.28 | 58.76 0.57 -50.19 | 59.59 0.58 -50.99 | 66.72 0.65 -56.38 | 77.47 0.75 -65.96 | 83.33 0.87 -69.73 | 75.90 0.95 -60.93 | 72.50 1.03 -57.04 | 62.53 0.51 -54.74 | 62.33 0.14 -60.06 |
| BOWLINE___1 23526 | 49.75 0.16 -47.46 | 46.68 0.15 -44.41 | 47.26 0.15 -44.99 | 46.97 0.14 -44.71 | 47.09 0.14 -44.85 | 49.79 0.09 -48.44 | 58.60 0.43 -53.17 | 66.97 1.62 -45.84 | 68.25 0.88 -57.30 | 59.89 0.86 -49.25 | 53.93 0.59 -46.82 | 51.11 0.64 -43.41 | 47.87 0.69 -39.57 | 46.99 0.49 -41.27 | 46.73 0.74 -38.04 | 46.72 0.74 -37.98 | 47.29 0.71 -38.57 | 53.21 0.87 -42.64 | 61.62 0.98 -49.89 | 66.62 1.15 -52.74 | 61.34 1.25 -46.08 | 46.72 1.26 -31.03 | 49.28 0.60 -41.40 | 47.73 0.17 -45.43 |
| BOWLINE___2 23595 | 49.75 0.16 -47.46 | 46.68 0.15 -44.41 | 47.26 0.15 -44.99 | 46.98 0.14 -44.71 | 47.10 0.14 -44.85 | 49.79 0.09 -48.44 | 58.60 0.43 -53.17 | 66.97 1.62 -45.84 | 68.26 0.88 -57.30 | 59.89 0.86 -49.25 | 53.93 0.59 -46.82 | 51.11 0.64 -43.41 | 47.87 0.69 -39.57 | 46.99 0.49 -41.27 | 46.73 0.74 -38.04 | 46.72 0.74 -37.98 | 47.29 0.71 -38.57 | 53.21 0.87 -42.64 | 61.62 0.98 -49.89 | 66.62 1.15 -52.74 | 61.35 1.25 -46.08 | 46.73 1.26 -31.03 | 49.28 0.60 -41.40 | 47.73 0.17 -45.43 |
| BRANSCOMB___SOLAR 323811 | 68.43 0.20 -66.10 | 67.73 0.20 -65.41 | 65.69 0.20 -63.37 | 64.58 0.20 -62.27 | 65.70 0.20 -63.40 | 69.20 0.11 -67.84 | 79.50 0.45 -74.04 | 85.02 1.68 -63.83 | 103.94 0.82 -93.04 | 101.11 0.80 -90.53 | 72.25 0.53 -65.20 | 68.10 0.59 -60.45 | 63.34 0.63 -55.11 | 63.12 0.42 -57.47 | 61.54 0.62 -52.97 | 61.52 0.63 -52.89 | 62.40 0.66 -53.73 | 69.88 0.78 -59.41 | 81.12 0.86 -69.51 | 87.22 1.01 -73.47 | 79.34 1.12 -64.20 | 78.30 1.34 -62.52 | 65.63 0.67 -57.68 | 65.60 0.18 -63.29 |
| BROOKHAVEN___DRP 24191 | 90.45 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.68 2.48 -71.69 | 92.20 1.31 -80.81 | 92.15 1.25 -81.12 | 72.01 0.74 -64.75 | 72.01 0.82 -64.12 | 62.24 0.88 -53.75 | 61.54 0.62 -55.68 | 60.05 0.95 -51.15 | 60.53 0.95 -51.58 | 62.27 0.94 -53.32 | 74.37 1.13 -63.54 | 71.99 1.27 -59.97 | 90.89 1.44 -76.71 | 90.89 1.58 -75.29 | 78.16 1.65 -62.08 | 60.52 0.82 -52.42 | 57.71 0.24 -55.34 |
| BROOKLYN_NAVY_YARD 23515 | 50.53 0.17 -48.23 | 47.41 0.16 -45.13 | 48.00 0.16 -45.72 | 47.70 0.15 -45.43 | 47.83 0.15 -45.58 | 50.57 0.10 -49.22 | 59.49 0.47 -54.01 | 67.87 1.79 -46.57 | 69.29 0.98 -58.24 | 60.82 0.96 -50.08 | 54.73 0.65 -47.56 | 51.87 0.71 -44.10 | 48.58 0.78 -40.20 | 47.70 0.54 -41.93 | 47.43 0.83 -38.64 | 47.43 0.84 -38.59 | 47.99 0.80 -39.18 | 54.01 0.99 -43.32 | 62.53 1.10 -50.68 | 67.60 1.29 -53.58 | 62.23 1.40 -46.81 | 47.40 1.40 -31.56 | 50.00 0.67 -42.06 | 48.47 0.19 -46.15 |

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|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BROOKLYN___ARMY_DRP 323595 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| BROOME_2_LFGE 323671 | 18.91 0.09 -16.69 | 17.77 0.07 -15.58 | 18.00 0.07 -15.82 | 17.92 0.08 -15.73 | 17.93 0.06 -15.76 | 18.33 0.05 -17.03 | 23.97 0.27 -18.69 | 36.39 0.76 -16.12 | 30.41 0.34 -19.99 | 27.19 0.35 -17.06 | 23.22 0.24 -16.46 | 22.59 0.27 -15.26 | 21.83 0.31 -13.91 | 19.96 0.21 -14.51 | 21.63 0.30 -13.37 | 21.66 0.30 -13.36 | 21.88 0.30 -13.58 | 25.04 0.33 -15.01 | 28.72 0.41 -17.56 | 31.73 0.43 -18.57 | 30.70 0.46 -16.22 | 25.73 0.55 -10.74 | 22.13 0.28 -14.57 | 18.22 0.10 -15.99 |
| BROOME___LFGE 323600 | 18.91 0.09 -16.69 | 17.77 0.07 -15.58 | 18.00 0.07 -15.82 | 17.92 0.08 -15.73 | 17.93 0.06 -15.76 | 18.33 0.05 -17.03 | 23.97 0.27 -18.69 | 36.39 0.76 -16.12 | 30.41 0.34 -19.99 | 27.19 0.35 -17.06 | 23.22 0.24 -16.46 | 22.59 0.27 -15.26 | 21.83 0.31 -13.91 | 19.96 0.21 -14.51 | 21.63 0.30 -13.37 | 21.66 0.30 -13.36 | 21.88 0.30 -13.58 | 25.04 0.33 -15.01 | 28.72 0.41 -17.56 | 31.73 0.43 -18.57 | 30.70 0.46 -16.22 | 25.73 0.55 -10.74 | 22.13 0.28 -14.57 | 18.22 0.10 -15.99 |
| BURROWS___LYONSDAL 23803 | 2.17 0.04 0.00 | 1.69 0.03 0.46 | 2.05 0.03 0.09 | 2.15 0.03 0.00 | 2.01 0.03 0.12 | 1.23 0.02 0.05 | 5.16 0.15 0.00 | 20.15 0.64 0.00 | 8.67 0.29 1.70 | 7.22 0.26 2.82 | 6.70 0.18 0.00 | 7.25 0.19 0.00 | 7.79 0.19 0.00 | 5.36 0.13 0.00 | 8.12 0.17 0.00 | 8.16 0.16 0.00 | 8.99 0.16 -0.82 | 10.81 0.20 -0.91 | 12.22 0.21 -1.25 | 14.32 0.27 -1.32 | 15.48 0.31 -1.15 | 13.48 0.26 1.22 | 8.39 0.08 -1.04 | 3.29 0.02 -1.14 |
| CAITHNESS_CC_1 323624 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.24 -68.28 | 69.64 0.23 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.64 2.44 -71.69 | 92.18 1.29 -80.81 | 92.14 1.24 -81.12 | 72.02 0.76 -64.75 | 72.01 0.83 -64.12 | 62.25 0.89 -53.75 | 61.54 0.63 -55.68 | 60.06 0.95 -51.15 | 60.54 0.96 -51.58 | 62.28 0.94 -53.32 | 74.37 1.13 -63.54 | 71.99 1.27 -59.97 | 90.90 1.45 -76.71 | 90.89 1.58 -75.29 | 78.18 1.66 -62.08 | 60.52 0.82 -52.42 | 57.71 0.24 -55.34 |
| CALPINE BETH_PAGE_GT4 24209 | 90.43 0.23 -88.07 | 74.98 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.20 -72.67 | 86.55 0.13 -85.16 | 92.02 0.60 -86.42 | 93.44 2.24 -71.69 | 92.09 1.20 -80.81 | 92.08 1.18 -81.12 | 72.04 0.77 -64.75 | 72.03 0.85 -64.12 | 62.31 0.95 -53.75 | 61.58 0.66 -55.68 | 60.11 1.01 -51.15 | 60.59 1.02 -51.58 | 62.28 0.95 -53.32 | 74.39 1.15 -63.54 | 72.02 1.29 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.19 1.67 -62.08 | 60.57 0.87 -52.42 | 57.71 0.25 -55.34 |
| CALPINE_BETH_PAGE_GT_4 323586 | 90.43 0.23 -88.07 | 74.98 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.20 -72.67 | 86.55 0.13 -85.16 | 92.02 0.60 -86.42 | 93.44 2.24 -71.69 | 92.09 1.20 -80.81 | 92.08 1.18 -81.12 | 72.04 0.77 -64.75 | 72.03 0.85 -64.12 | 62.31 0.95 -53.75 | 61.58 0.66 -55.68 | 60.11 1.01 -51.15 | 60.59 1.02 -51.58 | 62.28 0.95 -53.32 | 74.39 1.15 -63.54 | 72.02 1.29 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.19 1.67 -62.08 | 60.57 0.87 -52.42 | 57.71 0.25 -55.34 |
| CALPINE_BP_GT1 23823 | 90.43 0.23 -88.07 | 74.98 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.20 -72.67 | 86.55 0.13 -85.16 | 92.02 0.60 -86.42 | 93.44 2.24 -71.69 | 92.09 1.20 -80.81 | 92.08 1.18 -81.12 | 72.04 0.77 -64.75 | 72.03 0.85 -64.12 | 62.31 0.95 -53.75 | 61.58 0.66 -55.68 | 60.11 1.01 -51.15 | 60.59 1.02 -51.58 | 62.28 0.95 -53.32 | 74.39 1.15 -63.54 | 72.02 1.29 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.19 1.67 -62.08 | 60.57 0.87 -52.42 | 57.71 0.25 -55.34 |
| CALSPAN___DRP 24200 | 11.57 0.14 -9.30 | 10.85 0.10 -8.63 | 11.01 0.09 -8.80 | 10.99 0.11 -8.76 | 10.94 0.07 -8.77 | 10.80 0.07 -9.48 | 15.82 0.40 -10.42 | 28.82 0.33 -8.98 | 21.14 0.10 -10.96 | 19.20 0.21 -9.21 | 15.87 0.18 -9.17 | 15.81 0.25 -8.50 | 15.71 0.35 -7.75 | 13.57 0.25 -8.09 | 15.71 0.31 -7.45 | 15.72 0.28 -7.44 | 15.82 0.24 -7.57 | 18.23 0.16 -8.37 | 20.78 0.25 -9.79 | 23.18 0.10 -10.34 | 23.13 0.07 -9.04 | 20.69 0.51 -5.74 | 15.75 0.36 -8.12 | 11.21 0.16 -8.91 |
| CANDIGU_WT_PWR 323617 | 13.89 0.12 -11.64 | 13.02 0.08 -10.82 | 13.21 0.08 -11.02 | 13.17 0.09 -10.97 | 13.15 0.06 -10.98 | 13.18 0.06 -11.87 | 18.39 0.35 -13.03 | 31.37 0.62 -11.24 | 24.10 0.24 -13.78 | 21.70 0.29 -11.63 | 18.20 0.20 -11.48 | 17.96 0.25 -10.64 | 17.62 0.31 -9.70 | 15.57 0.22 -10.12 | 17.56 0.29 -9.33 | 17.59 0.27 -9.31 | 17.74 0.27 -9.45 | 20.43 0.28 -10.45 | 23.34 0.37 -12.23 | 25.99 0.33 -12.93 | 25.65 0.34 -11.29 | 22.28 0.58 -7.26 | 17.74 0.32 -10.15 | 13.40 0.13 -11.13 |
| CARR STREET_E_SYR 24060 | 6.72 0.02 -4.58 | 6.16 0.01 -4.03 | 6.41 0.01 -4.29 | 6.44 0.01 -4.31 | 6.37 0.00 -4.26 | 5.91 0.01 -4.64 | 10.22 0.09 -5.12 | 24.16 0.23 -4.42 | 14.76 0.08 -4.60 | 13.09 0.10 -3.22 | 11.10 0.07 -4.51 | 11.32 0.08 -4.18 | 11.52 0.10 -3.81 | 9.28 0.07 -3.98 | 11.73 0.11 -3.67 | 11.77 0.11 -3.66 | 11.88 0.11 -3.76 | 13.96 0.11 -4.16 | 15.76 0.14 -4.86 | 18.01 0.13 -5.14 | 18.64 0.13 -4.49 | 16.26 0.16 -1.66 | 11.37 0.06 -4.04 | 6.58 0.02 -4.43 |
| CARTHAGE___PAPER 23857 | 4.28 -0.02 -2.18 | 4.01 -0.03 -1.92 | 4.13 -0.03 -2.04 | 4.14 -0.03 -2.06 | 4.10 -0.04 -2.03 | 3.45 -0.02 -2.21 | 7.46 0.01 -2.44 | 21.77 0.16 -2.11 | 12.32 0.05 -2.19 | 11.31 0.00 -1.53 | 8.65 -0.03 -2.15 | 8.98 -0.08 -1.99 | 9.31 -0.11 -1.82 | 7.04 -0.08 -1.90 | 9.55 -0.15 -1.75 | 9.58 -0.17 -1.75 | 9.76 -0.14 -1.88 | 11.69 -0.09 -2.08 | 13.10 0.05 -2.30 | 15.25 0.09 -2.43 | 16.28 0.14 -2.12 | 15.25 0.03 -0.78 | 9.13 -0.05 -1.90 | 4.20 -0.02 -2.09 |
| CASSADAGA_WT_PWR 323784 | 12.21 0.16 -9.92 | 11.35 0.02 -9.21 | 11.51 0.00 -9.39 | 11.59 0.12 -9.35 | 11.45 -0.01 -9.36 | 11.39 0.02 -10.12 | 16.57 0.45 -11.11 | 28.76 -0.33 -9.58 | 21.57 -0.21 -11.71 | 19.52 -0.11 -9.85 | 16.28 -0.03 -9.78 | 16.15 0.01 -9.07 | 15.97 0.10 -8.27 | 13.92 0.06 -8.63 | 15.97 0.07 -7.95 | 16.07 0.14 -7.94 | 16.20 0.17 -8.02 | 18.65 0.09 -8.86 | 21.26 0.14 -10.37 | 23.72 0.03 -10.96 | 23.54 -0.06 -9.58 | 20.85 0.30 -6.11 | 16.12 0.24 -8.60 | 11.70 0.13 -9.44 |
| CE_DUNWOOD___DRP 24194 | 50.47 0.17 -48.17 | 47.36 0.16 -45.08 | 47.94 0.16 -45.67 | 47.65 0.15 -45.38 | 47.77 0.15 -45.52 | 50.52 0.10 -49.17 | 59.41 0.45 -53.95 | 67.74 1.72 -46.52 | 69.18 0.93 -58.17 | 60.71 0.91 -50.03 | 54.65 0.62 -47.51 | 51.79 0.68 -44.05 | 48.50 0.74 -40.16 | 47.63 0.52 -41.88 | 47.34 0.79 -38.60 | 47.34 0.79 -38.54 | 47.92 0.77 -39.14 | 53.90 0.93 -43.27 | 62.42 1.04 -50.63 | 67.47 1.22 -53.52 | 62.11 1.33 -46.76 | 47.31 1.34 -31.52 | 49.92 0.63 -42.01 | 48.41 0.18 -46.10 |
| CE_MILLWOOD___DRP 24193 | 50.39 0.17 -48.09 | 47.28 0.16 -45.01 | 47.87 0.16 -45.59 | 47.57 0.15 -45.31 | 47.70 0.14 -45.45 | 50.44 0.09 -49.09 | 59.28 0.44 -53.84 | 67.59 1.66 -46.42 | 69.04 0.91 -58.06 | 60.60 0.89 -49.93 | 54.53 0.60 -47.41 | 51.68 0.66 -43.96 | 48.40 0.72 -40.07 | 47.53 0.51 -41.79 | 47.24 0.77 -38.52 | 47.26 0.78 -38.48 | 47.81 0.75 -39.06 | 53.79 0.91 -43.18 | 62.30 1.02 -50.52 | 67.34 1.20 -53.40 | 61.98 1.30 -46.66 | 47.21 1.31 -31.45 | 49.83 0.63 -41.92 | 48.31 0.17 -46.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| CE_NYC2_DRP 24202 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.49 0.20 -46.16 |
| CE_NYC_DRP 24195 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.32 1.00 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.90 0.74 -44.10 | 48.61 0.81 -40.20 | 47.72 0.57 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.02 -43.32 | 62.57 1.14 -50.68 | 67.64 1.32 -53.58 | 62.27 1.44 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| CHAFEE__LFGE 323603 | 11.83 0.15 -9.55 | 11.09 0.11 -8.87 | 11.25 0.09 -9.04 | 11.23 0.11 -9.00 | 11.18 0.07 -9.01 | 11.06 0.07 -9.74 | 16.11 0.40 -10.70 | 29.10 0.37 -9.22 | 21.45 0.11 -11.26 | 19.46 0.21 -9.47 | 16.12 0.18 -9.42 | 16.05 0.25 -8.73 | 15.92 0.36 -7.96 | 13.79 0.25 -8.31 | 15.91 0.30 -7.65 | 15.92 0.27 -7.64 | 16.03 0.24 -7.78 | 18.47 0.17 -8.60 | 21.07 0.26 -10.06 | 23.51 0.14 -10.63 | 23.40 0.10 -9.29 | 20.89 0.53 -5.91 | 15.99 0.37 -8.35 | 11.45 0.17 -9.16 |
| CHATEAUG_WT_PWR 323614 | 2.08 -0.04 0.00 | 1.89 -0.03 0.19 | 2.05 -0.03 0.04 | 2.09 -0.03 0.00 | 2.02 -0.04 0.05 | 1.21 -0.03 0.02 | 4.85 -0.16 0.00 | 19.02 -0.49 0.00 | 9.07 -0.29 0.72 | 8.19 -0.39 1.19 | 6.20 -0.32 0.00 | 6.67 -0.40 0.00 | 7.09 -0.52 0.00 | 4.85 -0.38 0.00 | 7.38 -0.57 0.00 | 7.43 -0.57 0.00 | 7.49 -0.52 0.00 | 9.19 -0.50 0.00 | 10.14 -0.61 0.00 | 12.18 -0.56 0.00 | 13.43 -0.59 0.00 | 13.69 -0.75 0.00 | 7.00 -0.28 0.00 | 1.99 -0.14 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 2.07 -0.05 0.00 | 1.88 -0.04 0.19 | 2.04 -0.04 0.04 | 2.08 -0.04 0.00 | 2.01 -0.04 0.05 | 1.20 -0.03 0.02 | 4.82 -0.19 0.00 | 18.94 -0.57 0.00 | 9.05 -0.31 0.72 | 8.20 -0.39 1.19 | 6.21 -0.31 0.00 | 6.68 -0.38 0.00 | 7.12 -0.49 0.00 | 4.87 -0.36 0.00 | 7.41 -0.54 0.00 | 7.46 -0.54 0.00 | 7.51 -0.50 0.00 | 9.19 -0.50 0.00 | 10.14 -0.61 0.00 | 12.15 -0.59 0.00 | 13.42 -0.60 0.00 | 13.69 -0.75 0.00 | 6.97 -0.31 0.00 | 2.00 -0.13 0.00 |
| CHAUTAUQUA__LFGE 323629 | 12.02 0.16 -9.74 | 11.24 0.08 -9.04 | 11.40 0.07 -9.21 | 11.41 0.12 -9.17 | 11.34 0.05 -9.18 | 11.24 0.06 -9.93 | 16.35 0.44 -10.90 | 29.18 0.27 -9.40 | 21.64 0.08 -11.48 | 19.61 0.18 -9.66 | 16.28 0.16 -9.60 | 16.18 0.22 -8.90 | 16.03 0.31 -8.11 | 13.92 0.22 -8.46 | 16.03 0.28 -7.80 | 16.07 0.28 -7.79 | 16.16 0.26 -7.89 | 18.61 0.19 -8.72 | 21.23 0.27 -10.20 | 23.69 0.17 -10.79 | 23.55 0.11 -9.43 | 20.98 0.53 -6.00 | 16.12 0.37 -8.47 | 11.59 0.16 -9.29 |
| CH_MIDHUDSON__DRP 24192 | 52.48 0.17 -50.18 | 49.65 0.16 -47.37 | 49.93 0.16 -47.65 | 49.55 0.15 -47.28 | 49.78 0.15 -47.53 | 52.61 0.10 -51.26 | 61.65 0.44 -56.20 | 69.62 1.66 -48.46 | 73.09 0.90 -62.11 | 65.26 0.87 -54.62 | 56.61 0.59 -49.49 | 53.57 0.62 -45.88 | 50.11 0.68 -41.83 | 49.33 0.47 -43.63 | 48.88 0.72 -40.21 | 48.87 0.72 -40.15 | 49.49 0.71 -40.77 | 55.64 0.86 -45.08 | 64.46 0.97 -52.74 | 69.62 1.13 -55.75 | 63.96 1.23 -48.71 | 50.72 1.24 -35.04 | 51.63 0.59 -43.76 | 50.32 0.16 -48.02 |
| CH_MISC_IPPS 23765 | 51.31 0.18 -49.01 | 48.38 0.17 -46.10 | 48.79 0.17 -46.50 | 48.45 0.16 -46.17 | 48.63 0.15 -46.37 | 51.40 0.10 -50.04 | 60.37 0.48 -54.88 | 68.62 1.79 -47.32 | 71.09 0.97 -60.05 | 63.05 0.94 -52.33 | 55.48 0.63 -48.33 | 52.53 0.66 -44.81 | 49.17 0.71 -40.85 | 48.33 0.50 -42.60 | 47.97 0.76 -39.27 | 47.97 0.76 -39.21 | 48.56 0.74 -39.81 | 54.63 0.91 -44.02 | 63.29 1.03 -51.50 | 68.39 1.21 -54.44 | 62.90 1.32 -47.57 | 49.09 1.31 -33.33 | 50.64 0.63 -42.74 | 49.20 0.17 -46.89 |
| CH_RES_BVR_FALLS 23983 | 0.11 -0.06 1.96 | -0.61 -0.06 2.68 | 0.04 -0.06 2.02 | 0.22 -0.06 1.84 | -0.02 -0.05 2.07 | -0.86 -0.03 2.09 | 2.67 -0.15 2.19 | 17.10 -0.53 1.89 | 4.31 -0.27 5.50 | 2.29 -0.26 7.23 | 4.41 -0.18 1.93 | 5.08 -0.20 1.79 | 5.75 -0.22 1.63 | 3.38 -0.15 1.70 | 6.16 -0.22 1.57 | 6.21 -0.22 1.57 | 6.32 -0.22 1.46 | 7.83 -0.25 1.62 | 8.59 -0.27 1.89 | 10.47 -0.27 2.00 | 11.98 -0.30 1.75 | 8.77 -0.33 5.34 | 5.55 -0.16 1.57 | 0.36 -0.05 1.72 |
| CH_RES_NIAGARA 23895 | 10.98 0.10 -8.76 | 10.30 0.05 -8.12 | 10.45 0.05 -8.29 | 10.43 0.06 -8.25 | 10.38 0.02 -8.26 | 10.22 0.04 -8.93 | 15.07 0.25 -9.81 | 27.64 -0.33 -8.46 | 20.15 -0.23 -10.30 | 18.34 -0.09 -8.65 | 15.13 -0.03 -8.64 | 15.11 0.04 -8.01 | 15.06 0.16 -7.30 | 12.97 0.13 -7.61 | 15.07 0.10 -7.02 | 15.07 0.06 -7.01 | 15.13 -0.01 -7.13 | 17.43 -0.15 -7.88 | 19.86 -0.11 -9.22 | 22.10 -0.38 -9.74 | 22.07 -0.46 -8.51 | 19.83 0.00 -5.39 | 15.06 0.14 -7.65 | 10.63 0.11 -8.39 |
| CH_RES_SYRACUSE 23985 | 7.74 0.05 -5.56 | 7.26 0.03 -5.10 | 7.40 0.03 -5.25 | 7.39 0.03 -5.24 | 7.36 0.03 -5.23 | 6.94 0.02 -5.67 | 11.38 0.15 -6.23 | 25.37 0.49 -5.37 | 16.62 0.20 -6.34 | 15.14 0.21 -5.16 | 12.14 0.14 -5.49 | 12.30 0.15 -5.09 | 12.42 0.18 -4.64 | 10.19 0.13 -4.84 | 12.60 0.19 -4.46 | 12.64 0.19 -4.45 | 12.76 0.20 -4.55 | 14.95 0.22 -5.03 | 16.90 0.27 -5.88 | 19.26 0.31 -6.22 | 19.77 0.32 -5.43 | 18.00 0.35 -3.21 | 12.30 0.15 -4.88 | 7.53 0.05 -5.35 |
| CLINTON_WT_PWR 323605 | 2.08 -0.04 0.00 | 1.89 -0.03 0.19 | 2.05 -0.03 0.04 | 2.09 -0.03 0.00 | 2.02 -0.04 0.05 | 1.21 -0.03 0.02 | 4.85 -0.16 0.00 | 19.02 -0.49 0.00 | 9.07 -0.29 0.72 | 8.19 -0.39 1.19 | 6.20 -0.32 0.00 | 6.67 -0.40 0.00 | 7.09 -0.52 0.00 | 4.85 -0.38 0.00 | 7.38 -0.57 0.00 | 7.43 -0.57 0.00 | 7.49 -0.52 0.00 | 9.19 -0.50 0.00 | 10.14 -0.61 0.00 | 12.18 -0.56 0.00 | 13.43 -0.59 0.00 | 13.69 -0.75 0.00 | 7.00 -0.28 0.00 | 1.99 -0.14 0.00 |
| CLINTON__LFGE 323618 | 2.12 0.00 0.00 | 1.92 0.00 0.19 | 2.08 0.00 0.04 | 2.12 0.00 0.00 | 2.05 -0.01 0.05 | 1.22 -0.01 0.02 | 4.93 -0.07 0.00 | 19.33 -0.18 0.00 | 9.23 -0.13 0.72 | 8.35 -0.23 1.19 | 6.30 -0.22 0.00 | 6.77 -0.30 0.00 | 7.19 -0.41 0.00 | 4.92 -0.31 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.39 -0.34 0.00 | 13.70 -0.32 0.00 | 13.94 -0.51 0.00 | 7.12 -0.16 0.00 | 2.03 -0.10 0.00 |
| COLONIE_LFGE__ 323577 | 66.59 0.16 -64.30 | 65.74 0.16 -63.46 | 63.90 0.16 -61.62 | 62.86 0.16 -60.58 | 63.90 0.16 -61.63 | 67.33 0.10 -65.98 | 77.42 0.39 -72.03 | 83.02 1.41 -62.10 | 100.67 0.73 -89.87 | 97.49 0.71 -87.00 | 70.43 0.48 -63.43 | 66.39 0.52 -58.81 | 61.79 0.57 -53.61 | 61.53 0.38 -55.92 | 60.05 0.56 -51.54 | 60.02 0.57 -51.45 | 60.87 0.58 -52.27 | 68.17 0.68 -57.79 | 79.13 0.76 -67.62 | 85.10 0.89 -71.48 | 77.45 0.98 -62.45 | 75.40 1.08 -59.88 | 63.94 0.55 -56.11 | 63.85 0.14 -61.57 |
| COPENHAGEN_WT_PWR 323753 | 4.85 0.00 -2.72 | 4.51 0.00 -2.40 | 4.66 -0.01 -2.55 | 4.68 -0.01 -2.56 | 4.63 -0.01 -2.53 | 4.01 0.00 -2.76 | 8.15 0.09 -3.05 | 22.59 0.45 -2.63 | 13.00 0.18 -2.74 | 11.82 0.13 -1.91 | 9.27 0.07 -2.68 | 9.58 0.03 -2.49 | 9.88 0.01 -2.27 | 7.60 0.01 -2.37 | 10.12 -0.01 -2.18 | 10.15 -0.02 -2.18 | 10.32 0.01 -2.31 | 12.31 0.07 -2.55 | 13.83 0.20 -2.87 | 16.01 0.24 -3.03 | 16.98 0.31 -2.65 | 15.64 0.22 -0.98 | 9.69 0.03 -2.38 | 4.75 0.00 -2.61 |

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|---------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| CORNELL____ 23752 | 13.18 0.10 -10.95 | 12.36 0.09 -10.15 | 12.56 0.08 -10.36 | 12.52 0.09 -10.31 | 12.50 0.08 -10.32 | 12.47 0.06 -11.16 | 17.58 0.32 -12.26 | 31.17 1.09 -10.57 | 23.44 0.49 -12.86 | 21.04 0.48 -10.78 | 17.63 0.31 -10.80 | 17.40 0.33 -10.01 | 17.10 0.37 -9.12 | 15.00 0.26 -9.52 | 17.08 0.36 -8.77 | 17.11 0.35 -8.76 | 17.29 0.37 -8.92 | 20.01 0.46 -9.86 | 22.85 0.57 -11.53 | 25.59 0.66 -12.19 | 25.38 0.71 -10.65 | 21.95 0.76 -6.74 | 17.20 0.35 -9.57 | 12.74 0.11 -10.50 |
| COXSACKIE____GT 23611 | 54.77 0.22 -52.42 | 52.41 0.22 -50.07 | 52.23 0.21 -49.90 | 51.71 0.21 -49.38 | 52.12 0.20 -49.81 | 55.00 0.13 -53.61 | 64.28 0.57 -58.71 | 72.26 2.13 -50.62 | 78.26 1.10 -67.08 | 71.52 1.05 -60.70 | 58.91 0.69 -51.70 | 55.66 0.67 -47.93 | 52.03 0.73 -43.70 | 51.30 0.50 -45.57 | 50.70 0.75 -42.00 | 50.70 0.76 -41.94 | 51.35 0.75 -42.59 | 57.71 0.92 -47.09 | 66.90 1.05 -55.10 | 72.22 1.25 -58.24 | 66.24 1.33 -50.89 | 55.61 1.36 -39.81 | 53.68 0.68 -45.72 | 52.48 0.18 -50.17 |
| CPV_VALLEY____CC1 323721 | 47.08 0.13 -44.82 | 44.15 0.12 -41.91 | 44.72 0.12 -42.48 | 44.46 0.12 -42.22 | 44.57 0.11 -42.35 | 47.07 0.08 -45.74 | 55.55 0.35 -50.19 | 64.11 1.33 -43.27 | 64.79 0.72 -54.00 | 56.82 0.70 -46.34 | 51.20 0.48 -44.20 | 48.56 0.52 -40.98 | 45.53 0.57 -37.36 | 44.59 0.40 -38.96 | 44.46 0.60 -35.91 | 44.47 0.61 -35.86 | 45.00 0.58 -36.41 | 50.67 0.72 -40.25 | 58.65 0.80 -47.10 | 63.45 0.93 -49.79 | 58.53 1.01 -43.50 | 44.63 1.04 -29.15 | 46.85 0.49 -39.08 | 45.15 0.14 -42.88 |
| CPV_VALLEY____CC2 323722 | 47.08 0.13 -44.82 | 44.15 0.12 -41.91 | 44.72 0.12 -42.48 | 44.46 0.12 -42.22 | 44.57 0.11 -42.35 | 47.07 0.08 -45.74 | 55.55 0.35 -50.19 | 64.11 1.33 -43.27 | 64.79 0.72 -54.00 | 56.82 0.70 -46.34 | 51.20 0.48 -44.20 | 48.56 0.52 -40.98 | 45.53 0.57 -37.36 | 44.59 0.40 -38.96 | 44.46 0.60 -35.91 | 44.47 0.61 -35.86 | 45.00 0.58 -36.41 | 50.67 0.72 -40.25 | 58.65 0.80 -47.10 | 63.45 0.93 -49.79 | 58.53 1.01 -43.50 | 44.63 1.04 -29.15 | 46.85 0.49 -39.08 | 45.15 0.14 -42.88 |
| CRESCENT____HYD 24018 | 66.59 0.16 -64.30 | 65.74 0.16 -63.46 | 63.90 0.16 -61.62 | 62.86 0.16 -60.58 | 63.90 0.16 -61.63 | 67.33 0.10 -65.98 | 77.42 0.39 -72.03 | 83.02 1.41 -62.10 | 100.67 0.73 -89.87 | 97.49 0.71 -87.00 | 70.43 0.48 -63.43 | 66.39 0.52 -58.81 | 61.79 0.57 -53.61 | 61.53 0.38 -55.92 | 60.05 0.56 -51.54 | 60.02 0.57 -51.45 | 60.87 0.58 -52.27 | 68.17 0.68 -57.79 | 79.13 0.76 -67.62 | 85.10 0.89 -71.48 | 77.45 0.98 -62.45 | 75.40 1.08 -59.88 | 63.94 0.55 -56.11 | 63.85 0.14 -61.57 |
| CRICKET____VALLEY_CC1 323756 | 52.16 0.13 -49.90 | 49.10 0.13 -46.85 | 49.58 0.13 -47.34 | 49.25 0.12 -47.01 | 49.42 0.12 -47.20 | 52.28 0.08 -50.95 | 61.23 0.34 -55.88 | 68.92 1.23 -48.18 | 71.59 0.69 -60.82 | 63.21 0.68 -52.75 | 56.20 0.47 -49.21 | 53.20 0.51 -45.62 | 49.75 0.55 -41.60 | 49.00 0.39 -43.38 | 48.52 0.59 -39.98 | 48.52 0.59 -39.93 | 49.13 0.58 -40.54 | 55.20 0.68 -44.82 | 63.96 0.76 -52.44 | 69.05 0.88 -55.43 | 63.42 0.97 -48.43 | 48.89 0.98 -33.47 | 51.26 0.47 -43.52 | 50.01 0.13 -47.75 |
| CRICKET____VALLEY_CC2 323757 | 52.16 0.13 -49.90 | 49.10 0.13 -46.85 | 49.58 0.13 -47.34 | 49.25 0.12 -47.01 | 49.42 0.12 -47.20 | 52.28 0.08 -50.95 | 61.23 0.34 -55.88 | 68.92 1.23 -48.18 | 71.59 0.69 -60.82 | 63.21 0.68 -52.75 | 56.20 0.47 -49.21 | 53.20 0.51 -45.62 | 49.75 0.55 -41.60 | 49.00 0.39 -43.38 | 48.52 0.59 -39.98 | 48.52 0.59 -39.93 | 49.13 0.58 -40.54 | 55.20 0.68 -44.82 | 63.96 0.76 -52.44 | 69.05 0.88 -55.43 | 63.42 0.97 -48.43 | 48.89 0.98 -33.47 | 51.26 0.47 -43.52 | 50.01 0.13 -47.75 |
| CRICKET____VALLEY_CC3 323758 | 52.16 0.13 -49.90 | 49.10 0.13 -46.85 | 49.58 0.13 -47.34 | 49.25 0.12 -47.01 | 49.42 0.12 -47.20 | 52.28 0.08 -50.95 | 61.23 0.34 -55.88 | 68.92 1.23 -48.18 | 71.59 0.69 -60.82 | 63.21 0.68 -52.75 | 56.20 0.47 -49.21 | 53.20 0.51 -45.62 | 49.75 0.55 -41.60 | 49.00 0.39 -43.38 | 48.52 0.59 -39.98 | 48.52 0.59 -39.93 | 49.13 0.58 -40.54 | 55.20 0.68 -44.82 | 63.96 0.76 -52.44 | 69.05 0.88 -55.43 | 63.42 0.97 -48.43 | 48.89 0.98 -33.47 | 51.26 0.47 -43.52 | 50.01 0.13 -47.75 |
| CRUCIBLE_METL_DRP 24180 | 7.74 0.05 -5.56 | 7.26 0.03 -5.10 | 7.40 0.03 -5.25 | 7.39 0.03 -5.24 | 7.36 0.03 -5.23 | 6.94 0.02 -5.67 | 11.38 0.15 -6.23 | 25.37 0.49 -5.37 | 16.62 0.20 -6.34 | 15.14 0.21 -5.16 | 12.14 0.14 -5.49 | 12.30 0.15 -5.09 | 12.42 0.18 -4.64 | 10.19 0.13 -4.84 | 12.60 0.19 -4.46 | 12.64 0.19 -4.45 | 12.76 0.20 -4.55 | 14.95 0.22 -5.03 | 16.90 0.27 -5.88 | 19.26 0.31 -6.22 | 19.77 0.32 -5.43 | 18.00 0.35 -3.21 | 12.30 0.15 -4.88 | 7.53 0.05 -5.35 |
| DAHOWA____HYDRO 323763 | 68.73 0.21 -66.39 | 68.05 0.21 -65.73 | 65.98 0.21 -63.66 | 64.87 0.21 -62.55 | 66.00 0.21 -63.69 | 69.51 0.11 -68.15 | 79.83 0.46 -74.37 | 85.36 1.74 -64.12 | 104.46 0.84 -93.55 | 101.67 0.81 -91.08 | 72.54 0.53 -65.49 | 68.38 0.60 -60.71 | 63.60 0.64 -55.35 | 63.38 0.42 -57.73 | 61.79 0.63 -53.21 | 61.76 0.63 -53.12 | 62.65 0.66 -53.97 | 70.15 0.79 -59.67 | 81.45 0.88 -69.82 | 87.57 1.03 -73.80 | 79.65 1.15 -64.48 | 78.77 1.40 -62.93 | 65.91 0.70 -57.93 | 65.89 0.19 -63.57 |
| DANC____LFGE 323619 | 5.48 0.01 -3.35 | 5.07 0.00 -2.95 | 5.25 0.00 -3.14 | 5.27 0.00 -3.15 | 5.21 -0.01 -3.11 | 4.65 0.00 -3.40 | 8.86 0.10 -3.75 | 23.15 0.41 -3.23 | 13.60 0.16 -3.36 | 12.26 0.13 -2.35 | 9.89 0.07 -3.30 | 10.17 0.05 -3.06 | 10.44 0.05 -2.79 | 8.17 0.03 -2.91 | 10.67 0.04 -2.68 | 10.71 0.03 -2.68 | 10.86 0.06 -2.79 | 12.88 0.10 -3.09 | 14.49 0.20 -3.54 | 16.70 0.23 -3.74 | 17.56 0.28 -3.27 | 15.87 0.22 -1.21 | 10.26 0.04 -2.93 | 5.36 0.01 -3.22 |
| DANSKAMMER____1 23586 | 51.31 0.18 -49.01 | 48.38 0.17 -46.10 | 48.79 0.17 -46.50 | 48.45 0.16 -46.17 | 48.63 0.15 -46.37 | 51.40 0.10 -50.04 | 60.37 0.48 -54.88 | 68.62 1.79 -47.32 | 71.09 0.97 -60.05 | 63.05 0.94 -52.33 | 55.48 0.63 -48.33 | 52.53 0.66 -44.81 | 49.17 0.71 -40.85 | 48.33 0.50 -42.60 | 47.97 0.76 -39.27 | 47.97 0.76 -39.21 | 48.56 0.74 -39.81 | 54.63 0.91 -44.02 | 63.29 1.03 -51.50 | 68.39 1.21 -54.44 | 62.90 1.32 -47.57 | 49.09 1.31 -33.33 | 50.64 0.63 -42.74 | 49.20 0.17 -46.89 |
| DANSKAMMER____2 23589 | 51.31 0.18 -49.01 | 48.38 0.17 -46.10 | 48.79 0.17 -46.50 | 48.45 0.16 -46.17 | 48.63 0.15 -46.37 | 51.40 0.10 -50.04 | 60.37 0.48 -54.88 | 68.62 1.79 -47.32 | 71.09 0.97 -60.05 | 63.05 0.94 -52.33 | 55.48 0.63 -48.33 | 52.53 0.66 -44.81 | 49.17 0.71 -40.85 | 48.33 0.50 -42.60 | 47.97 0.76 -39.27 | 47.97 0.76 -39.21 | 48.56 0.74 -39.81 | 54.63 0.91 -44.02 | 63.29 1.03 -51.50 | 68.39 1.21 -54.44 | 62.90 1.32 -47.57 | 49.09 1.31 -33.33 | 50.64 0.63 -42.74 | 49.20 0.17 -46.89 |
| DANSKAMMER____3 23590 | 51.31 0.18 -49.01 | 48.38 0.17 -46.10 | 48.79 0.17 -46.50 | 48.45 0.16 -46.17 | 48.63 0.15 -46.37 | 51.40 0.10 -50.04 | 60.37 0.48 -54.88 | 68.62 1.79 -47.32 | 71.09 0.97 -60.05 | 63.05 0.94 -52.33 | 55.48 0.63 -48.33 | 52.53 0.66 -44.81 | 49.17 0.71 -40.85 | 48.33 0.50 -42.60 | 47.97 0.76 -39.27 | 47.97 0.76 -39.21 | 48.56 0.74 -39.81 | 54.63 0.91 -44.02 | 63.29 1.03 -51.50 | 68.39 1.21 -54.44 | 62.90 1.32 -47.57 | 49.09 1.31 -33.33 | 50.64 0.63 -42.74 | 49.20 0.17 -46.89 |
| DANSKAMMER____4 23591 | 51.31 0.18 -49.01 | 48.38 0.17 -46.10 | 48.79 0.17 -46.50 | 48.45 0.16 -46.17 | 48.63 0.15 -46.37 | 51.40 0.10 -50.04 | 60.37 0.48 -54.88 | 68.62 1.79 -47.32 | 71.09 0.97 -60.05 | 63.05 0.94 -52.33 | 55.48 0.63 -48.33 | 52.53 0.66 -44.81 | 49.17 0.71 -40.85 | 48.33 0.50 -42.60 | 47.97 0.76 -39.27 | 47.97 0.76 -39.21 | 48.56 0.74 -39.81 | 54.63 0.91 -44.02 | 63.29 1.03 -51.50 | 68.39 1.21 -54.44 | 62.90 1.32 -47.57 | 49.09 1.31 -33.33 | 50.64 0.63 -42.74 | 49.20 0.17 -46.89 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| DANSKAMMER___DIESEL 23592 | 51.31 0.18 -49.01 | 48.38 0.17 -46.10 | 48.79 0.17 -46.50 | 48.45 0.16 -46.17 | 48.63 0.15 -46.37 | 51.40 0.10 -50.04 | 60.37 0.48 -54.88 | 68.62 1.79 -47.32 | 71.09 0.97 -60.05 | 63.05 0.94 -52.33 | 55.48 0.63 -48.33 | 52.53 0.66 -44.81 | 49.17 0.71 -40.85 | 48.33 0.50 -42.60 | 47.97 0.76 -39.27 | 47.97 0.76 -39.21 | 48.56 0.74 -39.81 | 54.63 0.91 -44.02 | 63.29 1.03 -51.50 | 68.39 1.21 -54.44 | 62.90 1.32 -47.57 | 49.09 1.31 -33.33 | 50.64 0.63 -42.74 | 49.20 0.17 -46.89 |
| DASHVILLE___HYD 23610 | 51.49 0.18 -49.18 | 48.76 0.17 -46.47 | 49.00 0.17 -46.71 | 48.61 0.17 -46.33 | 48.85 0.16 -46.59 | 51.60 0.11 -50.24 | 60.58 0.51 -55.07 | 68.93 1.93 -47.48 | 72.15 1.03 -61.04 | 64.59 1.00 -53.82 | 55.69 0.67 -48.50 | 52.70 0.67 -44.96 | 49.33 0.73 -40.99 | 48.49 0.51 -42.75 | 48.12 0.77 -39.40 | 48.12 0.78 -39.35 | 48.71 0.75 -39.95 | 54.81 0.94 -44.17 | 63.50 1.06 -51.68 | 68.63 1.26 -54.63 | 63.10 1.35 -47.73 | 50.38 1.34 -34.60 | 50.79 0.63 -42.89 | 49.36 0.17 -47.06 |
| DELAWARE___LFGE 323621 | 24.29 0.10 -22.06 | 23.40 0.10 -21.18 | 23.23 0.09 -21.02 | 23.00 0.10 -20.78 | 23.18 0.09 -20.99 | 23.89 0.06 -22.58 | 30.01 0.30 -24.71 | 41.87 1.05 -21.30 | 39.25 0.53 -28.64 | 36.51 0.52 -26.22 | 28.63 0.35 -21.76 | 27.63 0.40 -20.17 | 26.42 0.43 -18.39 | 24.71 0.30 -19.18 | 26.07 0.44 -17.68 | 26.09 0.43 -17.65 | 26.36 0.42 -17.94 | 30.03 0.50 -19.83 | 34.53 0.58 -23.20 | 37.92 0.66 -24.53 | 36.18 0.73 -21.43 | 32.58 0.76 -17.38 | 26.89 0.36 -19.25 | 23.37 0.11 -21.13 |
| DOGLEVILLE___HYD 23807 | 2.18 0.06 0.00 | 1.46 0.05 0.71 | 2.02 0.05 0.14 | 2.17 0.05 0.00 | 1.97 0.05 0.19 | 1.21 0.03 0.08 | 5.14 0.13 0.00 | 20.00 0.49 0.00 | 7.69 0.24 2.63 | 5.65 0.23 4.36 | 6.69 0.17 0.00 | 7.26 0.20 0.00 | 7.80 0.20 0.00 | 5.37 0.14 0.00 | 8.17 0.22 0.00 | 8.23 0.23 0.00 | 8.24 0.23 0.00 | 9.98 0.28 0.00 | 11.07 0.32 0.00 | 13.12 0.38 0.00 | 14.45 0.44 0.00 | 12.25 0.49 2.69 | 7.51 0.23 0.00 | 2.20 0.07 0.00 |
| DUNKIRK___1 23563 | 12.01 0.16 -9.72 | 11.23 0.09 -9.02 | 11.40 0.08 -9.20 | 11.40 0.12 -9.16 | 11.33 0.05 -9.17 | 11.23 0.06 -9.91 | 16.33 0.44 -10.89 | 29.21 0.31 -9.39 | 21.64 0.10 -11.46 | 19.62 0.20 -9.64 | 16.28 0.17 -9.59 | 16.18 0.23 -8.89 | 16.03 0.33 -8.10 | 13.92 0.24 -8.45 | 16.03 0.29 -7.79 | 16.07 0.29 -7.78 | 16.15 0.26 -7.88 | 18.61 0.20 -8.71 | 21.22 0.28 -10.19 | 23.67 0.17 -10.77 | 23.56 0.13 -9.41 | 20.99 0.55 -6.00 | 16.11 0.38 -8.46 | 11.58 0.17 -9.28 |
| DUNKIRK___2 23564 | 12.01 0.16 -9.72 | 11.23 0.09 -9.02 | 11.40 0.08 -9.20 | 11.40 0.12 -9.16 | 11.33 0.05 -9.17 | 11.23 0.06 -9.91 | 16.33 0.44 -10.89 | 29.21 0.31 -9.39 | 21.64 0.10 -11.46 | 19.62 0.20 -9.64 | 16.28 0.17 -9.59 | 16.18 0.23 -8.89 | 16.03 0.33 -8.10 | 13.92 0.24 -8.45 | 16.03 0.29 -7.79 | 16.07 0.29 -7.78 | 16.15 0.26 -7.88 | 18.61 0.20 -8.71 | 21.22 0.28 -10.19 | 23.67 0.17 -10.77 | 23.56 0.13 -9.41 | 20.99 0.55 -6.00 | 16.11 0.38 -8.46 | 11.58 0.17 -9.28 |
| DUNKIRK___3 23565 | 11.85 0.15 -9.58 | 11.10 0.09 -8.89 | 11.26 0.08 -9.06 | 11.26 0.12 -9.02 | 11.20 0.06 -9.03 | 11.08 0.06 -9.77 | 16.14 0.41 -10.72 | 29.11 0.35 -9.25 | 21.48 0.11 -11.29 | 19.48 0.21 -9.49 | 16.13 0.17 -9.44 | 16.05 0.23 -8.76 | 15.92 0.33 -7.98 | 13.79 0.24 -8.33 | 15.92 0.29 -7.67 | 15.94 0.28 -7.66 | 16.04 0.25 -7.78 | 18.48 0.18 -8.60 | 21.08 0.27 -10.06 | 23.51 0.14 -10.64 | 23.42 0.11 -9.30 | 20.88 0.52 -5.92 | 15.99 0.36 -8.35 | 11.46 0.16 -9.16 |
| DUNKIRK___4 23566 | 11.85 0.15 -9.58 | 11.10 0.09 -8.89 | 11.26 0.08 -9.06 | 11.26 0.12 -9.02 | 11.20 0.06 -9.03 | 11.08 0.06 -9.77 | 16.14 0.41 -10.72 | 29.11 0.35 -9.25 | 21.48 0.11 -11.29 | 19.48 0.21 -9.49 | 16.13 0.17 -9.44 | 16.05 0.23 -8.76 | 15.92 0.33 -7.98 | 13.79 0.24 -8.33 | 15.92 0.29 -7.67 | 15.94 0.28 -7.66 | 16.04 0.25 -7.78 | 18.48 0.18 -8.60 | 21.08 0.27 -10.06 | 23.51 0.14 -10.64 | 23.42 0.11 -9.30 | 20.88 0.52 -5.92 | 15.99 0.36 -8.35 | 11.46 0.16 -9.16 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 50.53 0.17 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.23 | 59.48 0.46 -54.01 | 67.84 1.76 -46.57 | 69.27 0.95 -58.24 | 60.80 0.94 -50.08 | 54.72 0.64 -47.57 | 51.86 0.70 -44.10 | 48.57 0.76 -40.20 | 47.69 0.53 -41.93 | 47.41 0.81 -38.65 | 47.41 0.82 -38.59 | 47.99 0.79 -39.18 | 53.99 0.97 -43.32 | 62.51 1.08 -50.69 | 67.57 1.26 -53.58 | 62.21 1.37 -46.81 | 47.39 1.39 -31.56 | 49.99 0.66 -42.06 | 48.47 0.18 -46.15 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 50.18 0.16 -47.89 | 47.24 0.15 -44.97 | 47.70 0.15 -45.43 | 47.38 0.15 -45.12 | 47.55 0.14 -45.30 | 50.25 0.09 -48.90 | 59.08 0.44 -53.64 | 67.41 1.66 -46.24 | 69.35 0.89 -58.38 | 61.28 0.86 -50.65 | 54.34 0.59 -47.23 | 51.47 0.61 -43.79 | 48.20 0.67 -39.92 | 47.33 0.47 -41.64 | 47.03 0.71 -38.38 | 47.04 0.71 -38.32 | 47.61 0.69 -38.91 | 53.57 0.85 -43.02 | 62.04 0.96 -50.33 | 67.06 1.12 -53.20 | 61.72 1.22 -46.49 | 47.81 1.23 -32.14 | 49.63 0.58 -41.77 | 48.12 0.16 -45.83 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.16 -45.59 | 50.59 0.11 -49.23 | 59.48 0.47 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.83 0.98 -50.08 | 54.74 0.67 -47.56 | 51.89 0.73 -44.09 | 48.61 0.81 -40.20 | 47.71 0.56 -41.92 | 47.45 0.86 -38.64 | 47.45 0.86 -38.58 | 48.01 0.83 -39.17 | 54.03 1.02 -43.31 | 62.57 1.14 -50.68 | 67.62 1.31 -53.57 | 62.27 1.44 -46.81 | 47.42 1.43 -31.55 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| EAST HAMPTON___GT 23717 | 90.51 0.31 -88.07 | 75.06 0.30 -72.64 | 70.71 0.31 -68.28 | 69.71 0.30 -67.29 | 75.06 0.29 -72.67 | 86.60 0.18 -85.16 | 92.24 0.81 -86.42 | 94.36 3.16 -71.69 | 92.54 1.65 -80.81 | 92.48 1.58 -81.12 | 72.21 0.95 -64.75 | 72.23 1.04 -64.12 | 62.47 1.11 -53.75 | 61.69 0.78 -55.68 | 60.27 1.17 -51.15 | 60.75 1.18 -51.58 | 62.50 1.17 -53.32 | 74.67 1.43 -63.54 | 72.34 1.61 -59.97 | 91.31 1.86 -76.71 | 91.35 2.05 -75.29 | 78.61 2.09 -62.08 | 60.73 1.03 -52.42 | 57.77 0.30 -55.34 |
| EAST RIVER___6 23660 | 50.53 0.17 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.15 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.49 0.47 -54.01 | 67.89 1.81 -46.57 | 69.31 0.99 -58.24 | 60.83 0.97 -50.08 | 54.74 0.66 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| EAST RIVER___7 23524 | 50.53 0.17 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.15 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.49 0.47 -54.01 | 67.89 1.81 -46.57 | 69.31 0.99 -58.24 | 60.83 0.97 -50.08 | 54.74 0.66 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 50.47 0.17 -48.17 | 47.36 0.16 -45.08 | 47.94 0.16 -45.67 | 47.65 0.15 -45.38 | 47.77 0.15 -45.52 | 50.52 0.10 -49.17 | 59.41 0.45 -53.95 | 67.74 1.72 -46.52 | 69.18 0.93 -58.17 | 60.71 0.91 -50.03 | 54.65 0.62 -47.51 | 51.79 0.68 -44.05 | 48.50 0.74 -40.16 | 47.63 0.52 -41.88 | 47.34 0.79 -38.60 | 47.34 0.79 -38.54 | 47.92 0.77 -39.14 | 53.90 0.93 -43.27 | 62.42 1.04 -50.63 | 67.47 1.22 -53.52 | 62.11 1.33 -46.76 | 47.31 1.34 -31.52 | 49.92 0.63 -42.01 | 48.41 0.18 -46.10 |

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|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| EAST_HAMPTON___DIESEL 23722 | 90.51 0.31 -88.07 | 75.07 0.30 -72.64 | 70.71 0.31 -68.28 | 69.71 0.30 -67.29 | 75.06 0.29 -72.67 | 86.60 0.18 -85.16 | 92.24 0.81 -86.42 | 94.36 3.16 -71.69 | 92.54 1.65 -80.81 | 92.48 1.58 -81.12 | 72.21 0.95 -64.75 | 72.23 1.04 -64.12 | 62.47 1.11 -53.75 | 61.69 0.78 -55.68 | 60.28 1.18 -51.15 | 60.75 1.18 -51.58 | 62.51 1.18 -53.32 | 74.67 1.43 -63.54 | 72.34 1.61 -59.97 | 91.31 1.86 -76.71 | 91.35 2.05 -75.29 | 78.61 2.09 -62.08 | 60.73 1.03 -52.42 | 57.77 0.30 -55.34 |
| EAST_RIVER___1 323558 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.91 1.83 -46.57 | 69.32 1.00 -58.24 | 60.84 0.98 -50.08 | 54.75 0.67 -47.56 | 51.90 0.74 -44.10 | 48.61 0.81 -40.20 | 47.72 0.57 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.02 -43.32 | 62.57 1.14 -50.68 | 67.64 1.32 -53.58 | 62.27 1.44 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| EAST_RIVER___2 323559 | 50.53 0.17 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.15 -45.43 | 47.83 0.15 -45.58 | 50.58 0.10 -49.22 | 59.49 0.47 -54.01 | 67.89 1.81 -46.57 | 69.31 0.99 -58.24 | 60.83 0.97 -50.08 | 54.74 0.66 -47.56 | 51.89 0.73 -44.10 | 48.60 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.86 -38.64 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.02 1.01 -43.32 | 62.56 1.13 -50.68 | 67.62 1.31 -53.58 | 62.26 1.43 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| EAST___DELAWARE_HYD 23607 | 48.13 0.19 -45.82 | 45.35 0.18 -43.06 | 45.76 0.17 -43.47 | 45.45 0.17 -43.16 | 45.61 0.16 -43.35 | 48.14 0.11 -46.78 | 56.82 0.51 -51.31 | 65.68 1.93 -44.24 | 67.10 1.02 -56.00 | 59.46 0.98 -48.70 | 52.37 0.67 -45.18 | 49.61 0.66 -41.89 | 46.51 0.71 -38.19 | 45.56 0.50 -39.83 | 45.41 0.76 -36.71 | 45.42 0.76 -36.66 | 45.97 0.74 -37.22 | 51.77 0.92 -41.15 | 59.94 1.04 -48.15 | 64.87 1.23 -50.89 | 59.82 1.33 -44.47 | 46.74 1.33 -30.97 | 47.86 0.63 -39.95 | 46.14 0.17 -43.84 |
| ELEC_TRO_TEK 24086 | 90.43 0.23 -88.07 | 74.98 0.22 -72.64 | 70.61 0.22 -68.28 | 69.61 0.21 -67.29 | 74.97 0.20 -72.67 | 86.55 0.13 -85.16 | 92.01 0.58 -86.42 | 93.41 2.20 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.03 0.76 -64.75 | 72.03 0.84 -64.12 | 62.28 0.92 -53.75 | 61.55 0.64 -55.68 | 60.07 0.97 -51.15 | 60.55 0.98 -51.58 | 62.28 0.94 -53.32 | 74.38 1.14 -63.54 | 72.02 1.29 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.19 1.67 -62.08 | 60.52 0.82 -52.42 | 57.70 0.23 -55.34 |
| ELLENBURG_WT_PWR 323604 | 2.08 -0.04 0.00 | 1.89 -0.03 0.19 | 2.05 -0.03 0.04 | 2.09 -0.03 0.00 | 2.02 -0.04 0.05 | 1.21 -0.03 0.02 | 4.85 -0.16 0.00 | 19.02 -0.49 0.00 | 9.07 -0.29 0.72 | 8.19 -0.39 1.19 | 6.20 -0.32 0.00 | 6.67 -0.40 0.00 | 7.09 -0.52 0.00 | 4.85 -0.38 0.00 | 7.38 -0.57 0.00 | 7.43 -0.57 0.00 | 7.49 -0.52 0.00 | 9.19 -0.50 0.00 | 10.14 -0.61 0.00 | 12.18 -0.56 0.00 | 13.43 -0.59 0.00 | 13.69 -0.75 0.00 | 7.00 -0.28 0.00 | 1.99 -0.14 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 11.36 0.13 -9.11 | 10.65 0.09 -8.45 | 10.81 0.08 -8.62 | 10.79 0.10 -8.58 | 10.74 0.05 -8.59 | 10.60 0.06 -9.29 | 15.56 0.36 -10.20 | 28.48 0.18 -8.79 | 20.82 0.02 -10.72 | 18.92 0.14 -9.00 | 15.62 0.12 -8.98 | 15.59 0.20 -8.33 | 15.50 0.30 -7.59 | 13.37 0.22 -7.92 | 15.50 0.25 -7.30 | 15.51 0.22 -7.29 | 15.60 0.18 -7.41 | 17.97 0.09 -8.19 | 20.49 0.16 -9.58 | 22.84 -0.03 -10.13 | 22.80 -0.07 -8.85 | 20.43 0.37 -5.62 | 15.53 0.30 -7.95 | 11.00 0.15 -8.72 |
| EMPIRE_CC_1 323656 | 61.12 0.12 -58.87 | 59.50 0.12 -57.26 | 58.48 0.12 -56.24 | 57.70 0.12 -55.46 | 58.42 0.12 -56.20 | 61.65 0.08 -60.32 | 71.26 0.30 -65.96 | 77.45 1.07 -56.87 | 89.81 0.58 -79.15 | 84.82 0.59 -74.46 | 65.01 0.40 -58.08 | 61.34 0.43 -53.85 | 57.18 0.48 -49.09 | 56.75 0.32 -51.20 | 55.63 0.49 -47.19 | 55.60 0.50 -47.11 | 56.36 0.50 -47.86 | 63.17 0.56 -52.91 | 73.30 0.65 -61.91 | 78.89 0.71 -65.44 | 71.98 0.78 -57.18 | 65.54 0.84 -50.26 | 59.06 0.41 -51.37 | 58.61 0.11 -56.37 |
| EMPIRE_CC_2 323658 | 61.12 0.12 -58.87 | 59.50 0.12 -57.26 | 58.48 0.12 -56.24 | 57.70 0.12 -55.46 | 58.42 0.12 -56.20 | 61.65 0.08 -60.32 | 71.26 0.30 -65.96 | 77.45 1.07 -56.87 | 89.81 0.58 -79.15 | 84.82 0.59 -74.46 | 65.01 0.40 -58.08 | 61.34 0.43 -53.85 | 57.18 0.48 -49.09 | 56.75 0.32 -51.20 | 55.63 0.49 -47.19 | 55.60 0.50 -47.11 | 56.36 0.50 -47.86 | 63.17 0.56 -52.91 | 73.30 0.65 -61.91 | 78.89 0.71 -65.44 | 71.98 0.78 -57.18 | 65.54 0.84 -50.26 | 59.06 0.41 -51.37 | 58.61 0.11 -56.37 |
| ERIE_WT_PWR 323693 | 11.57 0.15 -9.30 | 10.85 0.10 -8.63 | 11.01 0.09 -8.80 | 10.99 0.11 -8.76 | 10.94 0.07 -8.77 | 10.80 0.40 -9.48 | 15.82 0.40 -10.42 | 28.84 0.35 -8.98 | 21.15 0.11 -10.96 | 19.21 0.23 -9.21 | 15.87 0.18 -9.17 | 15.82 0.25 -8.50 | 15.71 0.36 -7.75 | 13.57 0.26 -8.09 | 15.71 0.31 -7.45 | 15.72 0.28 -7.44 | 15.83 0.25 -7.57 | 18.24 0.17 -8.37 | 20.79 0.26 -9.79 | 23.19 0.11 -10.34 | 23.14 0.08 -9.04 | 20.71 0.52 -5.74 | 15.76 0.36 -8.12 | 11.21 0.16 -8.91 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 13.08 0.10 -10.85 | 12.26 0.09 -10.06 | 12.47 0.08 -10.27 | 12.43 0.09 -10.22 | 12.41 0.08 -10.23 | 12.37 0.05 -11.07 | 17.47 0.31 -12.15 | 31.06 1.07 -10.48 | 23.31 0.48 -12.75 | 20.92 0.47 -10.67 | 17.53 0.31 -10.70 | 17.31 0.33 -9.92 | 17.02 0.36 -9.05 | 14.92 0.25 -9.43 | 17.00 0.35 -8.70 | 17.03 0.34 -8.68 | 17.22 0.37 -8.84 | 19.92 0.45 -9.77 | 22.74 0.56 -11.43 | 25.47 0.65 -12.09 | 25.28 0.70 -10.56 | 21.86 0.75 -6.67 | 17.11 0.34 -9.49 | 12.65 0.11 -10.41 |
| E_CANADA_CAP_HY 24051 | 87.98 0.16 -85.70 | 83.42 0.15 -81.15 | 83.70 0.15 -81.43 | 83.00 0.15 -80.73 | 83.50 0.15 -81.24 | 88.92 0.10 -87.57 | 101.44 0.45 -95.98 | 103.95 1.68 -82.76 | 117.87 0.77 -107.03 | 105.36 0.73 -94.85 | 91.52 0.47 -84.53 | 85.96 0.53 -78.36 | 79.59 0.54 -71.44 | 80.10 0.36 -74.51 | 77.14 0.52 -68.67 | 77.10 0.53 -68.57 | 78.19 0.54 -69.63 | 87.36 0.68 -76.99 | 101.59 0.76 -90.08 | 108.88 0.93 -95.22 | 98.25 1.04 -83.20 | 76.81 1.14 -61.22 | 82.56 0.53 -74.75 | 84.29 0.14 -82.02 |
| E_CANADA_MHWK_HY 24050 | 2.18 0.06 0.00 | 1.46 0.05 0.71 | 2.02 0.05 0.14 | 2.17 0.05 0.00 | 1.97 0.05 0.19 | 1.21 0.03 0.08 | 5.14 0.13 0.00 | 20.00 0.49 0.00 | 7.69 0.24 2.63 | 5.65 0.23 4.36 | 6.69 0.17 0.00 | 7.26 0.20 0.00 | 7.80 0.20 0.00 | 5.37 0.14 0.00 | 8.17 0.22 0.00 | 8.23 0.23 0.00 | 8.24 0.23 0.00 | 9.98 0.28 0.00 | 11.07 0.32 0.00 | 13.12 0.38 0.00 | 14.45 0.44 0.00 | 12.25 0.49 2.69 | 7.51 0.23 0.00 | 2.20 0.07 0.00 |
| E_FISHKILL___LBMP 23776 | 51.05 0.15 -48.77 | 47.90 0.14 -45.64 | 48.49 0.14 -46.23 | 48.20 0.14 -45.94 | 48.32 0.13 -46.09 | 51.12 0.09 -49.78 | 60.02 0.40 -54.62 | 68.08 1.48 -47.09 | 69.78 0.82 -58.89 | 61.22 0.80 -50.64 | 55.16 0.54 -48.10 | 52.25 0.60 -44.59 | 48.91 0.65 -40.65 | 48.08 0.45 -42.40 | 47.72 0.69 -39.08 | 47.72 0.70 -39.02 | 48.30 0.67 -39.62 | 54.31 0.81 -43.80 | 62.92 0.91 -51.25 | 67.97 1.06 -54.17 | 62.52 1.16 -47.33 | 47.52 1.17 -31.91 | 50.37 0.56 -42.53 | 48.95 0.16 -46.67 |
| FALCON___SEABRD_CC1 323796 | 2.13 0.00 0.00 | 1.93 0.00 0.19 | 2.09 0.01 0.04 | 2.13 0.01 0.00 | 2.05 0.00 0.05 | 1.23 0.00 0.02 | 4.95 -0.06 0.00 | 19.39 -0.12 0.00 | 9.25 -0.11 0.72 | 8.36 -0.22 1.19 | 6.31 -0.21 0.00 | 6.77 -0.30 0.00 | 7.19 -0.41 0.00 | 4.92 -0.31 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.36 -0.34 0.00 | 10.32 -0.43 0.00 | 12.40 -0.33 0.00 | 13.71 -0.31 0.00 | 13.95 -0.49 0.00 | 7.14 -0.14 0.00 | 2.03 -0.10 0.00 |

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| FALCON___SEABRD_CC2 323797 | 2.13 0.00 0.00 | 1.93 0.00 0.19 | 2.09 0.01 0.04 | 2.13 0.01 0.00 | 2.05 0.00 0.05 | 1.23 0.00 0.02 | 4.95 -0.06 0.00 | 19.39 -0.12 0.00 | 9.25 -0.11 0.72 | 8.36 -0.22 1.19 | 6.31 -0.21 0.00 | 6.77 -0.30 0.00 | 7.19 -0.41 0.00 | 4.92 -0.31 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.36 -0.34 0.00 | 10.32 -0.43 0.00 | 12.40 -0.33 0.00 | 13.71 -0.31 0.00 | 13.95 -0.49 0.00 | 7.14 -0.14 0.00 | 2.03 -0.10 0.00 |
| FAR ROCKAWAY___4 23548 | 90.46 0.26 -88.07 | 75.01 0.25 -72.64 | 70.64 0.24 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 91.98 0.55 -86.42 | 93.27 2.07 -71.69 | 92.00 1.11 -80.81 | 91.99 1.09 -81.12 | 72.14 0.87 -64.75 | 72.13 0.95 -64.12 | 62.38 1.03 -53.75 | 61.63 0.71 -55.68 | 60.18 1.08 -51.15 | 60.66 1.09 -51.58 | 62.40 1.07 -53.32 | 74.54 1.30 -63.54 | 72.19 1.46 -59.97 | 91.17 1.72 -76.71 | 91.20 1.89 -75.29 | 78.42 1.91 -62.08 | 60.64 0.94 -52.42 | 57.73 0.27 -55.34 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 50.55 0.20 -48.23 | 47.44 0.19 -45.13 | 48.02 0.19 -45.72 | 47.73 0.18 -45.43 | 47.85 0.17 -45.58 | 50.59 0.11 -49.22 | 59.54 0.52 -54.01 | 68.09 2.01 -46.57 | 69.41 1.09 -58.24 | 60.93 1.07 -50.08 | 54.81 0.72 -47.56 | 51.96 0.80 -44.10 | 48.68 0.87 -40.20 | 47.77 0.61 -41.93 | 47.52 0.93 -38.64 | 47.52 0.94 -38.59 | 48.10 0.90 -39.18 | 54.12 1.10 -43.32 | 62.67 1.24 -50.68 | 67.75 1.44 -53.58 | 62.40 1.57 -46.81 | 47.57 1.57 -31.56 | 50.08 0.74 -42.06 | 48.49 0.21 -46.15 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.84 0.16 -45.58 | 50.58 0.10 -49.22 | 59.50 0.49 -54.01 | 67.95 1.87 -46.57 | 69.33 1.01 -58.24 | 60.86 1.00 -50.08 | 54.76 0.68 -47.56 | 51.91 0.75 -44.10 | 48.62 0.81 -40.20 | 47.73 0.57 -41.93 | 47.47 0.87 -38.64 | 47.47 0.88 -38.59 | 48.03 0.84 -39.18 | 54.04 1.03 -43.32 | 62.59 1.15 -50.68 | 67.65 1.34 -53.58 | 62.29 1.46 -46.81 | 47.47 1.47 -31.56 | 50.03 0.69 -42.06 | 48.47 0.19 -46.15 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.84 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.93 1.85 -46.57 | 69.32 1.00 -58.24 | 60.85 0.99 -50.08 | 54.76 0.67 -47.56 | 51.90 0.74 -44.10 | 48.61 0.81 -40.20 | 47.72 0.57 -41.93 | 47.46 0.87 -38.64 | 47.46 0.87 -38.59 | 48.02 0.83 -39.18 | 54.03 1.02 -43.32 | 62.57 1.14 -50.68 | 67.64 1.32 -53.58 | 62.27 1.44 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| FARRAGUT___LBMP 323566 | 50.55 0.20 -48.23 | 47.44 0.19 -45.13 | 48.02 0.19 -45.72 | 47.73 0.18 -45.43 | 47.85 0.17 -45.58 | 50.59 0.11 -49.22 | 59.55 0.53 -54.01 | 68.11 2.03 -46.57 | 69.41 1.09 -58.24 | 60.94 1.08 -50.08 | 54.81 0.73 -47.56 | 51.96 0.80 -44.10 | 48.69 0.88 -40.20 | 47.77 0.61 -41.93 | 47.53 0.94 -38.64 | 47.53 0.94 -38.59 | 48.10 0.90 -39.18 | 54.13 1.11 -43.32 | 62.67 1.24 -50.68 | 67.76 1.45 -53.58 | 62.40 1.57 -46.81 | 47.59 1.59 -31.56 | 50.09 0.75 -42.06 | 48.49 0.21 -46.15 |
| FENNER___WINDPWR 24204 | 8.10 0.07 -5.91 | 7.38 0.06 -5.20 | 7.70 0.05 -5.53 | 7.74 0.06 -5.56 | 7.65 0.05 -5.50 | 7.28 0.04 -5.99 | 11.84 0.22 -6.61 | 26.07 0.86 -5.70 | 16.41 0.39 -5.93 | 14.31 0.38 -4.15 | 12.60 0.26 -5.82 | 12.74 0.28 -5.40 | 12.82 0.30 -4.92 | 10.56 0.20 -5.13 | 12.96 0.28 -4.73 | 12.99 0.26 -4.73 | 13.19 0.26 -4.91 | 15.45 0.32 -5.43 | 17.53 0.41 -6.37 | 19.94 0.47 -6.73 | 20.42 0.52 -5.88 | 17.14 0.52 -2.17 | 12.78 0.22 -5.29 | 8.00 0.07 -5.80 |
| FIBERTEK___ENERGY 23856 | 7.74 0.05 -5.56 | 7.26 0.03 -5.10 | 7.40 0.03 -5.25 | 7.39 0.03 -5.24 | 7.36 0.03 -5.23 | 6.94 0.02 -5.67 | 11.38 0.15 -6.23 | 25.37 0.49 -5.37 | 16.62 0.20 -6.34 | 15.14 0.21 -5.16 | 12.14 0.14 -5.49 | 12.30 0.15 -5.09 | 12.42 0.18 -4.64 | 10.19 0.13 -4.84 | 12.60 0.19 -4.46 | 12.64 0.19 -4.45 | 12.76 0.20 -4.55 | 14.95 0.22 -5.03 | 16.90 0.27 -5.88 | 19.26 0.31 -6.22 | 19.77 0.32 -5.43 | 18.00 0.35 -3.21 | 12.30 0.15 -4.88 | 7.53 0.05 -5.35 |
| FITZPATRICK____ 23598 | 5.44 -0.02 -3.33 | 5.02 -0.03 -2.94 | 5.21 -0.03 -3.12 | 5.23 -0.03 -3.14 | 5.17 -0.04 -3.10 | 4.62 -0.02 -3.38 | 8.71 -0.03 -3.73 | 22.52 -0.21 -3.22 | 13.29 -0.14 -3.35 | 11.99 -0.13 -2.34 | 9.73 -0.08 -3.29 | 10.03 -0.08 -3.05 | 10.30 -0.08 -2.78 | 8.07 -0.06 -2.90 | 10.54 -0.08 -2.67 | 10.60 -0.07 -2.67 | 10.66 -0.07 -2.72 | 12.60 -0.11 -3.01 | 14.16 -0.11 -3.52 | 16.30 -0.15 -3.72 | 17.08 -0.18 -3.25 | 15.48 -0.16 -1.20 | 10.10 -0.09 -2.92 | 5.31 -0.02 -3.20 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 51.38 0.18 -49.07 | 48.44 0.17 -46.15 | 48.85 0.17 -46.56 | 48.51 0.17 -46.23 | 48.70 0.16 -46.43 | 51.47 0.10 -50.11 | 60.45 0.49 -54.95 | 68.73 1.83 -47.38 | 71.15 0.98 -60.09 | 63.07 0.95 -52.34 | 55.55 0.64 -48.39 | 52.60 0.67 -44.87 | 49.23 0.72 -40.90 | 48.40 0.51 -42.66 | 48.03 0.76 -39.32 | 48.04 0.78 -39.27 | 48.63 0.75 -39.87 | 54.70 0.93 -44.08 | 63.36 1.04 -51.57 | 68.48 1.23 -54.51 | 62.98 1.33 -47.63 | 49.10 1.33 -33.33 | 50.70 0.63 -42.79 | 49.26 0.17 -46.96 |
| FORT ORANGE____ 23900 | 62.51 0.16 -60.23 | 61.20 0.15 -58.93 | 59.88 0.15 -57.61 | 59.01 0.15 -56.74 | 59.84 0.15 -57.59 | 63.10 0.09 -61.75 | 72.83 0.36 -67.46 | 78.95 1.27 -58.17 | 93.02 0.67 -82.27 | 88.78 0.67 -78.34 | 66.39 0.46 -59.41 | 62.64 0.49 -55.08 | 58.36 0.54 -50.22 | 57.97 0.37 -52.37 | 56.77 0.55 -48.27 | 56.75 0.55 -48.19 | 57.51 0.55 -48.95 | 64.47 0.65 -54.12 | 74.81 0.73 -63.32 | 80.50 0.83 -66.94 | 73.43 0.92 -58.49 | 68.72 0.97 -53.31 | 60.35 0.52 -52.55 | 59.93 0.14 -57.66 |
| FORT_DRUM_COGEN 23780 | 4.60 0.00 -2.48 | 4.29 -0.01 -2.18 | 4.43 -0.01 -2.32 | 4.44 -0.01 -2.33 | 4.39 -0.02 -2.30 | 3.76 0.00 -2.51 | 7.86 0.08 -2.77 | 22.33 0.43 -2.39 | 12.74 0.17 -2.49 | 11.64 0.12 -1.74 | 9.01 0.05 -2.44 | 9.34 0.01 -2.26 | 9.66 -0.01 -2.06 | 7.37 -0.01 -2.15 | 9.90 -0.03 -1.98 | 9.93 -0.05 -1.98 | 10.11 -0.02 -2.11 | 12.07 0.04 -2.34 | 13.54 0.18 -2.61 | 15.72 0.23 -2.76 | 16.72 0.29 -2.41 | 15.53 0.20 -0.89 | 9.46 0.02 -2.17 | 4.51 0.00 -2.38 |
| FPL_FAR_ROCK_GT1 24212 | 90.46 0.26 -88.07 | 75.01 0.25 -72.64 | 70.64 0.24 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 91.98 0.55 -86.42 | 93.27 2.07 -71.69 | 92.00 1.11 -80.81 | 91.99 1.09 -81.12 | 72.14 0.87 -64.75 | 72.13 0.95 -64.12 | 62.38 1.03 -53.75 | 61.63 0.71 -55.68 | 60.18 1.08 -51.15 | 60.66 1.09 -51.58 | 62.40 1.07 -53.32 | 74.54 1.30 -63.54 | 72.19 1.46 -59.97 | 91.17 1.72 -76.71 | 91.20 1.89 -75.29 | 78.42 1.91 -62.08 | 60.64 0.94 -52.42 | 57.73 0.27 -55.34 |
| FPL_FAR_ROCK_GT2 23815 | 90.46 0.26 -88.07 | 75.01 0.25 -72.64 | 70.64 0.24 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 91.98 0.55 -86.42 | 93.27 2.07 -71.69 | 92.00 1.11 -80.81 | 91.99 1.09 -81.12 | 72.14 0.87 -64.75 | 72.13 0.95 -64.12 | 62.38 1.03 -53.75 | 61.63 0.71 -55.68 | 60.18 1.08 -51.15 | 60.66 1.09 -51.58 | 62.40 1.07 -53.32 | 74.54 1.30 -63.54 | 72.19 1.46 -59.97 | 91.17 1.72 -76.71 | 91.20 1.89 -75.29 | 78.42 1.91 -62.08 | 60.64 0.94 -52.42 | 57.73 0.27 -55.34 |
| FRANKLIN_FALL_HYD 24054 | 2.08 -0.05 0.00 | 1.88 -0.04 0.19 | 2.04 -0.04 0.04 | 2.08 -0.04 0.00 | 2.01 -0.04 0.05 | 1.20 -0.03 0.02 | 4.82 -0.19 0.00 | 18.96 -0.55 0.00 | 9.08 -0.28 0.72 | 8.25 -0.34 1.19 | 6.23 -0.29 0.00 | 6.72 -0.35 0.00 | 7.16 -0.44 0.00 | 4.92 -0.31 0.00 | 7.47 -0.49 0.00 | 7.51 -0.49 0.00 | 7.55 -0.46 0.00 | 9.23 -0.47 0.00 | 10.19 -0.56 0.00 | 12.23 -0.51 0.00 | 13.51 -0.50 0.00 | 13.76 -0.68 0.00 | 6.99 -0.28 0.00 | 2.01 -0.12 0.00 |

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|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| FREEPORT_EQUS_GT1 23764 | 90.44 0.24 -88.07 | 74.99 0.23 -72.64 | 70.63 0.23 -68.28 | 69.63 0.22 -67.29 | 74.99 0.21 -72.67 | 86.55 0.13 -85.16 | 92.04 0.61 -86.42 | 93.50 2.30 -71.69 | 92.12 1.23 -80.81 | 92.10 1.20 -81.12 | 72.08 0.81 -64.75 | 72.08 0.90 -64.12 | 62.34 0.98 -53.75 | 61.59 0.68 -55.68 | 60.13 1.03 -51.15 | 60.62 1.04 -51.58 | 62.34 1.01 -53.32 | 74.43 1.19 -63.54 | 72.07 1.34 -59.97 | 91.01 1.57 -76.71 | 91.01 1.71 -75.29 | 78.31 1.79 -62.08 | 60.59 0.89 -52.42 | 57.72 0.25 -55.34 |
| FREEPORT___CT2 23818 | 90.44 0.24 -88.07 | 74.99 0.23 -72.64 | 70.63 0.23 -68.28 | 69.63 0.22 -67.29 | 74.99 0.21 -72.67 | 86.55 0.13 -85.16 | 92.04 0.61 -86.42 | 93.50 2.30 -71.69 | 92.12 1.23 -80.81 | 92.10 1.20 -81.12 | 72.08 0.81 -64.75 | 72.08 0.90 -64.12 | 62.34 0.98 -53.75 | 61.59 0.68 -55.68 | 60.13 1.03 -51.15 | 60.62 1.04 -51.58 | 62.34 1.01 -53.32 | 74.43 1.19 -63.54 | 72.07 1.34 -59.97 | 91.01 1.57 -76.71 | 91.01 1.71 -75.29 | 78.31 1.79 -62.08 | 60.59 0.89 -52.42 | 57.72 0.25 -55.34 |
| FULTON COGEN____ 23766 | 6.64 0.05 -4.46 | 6.09 0.04 -3.93 | 6.33 0.04 -4.18 | 6.36 0.04 -4.20 | 6.29 0.03 -4.15 | 5.80 0.03 -4.53 | 10.18 0.18 -5.00 | 24.46 0.64 -4.31 | 14.83 0.27 -4.48 | 13.19 0.27 -3.14 | 11.10 0.18 -4.40 | 11.33 0.19 -4.08 | 11.53 0.21 -3.72 | 9.26 0.15 -3.88 | 11.77 0.25 -3.57 | 11.81 0.24 -3.57 | 11.93 0.26 -3.66 | 14.04 0.29 -4.05 | 15.83 0.35 -4.72 | 18.12 0.40 -4.99 | 18.80 0.42 -4.36 | 16.50 0.45 -1.61 | 11.36 0.17 -3.92 | 6.49 0.05 -4.30 |
| FULTON___LFGE 323630 | 84.31 0.28 -81.90 | 80.61 0.25 -78.24 | 80.33 0.25 -77.96 | 79.53 0.25 -77.16 | 80.19 0.26 -77.82 | 85.19 0.17 -83.77 | 97.52 0.78 -91.73 | 101.57 2.96 -79.09 | 116.30 1.37 -104.85 | 106.08 1.42 -94.89 | 88.17 0.87 -80.78 | 82.90 0.95 -74.89 | 76.87 0.98 -68.28 | 77.09 0.65 -71.21 | 74.52 0.94 -65.63 | 74.53 0.99 -65.54 | 75.59 1.03 -66.56 | 84.56 1.28 -73.59 | 98.29 1.44 -86.10 | 105.46 1.72 -91.01 | 95.39 1.85 -79.52 | 78.62 1.94 -62.24 | 79.67 0.95 -71.44 | 80.78 0.26 -78.39 |
| G.F.CEMENT___DRP 24184 | 69.22 0.23 -66.87 | 68.58 0.22 -66.24 | 66.46 0.22 -64.13 | 65.33 0.22 -63.00 | 66.48 0.22 -64.15 | 70.00 0.11 -68.64 | 80.37 0.46 -74.90 | 85.85 1.76 -64.58 | 105.26 0.82 -94.37 | 102.56 0.80 -91.98 | 73.00 0.52 -65.96 | 68.81 0.59 -61.15 | 63.99 0.63 -55.75 | 63.79 0.41 -58.14 | 62.14 0.60 -53.59 | 62.12 0.62 -53.51 | 63.02 0.65 -54.36 | 70.58 0.79 -60.10 | 81.93 0.86 -70.32 | 88.09 1.02 -74.33 | 80.10 1.13 -64.95 | 79.54 1.50 -63.60 | 66.38 0.75 -58.35 | 66.36 0.20 -64.03 |
| GARDENVILLE___LBMP 24039 | 11.55 0.14 -9.29 | 10.83 0.09 -8.62 | 10.99 0.08 -8.79 | 10.97 0.11 -8.75 | 10.92 0.06 -8.76 | 10.79 0.06 -9.47 | 15.78 0.38 -10.40 | 28.73 0.25 -8.97 | 21.08 0.06 -10.94 | 19.15 0.18 -9.19 | 15.83 0.15 -9.16 | 15.77 0.22 -8.49 | 15.67 0.33 -7.74 | 13.54 0.24 -8.07 | 15.67 0.28 -7.44 | 15.68 0.25 -7.43 | 15.77 0.21 -7.55 | 18.18 0.14 -8.35 | 20.73 0.20 -9.77 | 23.11 0.05 -10.33 | 23.06 0.01 -9.02 | 20.63 0.45 -5.74 | 15.71 0.33 -8.11 | 11.18 0.16 -8.90 |
| GENERAL___MILLS 23808 | 11.57 0.14 -9.30 | 10.85 0.10 -8.63 | 11.01 0.09 -8.80 | 10.99 0.11 -8.76 | 10.94 0.07 -8.77 | 10.80 0.07 -9.48 | 15.82 0.40 -10.42 | 28.82 0.33 -8.98 | 21.14 0.10 -10.96 | 19.20 0.21 -9.21 | 15.87 0.18 -9.17 | 15.81 0.25 -8.50 | 15.71 0.35 -7.75 | 13.57 0.25 -8.09 | 15.71 0.31 -7.45 | 15.72 0.28 -7.44 | 15.82 0.24 -7.57 | 18.23 0.16 -8.37 | 20.78 0.25 -9.79 | 23.18 0.10 -10.34 | 23.13 0.07 -9.04 | 20.69 0.51 -5.74 | 15.75 0.36 -8.12 | 11.21 0.16 -8.91 |
| GE_PLASTICS___DRP 24183 | 62.10 0.14 -59.84 | 60.85 0.13 -58.60 | 59.50 0.13 -57.25 | 58.62 0.13 -56.37 | 59.47 0.13 -57.23 | 62.69 0.08 -61.35 | 72.36 0.33 -67.02 | 78.49 1.19 -57.79 | 92.65 0.64 -81.94 | 88.56 0.63 -78.16 | 65.97 0.42 -59.02 | 62.24 0.45 -54.72 | 57.99 0.49 -49.89 | 57.60 0.34 -52.03 | 56.42 0.52 -47.95 | 56.39 0.51 -47.88 | 57.15 0.51 -48.63 | 64.07 0.61 -53.77 | 74.35 0.69 -62.91 | 80.02 0.79 -66.50 | 72.99 0.87 -58.10 | 68.61 0.91 -53.26 | 59.94 0.46 -52.20 | 59.54 0.13 -57.28 |
| GILBOA___1 23756 | 47.98 0.09 -45.76 | 44.46 0.09 -42.26 | 45.47 0.09 -43.27 | 45.32 0.09 -43.11 | 45.29 0.09 -43.10 | 47.95 0.05 -46.65 | 56.50 0.24 -51.25 | 64.55 0.86 -44.19 | 63.69 0.45 -53.15 | 54.26 0.45 -44.03 | 51.96 0.31 -45.13 | 49.24 0.34 -41.84 | 46.12 0.37 -38.14 | 45.27 0.26 -39.78 | 45.01 0.39 -36.67 | 45.01 0.39 -36.62 | 45.56 0.38 -37.17 | 51.25 0.46 -41.10 | 59.35 0.52 -48.09 | 64.15 0.59 -50.83 | 59.08 0.65 -44.41 | 42.00 0.68 -26.88 | 47.52 0.33 -39.90 | 46.01 0.10 -43.78 |
| GILBOA___2 23757 | 47.98 0.09 -45.76 | 44.46 0.09 -42.26 | 45.47 0.09 -43.27 | 45.32 0.09 -43.11 | 45.29 0.09 -43.10 | 47.95 0.05 -46.65 | 56.50 0.24 -51.25 | 64.55 0.86 -44.19 | 63.69 0.45 -53.15 | 54.26 0.45 -44.03 | 51.96 0.31 -45.13 | 49.24 0.34 -41.84 | 46.12 0.37 -38.14 | 45.27 0.26 -39.78 | 45.01 0.39 -36.67 | 45.01 0.39 -36.62 | 45.56 0.38 -37.17 | 51.25 0.46 -41.10 | 59.35 0.52 -48.09 | 64.15 0.59 -50.83 | 59.08 0.65 -44.41 | 42.00 0.68 -26.88 | 47.52 0.33 -39.90 | 46.01 0.10 -43.78 |
| GILBOA___3 23758 | 47.98 0.09 -45.76 | 44.46 0.09 -42.26 | 45.47 0.09 -43.27 | 45.32 0.09 -43.11 | 45.29 0.09 -43.10 | 47.95 0.05 -46.65 | 56.50 0.24 -51.25 | 64.55 0.86 -44.19 | 63.69 0.45 -53.15 | 54.26 0.45 -44.03 | 51.96 0.31 -45.13 | 49.24 0.34 -41.84 | 46.12 0.37 -38.14 | 45.27 0.26 -39.78 | 45.01 0.39 -36.67 | 45.01 0.39 -36.62 | 45.56 0.38 -37.17 | 51.25 0.46 -41.10 | 59.35 0.52 -48.09 | 64.15 0.59 -50.83 | 59.08 0.65 -44.41 | 42.00 0.68 -26.88 | 47.52 0.33 -39.90 | 46.01 0.10 -43.78 |
| GILBOA___4 23759 | 47.98 0.09 -45.76 | 44.46 0.09 -42.26 | 45.47 0.09 -43.27 | 45.32 0.09 -43.11 | 45.29 0.09 -43.10 | 47.95 0.05 -46.65 | 56.50 0.24 -51.25 | 64.55 0.86 -44.19 | 63.69 0.45 -53.15 | 54.26 0.45 -44.03 | 51.96 0.31 -45.13 | 49.24 0.34 -41.84 | 46.12 0.37 -38.14 | 45.27 0.26 -39.78 | 45.01 0.39 -36.67 | 45.01 0.39 -36.62 | 45.56 0.38 -37.17 | 51.25 0.46 -41.10 | 59.35 0.52 -48.09 | 64.15 0.59 -50.83 | 59.08 0.65 -44.41 | 42.00 0.68 -26.88 | 47.52 0.33 -39.90 | 46.01 0.10 -43.78 |
| GILBOA____ 23599 | 47.98 0.09 -45.76 | 44.46 0.09 -42.26 | 45.47 0.09 -43.27 | 45.32 0.09 -43.11 | 45.29 0.09 -43.10 | 47.95 0.05 -46.65 | 56.50 0.24 -51.25 | 64.55 0.86 -44.19 | 63.69 0.45 -53.15 | 54.26 0.45 -44.03 | 51.96 0.31 -45.13 | 49.24 0.34 -41.84 | 46.12 0.37 -38.14 | 45.27 0.26 -39.78 | 45.01 0.39 -36.67 | 45.01 0.39 -36.62 | 45.56 0.38 -37.17 | 51.25 0.46 -41.10 | 59.35 0.52 -48.09 | 64.15 0.59 -50.83 | 59.08 0.65 -44.41 | 42.00 0.68 -26.88 | 47.52 0.33 -39.90 | 46.01 0.10 -43.78 |
| GINNA____ 23603 | 8.17 -0.05 -6.09 | 7.68 -0.06 -5.62 | 7.81 -0.07 -5.76 | 7.79 -0.06 -5.73 | 7.77 -0.07 -5.73 | 7.43 -0.03 -6.21 | 11.78 -0.05 -6.82 | 24.94 -0.45 -5.88 | 16.86 -0.29 -7.08 | 15.39 -0.25 -5.87 | 12.37 -0.15 -6.00 | 12.49 -0.14 -5.57 | 12.56 -0.11 -5.07 | 10.43 -0.09 -5.29 | 12.68 -0.15 -4.88 | 12.71 -0.16 -4.87 | 12.80 -0.17 -4.96 | 14.93 -0.25 -5.48 | 16.90 -0.27 -6.41 | 19.15 -0.37 -6.78 | 19.51 -0.43 -5.92 | 17.73 -0.36 -3.65 | 12.40 -0.20 -5.32 | 7.93 -0.04 -5.84 |
| GLEN PARK____ 23778 | 4.73 0.01 -2.59 | 4.40 0.00 -2.28 | 4.54 0.00 -2.43 | 4.56 0.00 -2.44 | 4.51 -0.01 -2.41 | 3.89 0.00 -2.63 | 8.03 0.12 -2.90 | 22.58 0.57 -2.50 | 12.92 0.24 -2.60 | 11.78 0.18 -1.82 | 9.17 0.09 -2.56 | 9.48 0.05 -2.37 | 9.79 0.03 -2.16 | 7.50 0.02 -2.25 | 10.03 0.01 -2.08 | 10.07 0.00 -2.07 | 10.24 0.02 -2.20 | 12.23 0.10 -2.44 | 13.74 0.26 -2.73 | 15.93 0.31 -2.89 | 16.93 0.39 -2.52 | 15.65 0.27 -0.93 | 9.60 0.05 -2.27 | 4.63 0.01 -2.49 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GLENWOOD_IC_1_G5 23712 | 90.41 0.21 -88.07 | 74.97 0.20 -72.64 | 70.60 0.20 -68.28 | 69.60 0.19 -67.29 | 74.96 0.19 -72.67 | 86.54 0.12 -85.16 | 91.99 0.56 -86.42 | 93.31 2.11 -71.69 | 92.03 1.14 -80.81 | 92.01 1.11 -81.12 | 72.02 0.75 -64.75 | 72.01 0.83 -64.12 | 62.26 0.90 -53.75 | 61.54 0.63 -55.68 | 60.06 0.95 -51.15 | 60.54 0.96 -51.58 | 62.26 0.93 -53.32 | 74.36 1.12 -63.54 | 71.98 1.26 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.15 1.63 -62.08 | 60.49 0.79 -52.42 | 57.69 0.22 -55.34 |
| GLENWOOD_IC_2_G1 23688 | 90.40 0.20 -88.07 | 74.95 0.19 -72.64 | 70.59 0.19 -68.28 | 69.59 0.18 -67.29 | 74.95 0.17 -72.67 | 86.53 0.11 -85.16 | 91.95 0.52 -86.42 | 93.17 1.97 -71.69 | 91.95 1.06 -80.81 | 91.94 1.05 -81.12 | 71.97 0.70 -64.75 | 71.96 0.78 -64.12 | 62.20 0.84 -53.75 | 61.51 0.59 -55.68 | 60.00 0.90 -51.15 | 60.48 0.90 -51.58 | 62.20 0.87 -53.32 | 74.30 1.07 -63.54 | 71.92 1.19 -59.97 | 90.84 1.39 -76.71 | 90.82 1.51 -75.29 | 78.05 1.53 -62.08 | 60.44 0.73 -52.42 | 57.68 0.21 -55.34 |
| GLENWOOD_IC_3_G1 23689 | 90.40 0.20 -88.07 | 74.95 0.19 -72.64 | 70.59 0.19 -68.28 | 69.59 0.18 -67.29 | 74.95 0.17 -72.67 | 86.53 0.11 -85.16 | 91.95 0.52 -86.42 | 93.17 1.97 -71.69 | 91.95 1.06 -80.81 | 91.94 1.05 -81.12 | 71.97 0.70 -64.75 | 71.96 0.78 -64.12 | 62.20 0.84 -53.75 | 61.51 0.59 -55.68 | 60.00 0.90 -51.15 | 60.48 0.90 -51.58 | 62.20 0.87 -53.32 | 74.30 1.07 -63.54 | 71.92 1.19 -59.97 | 90.84 1.39 -76.71 | 90.82 1.51 -75.29 | 78.05 1.53 -62.08 | 60.44 0.73 -52.42 | 57.68 0.21 -55.34 |
| GLENWOOD___4 23550 | 90.41 0.21 -88.07 | 74.97 0.20 -72.64 | 70.60 0.20 -68.28 | 69.60 0.19 -67.29 | 74.96 0.19 -72.67 | 86.54 0.12 -85.16 | 91.99 0.56 -86.42 | 93.31 2.11 -71.69 | 92.03 1.14 -80.81 | 92.01 1.11 -81.12 | 72.02 0.75 -64.75 | 72.01 0.83 -64.12 | 62.26 0.90 -53.75 | 61.54 0.63 -55.68 | 60.06 0.95 -51.15 | 60.54 0.96 -51.58 | 62.26 0.93 -53.32 | 74.36 1.12 -63.54 | 71.98 1.26 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.15 1.63 -62.08 | 60.49 0.79 -52.42 | 57.69 0.22 -55.34 |
| GLENWOOD___5 23614 | 90.41 0.21 -88.07 | 74.97 0.20 -72.64 | 70.60 0.20 -68.28 | 69.60 0.19 -67.29 | 74.96 0.19 -72.67 | 86.54 0.12 -85.16 | 91.99 0.56 -86.42 | 93.31 2.11 -71.69 | 92.03 1.14 -80.81 | 92.01 1.11 -81.12 | 72.02 0.75 -64.75 | 72.01 0.83 -64.12 | 62.26 0.90 -53.75 | 61.54 0.63 -55.68 | 60.06 0.95 -51.15 | 60.54 0.96 -51.58 | 62.26 0.93 -53.32 | 74.36 1.12 -63.54 | 71.98 1.26 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.15 1.63 -62.08 | 60.49 0.79 -52.42 | 57.69 0.22 -55.34 |
| GLOBAL GREEN_PORT_GT1 23814 | 90.51 0.31 -88.07 | 75.06 0.30 -72.64 | 70.70 0.30 -68.28 | 69.70 0.29 -67.29 | 75.06 0.29 -72.67 | 86.60 0.18 -85.16 | 92.23 0.80 -86.42 | 94.32 3.12 -71.69 | 92.53 1.64 -80.81 | 92.46 1.56 -81.12 | 72.21 0.94 -64.75 | 72.21 1.02 -64.12 | 62.45 1.10 -53.75 | 61.68 0.77 -55.68 | 60.26 1.16 -51.15 | 60.74 1.16 -51.58 | 62.49 1.16 -53.32 | 74.65 1.42 -63.54 | 72.32 1.59 -59.97 | 91.28 1.83 -76.71 | 91.32 2.02 -75.29 | 78.58 2.06 -62.08 | 60.71 1.01 -52.42 | 57.76 0.30 -55.34 |
| GLOBE___DSASP 323697 | 10.94 0.08 -8.73 | 10.26 0.04 -8.10 | 10.41 0.03 -8.26 | 10.39 0.05 -8.23 | 10.35 0.01 -8.23 | 10.19 0.03 -8.91 | 15.00 0.22 -9.78 | 27.44 -0.45 -8.38 | 19.99 -0.29 -10.20 | 18.19 -0.15 -8.56 | 15.01 -0.07 -8.56 | 15.01 -0.01 -7.96 | 14.99 0.11 -7.28 | 12.91 0.09 -7.59 | 15.00 0.05 -7.00 | 15.00 0.01 -6.99 | 15.02 -0.06 -7.07 | 17.30 -0.20 -7.81 | 19.71 -0.17 -9.13 | 21.93 -0.46 -9.65 | 21.91 -0.55 -8.44 | 19.70 -0.09 -5.35 | 15.00 0.09 -7.63 | 10.59 0.09 -8.37 |
| GOETHSLN___LBMP 323567 | 46.03 0.16 -43.74 | 46.03 0.15 -43.76 | 38.02 0.16 -35.75 | 46.03 0.15 -43.77 | 46.03 0.14 -43.79 | 46.03 0.09 -44.68 | 59.49 0.47 -54.01 | 66.33 1.78 -45.04 | 54.77 0.96 -43.73 | 48.32 0.94 -37.60 | 46.50 0.64 -39.34 | 46.50 0.71 -38.73 | 46.50 0.77 -38.13 | 46.50 0.54 -40.73 | 46.51 0.83 -37.73 | 46.51 0.83 -37.68 | 46.50 0.79 -37.70 | 46.51 0.98 -35.83 | 46.50 1.09 -34.66 | 48.62 1.27 -34.61 | 50.02 1.37 -34.63 | 46.50 1.39 -30.67 | 46.50 0.65 -38.57 | 44.53 0.18 -42.22 |
| GOODYEAR_LAKE_HYD 323669 | 17.27 0.12 -15.03 | 18.07 0.11 -15.84 | 16.82 0.10 -14.60 | 16.38 0.11 -14.16 | 16.87 0.10 -14.67 | 16.85 0.07 -15.53 | 22.19 0.35 -16.83 | 35.31 1.29 -14.51 | 35.50 0.65 -24.76 | 36.98 0.64 -26.56 | 21.77 0.43 -14.82 | 21.29 0.49 -13.74 | 20.65 0.52 -12.53 | 18.65 0.36 -13.06 | 20.52 0.52 -12.04 | 20.52 0.50 -12.02 | 20.72 0.48 -12.23 | 23.81 0.59 -13.52 | 27.26 0.69 -15.82 | 30.26 0.80 -16.72 | 29.51 0.88 -14.61 | 34.85 0.90 -19.51 | 20.83 0.42 -13.13 | 16.66 0.12 -14.41 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 17.83 0.13 -15.57 | 16.75 0.11 -14.52 | 16.97 0.11 -14.75 | 16.90 0.11 -14.67 | 16.90 0.09 -14.70 | 17.21 0.07 -15.89 | 22.82 0.38 -17.44 | 35.64 1.09 -15.04 | 29.18 0.49 -18.61 | 26.12 0.50 -15.84 | 22.22 0.34 -15.36 | 21.68 0.38 -14.24 | 21.02 0.43 -12.98 | 19.06 0.29 -13.54 | 20.85 0.42 -12.48 | 20.88 0.42 -12.46 | 21.09 0.41 -12.67 | 24.18 0.47 -14.01 | 27.72 0.57 -16.39 | 30.69 0.62 -17.33 | 29.82 0.66 -15.14 | 25.20 0.79 -9.96 | 21.28 0.40 -13.60 | 17.20 0.14 -14.93 |
| GOUDEY___7 23579 | 17.84 0.14 -15.57 | 16.75 0.11 -14.52 | 16.97 0.11 -14.75 | 16.90 0.11 -14.67 | 16.91 0.10 -14.70 | 17.21 0.07 -15.89 | 22.82 0.38 -17.44 | 35.64 1.09 -15.04 | 29.19 0.50 -18.61 | 26.13 0.51 -15.84 | 22.22 0.35 -15.36 | 21.69 0.39 -14.24 | 21.03 0.44 -12.98 | 19.07 0.30 -13.54 | 20.86 0.43 -12.48 | 20.88 0.42 -12.46 | 21.10 0.42 -12.67 | 24.18 0.47 -14.01 | 27.73 0.58 -16.39 | 30.70 0.64 -17.33 | 29.83 0.67 -15.14 | 25.21 0.81 -9.96 | 21.29 0.41 -13.60 | 17.20 0.14 -14.93 |
| GOUDEY___8 23580 | 17.83 0.13 -15.57 | 16.75 0.11 -14.52 | 16.97 0.11 -14.75 | 16.90 0.11 -14.67 | 16.90 0.09 -14.70 | 17.21 0.07 -15.89 | 22.82 0.38 -17.44 | 35.64 1.09 -15.04 | 29.18 0.49 -18.61 | 26.12 0.50 -15.84 | 22.22 0.34 -15.36 | 21.68 0.38 -14.24 | 21.02 0.43 -12.98 | 19.06 0.29 -13.54 | 20.85 0.42 -12.48 | 20.88 0.42 -12.46 | 21.09 0.41 -12.67 | 24.18 0.47 -14.01 | 27.72 0.57 -16.39 | 30.69 0.62 -17.33 | 29.82 0.66 -15.14 | 25.20 0.79 -9.96 | 21.28 0.40 -13.60 | 17.20 0.14 -14.93 |
| GOWANUS_GT1_1 24077 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT1_2 24078 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT1_3 24079 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT1_4 24080 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT1_5 24084 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT1_6 24111 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT1_7 24112 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT1_8 24113 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_1 24114 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_2 24115 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_3 24116 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_4 24117 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_5 24118 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_6 24119 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_7 24120 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT2_8 24121 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT3_1 24122 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT3_2 24123 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |

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|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT3_3 24124 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT3_4 24125 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT3_5 24126 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT3_6 24127 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT3_7 24128 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT3_8 24129 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_1 24130 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_2 24131 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_3 24132 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_4 24133 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_5 24134 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_6 24135 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_7 24136 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GOWANUS_GT4_8 24137 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GREENIDGE___3 23582 | 12.38 0.10 -10.15 | 11.62 0.08 -9.42 | 11.80 0.07 -9.61 | 11.76 0.08 -9.56 | 11.74 0.06 -9.57 | 11.66 0.05 -10.35 | 16.71 0.33 -11.37 | 30.21 0.90 -9.80 | 22.43 0.38 -11.96 | 20.21 0.38 -10.06 | 16.77 0.24 -10.01 | 16.62 0.28 -9.28 | 16.38 0.31 -8.46 | 14.27 0.21 -8.82 | 16.37 0.29 -8.13 | 16.40 0.28 -8.12 | 16.57 0.30 -8.26 | 19.18 0.35 -9.13 | 21.87 0.44 -10.68 | 24.48 0.46 -11.29 | 24.37 0.49 -9.87 | 21.33 0.61 -6.28 | 16.43 0.28 -8.86 | 11.96 0.10 -9.73 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GREENIDGE___4 23583 | 12.38 0.10 -10.15 | 11.62 0.08 -9.42 | 11.80 0.07 -9.61 | 11.76 0.08 -9.56 | 11.74 0.06 -9.57 | 11.66 0.05 -10.35 | 16.71 0.33 -11.37 | 30.21 0.90 -9.80 | 22.43 0.38 -11.96 | 20.21 0.38 -10.06 | 16.77 0.24 -10.01 | 16.62 0.28 -9.28 | 16.38 0.31 -8.46 | 14.27 0.21 -8.82 | 16.37 0.29 -8.13 | 16.40 0.28 -8.12 | 16.57 0.30 -8.26 | 19.18 0.35 -9.13 | 21.87 0.44 -10.68 | 24.48 0.46 -11.29 | 24.37 0.49 -9.87 | 21.33 0.61 -6.28 | 16.43 0.28 -8.86 | 11.96 0.10 -9.73 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| GROVEVILLE___HYD 323602 | 51.38 0.18 -49.07 | 48.44 0.17 -46.15 | 48.85 0.17 -46.56 | 48.51 0.17 -46.23 | 48.70 0.16 -46.43 | 51.47 0.10 -50.11 | 60.45 0.49 -54.95 | 68.73 1.83 -47.38 | 71.15 0.98 -60.09 | 63.07 0.95 -52.34 | 55.55 0.64 -48.39 | 52.60 0.67 -44.87 | 49.23 0.72 -40.90 | 48.40 0.51 -42.66 | 48.03 0.76 -39.32 | 48.04 0.78 -39.27 | 48.63 0.75 -39.87 | 54.70 0.93 -44.08 | 63.36 1.04 -51.57 | 68.48 1.23 -54.51 | 62.98 1.33 -47.63 | 49.10 1.33 -33.33 | 50.70 0.63 -42.79 | 49.26 0.17 -46.96 |
| HAMPSHIRE___PAPER_HYD 323593 | 3.03 -0.09 -0.99 | 2.72 -0.08 -0.69 | 2.92 -0.08 -0.89 | 2.97 -0.09 -0.94 | 2.89 -0.09 -0.88 | 2.19 -0.05 -0.99 | 5.90 -0.22 -1.11 | 19.81 -0.66 -0.96 | 10.03 -0.34 -0.29 | 8.93 -0.37 0.47 | 7.23 -0.27 -0.98 | 7.65 -0.32 -0.91 | 8.05 -0.38 -0.83 | 5.83 -0.27 -0.86 | 8.33 -0.42 -0.80 | 8.36 -0.44 -0.80 | 8.52 -0.42 -0.92 | 10.27 -0.45 -1.02 | 11.40 -0.42 -1.07 | 13.45 -0.42 -1.13 | 14.59 -0.42 -0.99 | 14.26 -0.55 -0.37 | 7.87 -0.30 -0.89 | 3.01 -0.10 -0.97 |
| HARDSCRABBLE_WT_PWR 323673 | 2.16 0.03 0.00 | 1.44 0.03 0.71 | 2.00 0.03 0.14 | 2.14 0.03 0.00 | 1.95 0.03 0.19 | 1.19 0.02 0.08 | 5.08 0.08 0.00 | 19.80 0.29 0.00 | 7.59 0.14 2.63 | 5.56 0.14 4.36 | 6.62 0.10 0.00 | 7.19 0.13 0.00 | 7.73 0.13 0.00 | 5.32 0.09 0.00 | 8.10 0.15 0.00 | 8.16 0.16 0.00 | 8.17 0.16 0.00 | 9.89 0.19 0.00 | 10.98 0.23 0.00 | 13.00 0.27 0.00 | 14.33 0.31 0.00 | 12.12 0.36 2.69 | 7.45 0.17 0.00 | 2.18 0.05 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 48.95 0.16 -46.66 | 45.93 0.15 -43.65 | 46.50 0.15 -44.23 | 46.22 0.15 -43.96 | 46.34 0.14 -44.09 | 48.97 0.09 -47.63 | 57.63 0.44 -52.18 | 66.18 1.68 -44.99 | 67.20 0.90 -56.22 | 58.98 0.88 -48.32 | 53.07 0.60 -45.95 | 50.29 0.63 -42.60 | 47.12 0.68 -38.84 | 46.21 0.48 -40.51 | 46.00 0.72 -37.34 | 46.07 0.73 -37.34 | 46.57 0.71 -37.85 | 52.41 0.86 -41.85 | 60.69 0.97 -48.97 | 65.63 1.13 -51.76 | 60.46 1.22 -45.23 | 46.07 1.23 -30.41 | 48.49 0.58 -40.63 | 46.88 0.16 -44.59 |
| HARZA MOOSE___RIVER 24016 | 2.17 0.04 0.00 | 1.69 0.03 0.46 | 2.05 0.03 0.09 | 2.15 0.03 0.00 | 2.01 0.03 0.12 | 1.23 0.02 0.05 | 5.16 0.15 0.00 | 20.15 0.64 0.00 | 8.67 0.29 1.70 | 7.22 0.26 2.82 | 6.70 0.18 0.00 | 7.25 0.19 0.00 | 7.79 0.19 0.00 | 5.36 0.13 0.00 | 8.12 0.17 0.00 | 8.16 0.16 0.00 | 8.99 0.16 -0.82 | 10.81 0.20 -0.91 | 12.22 0.21 -1.25 | 14.32 0.27 -1.32 | 15.48 0.31 -1.15 | 13.48 0.26 1.22 | 8.39 0.08 -1.04 | 3.29 0.02 -1.14 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| HEMPSTEAD____ 23647 | 90.42 0.22 -88.07 | 74.97 0.21 -72.64 | 70.61 0.21 -68.28 | 69.61 0.20 -67.29 | 74.97 0.20 -72.67 | 86.54 0.13 -85.16 | 92.00 0.57 -86.42 | 93.37 2.17 -71.69 | 92.05 1.16 -80.81 | 92.04 1.14 -81.12 | 72.02 0.76 -64.75 | 72.02 0.83 -64.12 | 62.27 0.91 -53.75 | 61.55 0.64 -55.68 | 60.07 0.97 -51.15 | 60.55 0.98 -51.58 | 62.27 0.94 -53.32 | 74.37 1.13 -63.54 | 71.99 1.27 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.16 1.65 -62.08 | 60.52 0.81 -52.42 | 57.70 0.23 -55.34 |
| HICKLING___1 23621 | 15.25 0.15 -12.97 | 14.30 0.11 -12.06 | 14.51 0.11 -12.28 | 14.46 0.12 -12.22 | 14.44 0.09 -12.24 | 14.56 0.08 -13.23 | 19.95 0.42 -14.53 | 33.11 1.07 -12.53 | 25.99 0.52 -15.38 | 23.33 0.55 -13.01 | 19.69 0.37 -12.79 | 19.35 0.43 -11.86 | 18.91 0.49 -10.81 | 16.85 0.35 -11.28 | 18.82 0.48 -10.39 | 18.84 0.46 -10.38 | 18.88 0.47 -10.40 | 21.73 0.53 -11.50 | 24.85 0.65 -13.45 | 27.62 0.66 -14.22 | 27.14 0.70 -12.42 | 23.35 0.90 -8.01 | 18.90 0.46 -11.16 | 14.55 0.17 -12.25 |
| HICKLING___2 23622 | 15.25 0.15 -12.97 | 14.30 0.11 -12.06 | 14.51 0.11 -12.28 | 14.46 0.12 -12.22 | 14.44 0.09 -12.24 | 14.56 0.08 -13.23 | 19.95 0.42 -14.53 | 33.11 1.07 -12.53 | 25.99 0.52 -15.38 | 23.33 0.55 -13.01 | 19.69 0.37 -12.79 | 19.35 0.43 -11.86 | 18.91 0.49 -10.81 | 16.85 0.35 -11.28 | 18.82 0.48 -10.39 | 18.84 0.46 -10.38 | 18.88 0.47 -10.40 | 21.73 0.53 -11.50 | 24.85 0.65 -13.45 | 27.62 0.66 -14.22 | 27.14 0.70 -12.42 | 23.35 0.90 -8.01 | 18.90 0.46 -11.16 | 14.55 0.17 -12.25 |
| HIGH FALLS___HY 23754 | 50.55 0.18 -48.24 | 47.80 0.18 -45.50 | 48.09 0.17 -45.80 | 47.73 0.17 -45.45 | 47.95 0.16 -45.68 | 50.64 0.11 -49.28 | 59.54 0.51 -54.03 | 68.04 1.95 -46.58 | 70.69 1.03 -59.58 | 63.07 1.00 -52.30 | 54.77 0.67 -47.58 | 51.84 0.67 -44.11 | 48.54 0.72 -40.21 | 47.67 0.50 -41.94 | 47.37 0.76 -38.65 | 47.37 0.77 -38.60 | 47.95 0.75 -39.19 | 53.97 0.94 -43.33 | 62.50 1.05 -50.70 | 67.58 1.25 -53.59 | 62.19 1.35 -46.83 | 49.29 1.34 -33.51 | 49.97 0.63 -42.07 | 48.47 0.17 -46.16 |
| HILLBURN___GT 23639 | 49.29 0.16 -47.01 | 46.25 0.15 -43.98 | 46.82 0.15 -44.56 | 46.54 0.14 -44.28 | 46.66 0.13 -44.42 | 49.32 0.09 -47.98 | 57.98 0.43 -52.54 | 66.45 1.64 -45.30 | 67.60 0.89 -56.63 | 59.33 0.87 -48.68 | 53.38 0.59 -46.27 | 50.61 0.65 -42.90 | 47.41 0.70 -39.11 | 46.50 0.49 -40.79 | 46.28 0.74 -37.59 | 46.36 0.74 -37.61 | 46.85 0.72 -38.12 | 52.72 0.88 -42.14 | 61.05 0.99 -49.31 | 66.00 1.15 -52.12 | 60.80 1.25 -45.54 | 46.33 1.26 -30.63 | 48.79 0.60 -40.92 | 47.19 0.17 -44.90 |
| HISHELDN_WT_PWR 323625 | 12.05 0.11 -9.81 | 11.30 0.07 -9.11 | 11.46 0.06 -9.29 | 11.44 0.08 -9.24 | 11.40 0.04 -9.25 | 11.31 0.05 -10.01 | 16.31 0.32 -10.99 | 29.12 0.14 -9.47 | 21.65 0.00 -11.57 | 19.61 0.10 -9.73 | 16.29 0.09 -9.68 | 16.18 0.15 -8.97 | 16.02 0.24 -8.18 | 13.93 0.17 -8.53 | 16.00 0.19 -7.86 | 16.02 0.17 -7.85 | 16.15 0.16 -7.98 | 18.61 0.10 -8.82 | 21.23 0.16 -10.32 | 23.67 0.03 -10.91 | 23.53 -0.01 -9.53 | 20.89 0.37 -6.07 | 16.10 0.26 -8.56 | 11.66 0.13 -9.40 |
| HOLTSVILLE_IC_1 23690 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.08 0.65 -86.42 | 93.68 2.48 -71.69 | 92.21 1.32 -80.81 | 92.17 1.27 -81.12 | 72.06 0.79 -64.75 | 72.06 0.87 -64.12 | 62.29 0.94 -53.75 | 61.57 0.66 -55.68 | 60.10 0.99 -51.15 | 60.58 1.00 -51.58 | 62.32 0.98 -53.32 | 74.42 1.18 -63.54 | 72.05 1.32 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.24 1.72 -62.08 | 60.56 0.86 -52.42 | 57.72 0.25 -55.34 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| HOLTSVILLE_IC_10 23699 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.66 0.26 -68.28 | 69.66 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.12 0.69 -86.42 | 93.83 2.63 -71.69 | 92.28 1.39 -80.81 | 92.24 1.34 -81.12 | 72.10 0.83 -64.75 | 72.10 0.91 -64.12 | 62.34 0.98 -53.75 | 61.60 0.68 -55.68 | 60.14 1.04 -51.15 | 60.62 1.05 -51.58 | 62.36 1.03 -53.32 | 74.48 1.24 -63.54 | 72.11 1.39 -59.97 | 91.03 1.58 -76.71 | 91.03 1.72 -75.29 | 78.32 1.81 -62.08 | 60.60 0.90 -52.42 | 57.73 0.26 -55.34 |
| HOLTSVILLE_IC_2 23691 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.08 0.65 -86.42 | 93.68 2.48 -71.69 | 92.21 1.32 -80.81 | 92.17 1.27 -81.12 | 72.06 0.79 -64.75 | 72.06 0.87 -64.12 | 62.29 0.94 -53.75 | 61.57 0.66 -55.68 | 60.10 0.99 -51.15 | 60.58 1.00 -51.58 | 62.32 0.98 -53.32 | 74.42 1.18 -63.54 | 72.05 1.32 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.24 1.72 -62.08 | 60.56 0.86 -52.42 | 57.72 0.25 -55.34 |
| HOLTSVILLE_IC_3 23692 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.08 0.65 -86.42 | 93.68 2.48 -71.69 | 92.21 1.32 -80.81 | 92.17 1.27 -81.12 | 72.06 0.79 -64.75 | 72.06 0.87 -64.12 | 62.29 0.94 -53.75 | 61.57 0.66 -55.68 | 60.10 0.99 -51.15 | 60.58 1.00 -51.58 | 62.32 0.98 -53.32 | 74.42 1.18 -63.54 | 72.05 1.32 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.24 1.72 -62.08 | 60.56 0.86 -52.42 | 57.72 0.25 -55.34 |
| HOLTSVILLE_IC_4 23693 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.08 0.65 -86.42 | 93.68 2.48 -71.69 | 92.21 1.32 -80.81 | 92.17 1.27 -81.12 | 72.06 0.79 -64.75 | 72.06 0.87 -64.12 | 62.29 0.94 -53.75 | 61.57 0.66 -55.68 | 60.10 0.99 -51.15 | 60.58 1.00 -51.58 | 62.32 0.98 -53.32 | 74.42 1.18 -63.54 | 72.05 1.32 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.24 1.72 -62.08 | 60.56 0.86 -52.42 | 57.72 0.25 -55.34 |
| HOLTSVILLE_IC_5 23694 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.08 0.65 -86.42 | 93.68 2.48 -71.69 | 92.21 1.32 -80.81 | 92.17 1.27 -81.12 | 72.06 0.79 -64.75 | 72.06 0.87 -64.12 | 62.29 0.94 -53.75 | 61.57 0.66 -55.68 | 60.10 0.99 -51.15 | 60.58 1.00 -51.58 | 62.32 0.98 -53.32 | 74.42 1.18 -63.54 | 72.05 1.32 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.24 1.72 -62.08 | 60.56 0.86 -52.42 | 57.72 0.25 -55.34 |
| HOLTSVILLE_IC_6 23695 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.66 0.26 -68.28 | 69.66 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.12 0.69 -86.42 | 93.83 2.63 -71.69 | 92.28 1.39 -80.81 | 92.24 1.34 -81.12 | 72.10 0.83 -64.75 | 72.10 0.91 -64.12 | 62.34 0.98 -53.75 | 61.60 0.68 -55.68 | 60.14 1.04 -51.15 | 60.62 1.05 -51.58 | 62.36 1.03 -53.32 | 74.48 1.24 -63.54 | 72.11 1.39 -59.97 | 91.03 1.58 -76.71 | 91.03 1.72 -75.29 | 78.32 1.81 -62.08 | 60.60 0.90 -52.42 | 57.73 0.26 -55.34 |
| HOLTSVILLE_IC_7 23696 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.66 0.26 -68.28 | 69.66 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.12 0.69 -86.42 | 93.83 2.63 -71.69 | 92.28 1.39 -80.81 | 92.24 1.34 -81.12 | 72.10 0.83 -64.75 | 72.10 0.91 -64.12 | 62.34 0.98 -53.75 | 61.60 0.68 -55.68 | 60.14 1.04 -51.15 | 60.62 1.05 -51.58 | 62.36 1.03 -53.32 | 74.48 1.24 -63.54 | 72.11 1.39 -59.97 | 91.03 1.58 -76.71 | 91.03 1.72 -75.29 | 78.32 1.81 -62.08 | 60.60 0.90 -52.42 | 57.73 0.26 -55.34 |
| HOLTSVILLE_IC_8 23697 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.66 0.26 -68.28 | 69.66 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.12 0.69 -86.42 | 93.83 2.63 -71.69 | 92.28 1.39 -80.81 | 92.24 1.34 -81.12 | 72.10 0.83 -64.75 | 72.10 0.91 -64.12 | 62.34 0.98 -53.75 | 61.60 0.68 -55.68 | 60.14 1.04 -51.15 | 60.62 1.05 -51.58 | 62.36 1.03 -53.32 | 74.48 1.24 -63.54 | 72.11 1.39 -59.97 | 91.03 1.58 -76.71 | 91.03 1.72 -75.29 | 78.32 1.81 -62.08 | 60.60 0.90 -52.42 | 57.73 0.26 -55.34 |
| HOLTSVILLE_IC_9 23698 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.66 0.26 -68.28 | 69.66 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.12 0.69 -86.42 | 93.83 2.63 -71.69 | 92.28 1.39 -80.81 | 92.24 1.34 -81.12 | 72.10 0.83 -64.75 | 72.10 0.91 -64.12 | 62.34 0.98 -53.75 | 61.60 0.68 -55.68 | 60.14 1.04 -51.15 | 60.62 1.05 -51.58 | 62.36 1.03 -53.32 | 74.48 1.24 -63.54 | 72.11 1.39 -59.97 | 91.03 1.58 -76.71 | 91.03 1.72 -75.29 | 78.32 1.81 -62.08 | 60.60 0.90 -52.42 | 57.73 0.26 -55.34 |
| HOWARD_WT_PWR 323690 | 13.22 0.13 -10.96 | 12.39 0.09 -10.18 | 12.58 0.08 -10.38 | 12.54 0.10 -10.33 | 12.51 0.07 -10.34 | 12.50 0.07 -11.18 | 17.67 0.39 -12.28 | 30.84 0.74 -10.58 | 23.32 0.29 -12.95 | 21.02 0.33 -10.91 | 17.55 0.22 -10.81 | 17.35 0.27 -10.02 | 17.08 0.33 -9.14 | 14.99 0.23 -9.53 | 17.03 0.29 -8.78 | 17.04 0.27 -8.77 | 17.23 0.30 -8.92 | 19.91 0.36 -9.86 | 22.77 0.48 -11.53 | 25.40 0.47 -12.19 | 25.16 0.49 -10.65 | 22.00 0.74 -6.82 | 17.23 0.38 -9.57 | 12.78 0.15 -10.50 |
| HQ_GEN_CEDARS 23644 | 2.06 -0.07 0.00 | 1.87 -0.06 0.19 | 2.02 -0.06 0.04 | 2.06 -0.06 0.00 | 2.00 -0.06 0.05 | 1.19 -0.04 0.02 | 4.74 -0.27 0.00 | 18.77 -0.74 0.00 | 9.02 -0.34 0.72 | 8.23 -0.36 1.19 | 6.26 -0.26 0.00 | 6.77 -0.29 0.00 | 7.26 -0.34 0.00 | 4.99 -0.24 0.00 | 7.58 -0.37 0.00 | 7.63 -0.37 0.00 | 7.65 -0.36 0.00 | 9.30 -0.40 0.00 | 10.27 -0.48 0.00 | 12.23 -0.51 0.00 | 13.50 -0.52 0.00 | 13.84 -0.61 0.00 | 7.00 -0.28 0.00 | 2.04 -0.09 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 2.06 -0.07 0.00 | 1.87 -0.06 0.19 | 2.02 -0.06 0.04 | 2.06 -0.06 0.00 | 2.00 -0.06 0.05 | 2.04 -0.04 -0.83 | 3.89 -0.27 0.85 | 18.77 -0.74 0.00 | 9.02 -0.34 0.72 | 8.23 -0.36 1.19 | 6.26 -0.26 0.00 | 6.77 -0.29 0.00 | 7.26 -0.34 0.00 | 4.99 -0.24 0.00 | 7.58 -0.37 0.00 | 7.63 -0.37 0.00 | 7.65 -0.36 0.00 | 9.30 -0.40 0.00 | 10.27 -0.48 0.00 | 12.23 -0.51 0.00 | 13.50 -0.52 0.00 | 13.84 -0.61 0.00 | 7.00 -0.28 0.00 | 2.04 -0.09 0.00 |
| HQ_GEN_IMPORT 323601 | 2.08 -0.05 0.00 | 2.08 -0.04 0.00 | 2.08 -0.04 0.00 | 2.08 -0.04 0.00 | 2.07 -0.03 0.00 | 2.08 -0.03 -0.85 | 4.01 -0.15 0.85 | 19.06 -0.45 0.00 | 9.87 -0.21 0.00 | 9.56 -0.22 0.00 | 6.36 -0.16 0.00 | 6.89 -0.18 0.00 | 7.41 -0.20 0.00 | 5.09 -0.14 0.00 | 7.74 -0.21 0.00 | 7.78 -0.22 0.00 | 7.80 -0.21 0.00 | 9.46 -0.23 0.00 | 10.47 -0.28 0.00 | 12.43 -0.31 0.00 | 13.70 -0.32 0.00 | 14.08 -0.36 0.00 | 7.11 -0.17 0.00 | 2.08 -0.05 0.00 |
| HQ_GEN_WHEEL 23651 | 2.08 -0.05 0.00 | 2.08 -0.04 0.00 | 2.08 -0.04 0.00 | 2.08 -0.04 0.00 | 2.07 -0.03 0.00 | 2.08 -0.03 -0.85 | 4.01 -0.15 0.85 | 19.06 -0.45 0.00 | 9.87 -0.21 0.00 | 9.56 -0.22 0.00 | 6.36 -0.16 0.00 | 6.89 -0.18 0.00 | 7.41 -0.20 0.00 | 5.09 -0.14 0.00 | 7.74 -0.21 0.00 | 7.78 -0.22 0.00 | 7.80 -0.21 0.00 | 9.46 -0.23 0.00 | 10.47 -0.28 0.00 | 12.43 -0.31 0.00 | 13.70 -0.32 0.00 | 14.08 -0.36 0.00 | 7.11 -0.17 0.00 | 2.08 -0.05 0.00 |
| HUDSON_AVE_GT_3 23810 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.84 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.49 -54.01 | 67.95 1.87 -46.57 | 69.33 1.01 -58.24 | 60.86 1.00 -50.08 | 54.76 0.67 -47.56 | 51.91 0.75 -44.10 | 48.62 0.81 -40.20 | 47.73 0.57 -41.93 | 47.46 0.87 -38.64 | 47.46 0.87 -38.59 | 48.03 0.84 -39.18 | 54.04 1.03 -43.32 | 62.59 1.15 -50.68 | 67.65 1.34 -53.58 | 62.29 1.46 -46.81 | 47.46 1.46 -31.56 | 50.03 0.69 -42.06 | 48.47 0.19 -46.15 |

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| HUDSON AVE_GT_4 23540 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.84 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.49 -54.01 | 67.95 1.87 -46.57 | 69.33 1.01 -58.24 | 60.86 1.00 -50.08 | 54.76 0.67 -47.56 | 51.91 0.75 -44.10 | 48.62 0.81 -40.20 | 47.73 0.57 -41.93 | 47.46 0.87 -38.64 | 47.46 0.87 -38.59 | 48.03 0.84 -39.18 | 54.04 1.03 -43.32 | 62.59 1.15 -50.68 | 67.65 1.34 -53.58 | 62.29 1.46 -46.81 | 47.46 1.46 -31.56 | 50.03 0.69 -42.06 | 48.47 0.19 -46.15 |
| HUDSON AVE_GT_5 23657 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.84 0.15 -45.58 | 50.58 0.10 -49.22 | 59.50 0.49 -54.01 | 67.95 1.87 -46.57 | 69.33 1.01 -58.24 | 60.86 1.00 -50.08 | 54.76 0.67 -47.56 | 51.91 0.75 -44.10 | 48.62 0.81 -40.20 | 47.73 0.57 -41.93 | 47.46 0.87 -38.64 | 47.46 0.87 -38.59 | 48.03 0.84 -39.18 | 54.04 1.03 -43.32 | 62.59 1.15 -50.68 | 67.65 1.34 -53.58 | 62.29 1.46 -46.81 | 47.46 1.46 -31.56 | 50.03 0.69 -42.06 | 48.47 0.19 -46.15 |
| HUDSON_AVE_10 24168 | 50.53 0.17 -48.23 | 47.41 0.16 -45.13 | 48.00 0.16 -45.72 | 47.70 0.15 -45.43 | 47.83 0.15 -45.58 | 50.57 0.10 -49.22 | 59.49 0.47 -54.01 | 67.87 1.79 -46.57 | 69.29 0.98 -58.24 | 60.82 0.96 -50.08 | 54.73 0.65 -47.56 | 51.87 0.71 -44.10 | 48.58 0.78 -40.20 | 47.70 0.54 -41.93 | 47.43 0.83 -38.64 | 47.43 0.84 -38.59 | 47.99 0.80 -39.18 | 54.01 0.99 -43.32 | 62.53 1.10 -50.68 | 67.60 1.29 -53.58 | 62.23 1.40 -46.81 | 47.40 1.40 -31.56 | 50.00 0.67 -42.06 | 48.47 0.19 -46.15 |
| HUNTER MOUNT___DRP 323613 | 54.77 0.22 -52.42 | 52.41 0.22 -50.07 | 52.23 0.21 -49.90 | 51.71 0.21 -49.38 | 52.12 0.20 -49.81 | 55.00 0.13 -53.61 | 64.28 0.57 -58.71 | 72.26 2.13 -50.62 | 78.26 1.10 -67.08 | 71.52 1.05 -60.70 | 58.91 0.69 -51.70 | 55.66 0.67 -47.93 | 52.03 0.73 -43.70 | 51.30 0.50 -45.57 | 50.70 0.75 -42.00 | 50.70 0.76 -41.94 | 51.35 0.75 -42.59 | 57.71 0.92 -47.09 | 66.90 1.05 -55.10 | 72.22 1.25 -58.24 | 66.24 1.33 -50.89 | 55.61 1.36 -39.81 | 53.68 0.68 -45.72 | 52.48 0.18 -50.17 |
| HUNTINGTON_RES_REC 323705 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.24 -68.28 | 69.64 0.23 -67.29 | 74.99 0.22 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.56 2.36 -71.69 | 92.15 1.26 -80.81 | 92.14 1.24 -81.12 | 72.03 0.76 -64.75 | 72.02 0.83 -64.12 | 62.27 0.91 -53.75 | 61.56 0.64 -55.68 | 60.09 0.99 -51.15 | 60.57 0.99 -51.58 | 62.28 0.95 -53.32 | 74.39 1.15 -63.54 | 72.02 1.29 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.18 1.66 -62.08 | 60.55 0.85 -52.42 | 57.72 0.25 -55.34 |
| HUNTLEY___63 23557 | 11.09 0.14 -8.83 | 10.40 0.10 -8.19 | 10.55 0.08 -8.35 | 10.54 0.11 -8.32 | 10.49 0.06 -8.32 | 10.32 0.06 -9.00 | 15.26 0.37 -9.89 | 28.21 0.18 -8.52 | 20.50 0.03 -10.39 | 18.65 0.16 -8.72 | 15.36 0.14 -8.71 | 15.35 0.21 -8.07 | 15.30 0.33 -7.36 | 13.15 0.25 -7.67 | 15.30 0.28 -7.07 | 15.31 0.25 -7.06 | 15.39 0.19 -7.18 | 17.73 0.10 -7.94 | 20.21 0.17 -9.29 | 22.53 -0.03 -9.82 | 22.54 -0.06 -8.58 | 20.28 0.40 -5.44 | 15.31 0.32 -7.71 | 10.75 0.16 -8.46 |
| HUNTLEY___64 23558 | 11.09 0.14 -8.83 | 10.40 0.10 -8.19 | 10.55 0.08 -8.35 | 10.54 0.11 -8.32 | 10.49 0.06 -8.32 | 10.32 0.06 -9.00 | 15.26 0.37 -9.89 | 28.21 0.18 -8.52 | 20.50 0.03 -10.39 | 18.65 0.16 -8.72 | 15.36 0.14 -8.71 | 15.35 0.21 -8.07 | 15.30 0.33 -7.36 | 13.15 0.25 -7.67 | 15.30 0.28 -7.07 | 15.31 0.25 -7.06 | 15.39 0.19 -7.18 | 17.73 0.10 -7.94 | 20.21 0.17 -9.29 | 22.53 -0.03 -9.82 | 22.54 -0.06 -8.58 | 20.28 0.40 -5.44 | 15.31 0.32 -7.71 | 10.75 0.16 -8.46 |
| HUNTLEY___65 23559 | 11.09 0.14 -8.83 | 10.40 0.10 -8.19 | 10.55 0.08 -8.35 | 10.54 0.11 -8.32 | 10.49 0.06 -8.32 | 10.32 0.06 -9.00 | 15.26 0.37 -9.89 | 28.21 0.18 -8.52 | 20.50 0.03 -10.39 | 18.65 0.16 -8.72 | 15.36 0.14 -8.71 | 15.35 0.21 -8.07 | 15.30 0.33 -7.36 | 13.15 0.25 -7.67 | 15.30 0.28 -7.07 | 15.31 0.25 -7.06 | 15.39 0.19 -7.18 | 17.73 0.10 -7.94 | 20.21 0.17 -9.29 | 22.53 -0.03 -9.82 | 22.54 -0.06 -8.58 | 20.28 0.40 -5.44 | 15.31 0.32 -7.71 | 10.75 0.16 -8.46 |
| HUNTLEY___66 23560 | 11.09 0.14 -8.83 | 10.40 0.10 -8.19 | 10.55 0.08 -8.35 | 10.54 0.11 -8.32 | 10.49 0.06 -8.32 | 10.32 0.06 -9.00 | 15.26 0.37 -9.89 | 28.21 0.18 -8.52 | 20.50 0.03 -10.39 | 18.65 0.16 -8.72 | 15.36 0.14 -8.71 | 15.35 0.21 -8.07 | 15.30 0.33 -7.36 | 13.15 0.25 -7.67 | 15.30 0.28 -7.07 | 15.31 0.25 -7.06 | 15.39 0.19 -7.18 | 17.73 0.10 -7.94 | 20.21 0.17 -9.29 | 22.53 -0.03 -9.82 | 22.54 -0.06 -8.58 | 20.28 0.40 -5.44 | 15.31 0.32 -7.71 | 10.75 0.16 -8.46 |
| HUNTLEY___67 23561 | 11.26 0.12 -9.02 | 10.56 0.08 -8.36 | 10.72 0.07 -8.53 | 10.70 0.09 -8.49 | 10.65 0.04 -8.50 | 10.50 0.05 -9.19 | 15.43 0.33 -10.10 | 28.27 0.06 -8.71 | 20.65 -0.04 -10.61 | 18.78 0.09 -8.91 | 15.50 0.09 -8.89 | 15.47 0.16 -8.24 | 15.39 0.27 -7.52 | 13.26 0.19 -7.84 | 15.39 0.21 -7.22 | 15.40 0.18 -7.21 | 15.48 0.14 -7.33 | 17.84 0.04 -8.11 | 20.33 0.10 -9.49 | 22.66 -0.10 -10.03 | 22.63 -0.15 -8.76 | 20.29 0.29 -5.56 | 15.41 0.26 -7.87 | 10.91 0.14 -8.64 |
| HUNTLEY___68 23562 | 11.26 0.12 -9.02 | 10.56 0.08 -8.36 | 10.72 0.07 -8.53 | 10.70 0.09 -8.49 | 10.65 0.04 -8.50 | 10.50 0.05 -9.19 | 15.43 0.33 -10.10 | 28.27 0.06 -8.71 | 20.65 -0.04 -10.61 | 18.78 0.09 -8.91 | 15.50 0.09 -8.89 | 15.47 0.16 -8.24 | 15.39 0.27 -7.52 | 13.26 0.19 -7.84 | 15.39 0.21 -7.22 | 15.40 0.18 -7.21 | 15.48 0.14 -7.33 | 17.84 0.04 -8.11 | 20.33 0.10 -9.49 | 22.66 -0.10 -10.03 | 22.63 -0.15 -8.76 | 20.29 0.29 -5.56 | 15.41 0.26 -7.87 | 10.91 0.14 -8.64 |
| HYLAND___LFGE 323620 | 11.41 0.21 -9.07 | 10.71 0.17 -8.42 | 10.87 0.17 -8.59 | 10.84 0.18 -8.55 | 10.81 0.15 -8.55 | 10.62 0.11 -9.25 | 15.75 0.58 -10.16 | 29.93 1.66 -8.76 | 21.46 0.71 -10.68 | 19.41 0.67 -8.96 | 15.92 0.46 -8.95 | 15.84 0.48 -8.30 | 15.75 0.59 -7.56 | 13.50 0.39 -7.89 | 15.75 0.53 -7.27 | 15.79 0.53 -7.26 | 15.97 0.58 -7.38 | 18.54 0.69 -8.16 | 21.14 0.85 -9.54 | 23.78 0.96 -10.09 | 23.86 1.02 -8.81 | 21.26 1.23 -5.59 | 15.79 0.59 -7.92 | 11.03 0.20 -8.69 |
| INDECK___CORINTH 23802 | 69.46 0.22 -67.12 | 68.84 0.21 -66.51 | 66.70 0.21 -64.37 | 65.56 0.21 -63.23 | 66.71 0.21 -64.40 | 70.24 0.09 -68.90 | 80.56 0.38 -75.18 | 85.77 1.44 -64.82 | 105.53 0.65 -94.79 | 102.86 0.64 -92.45 | 73.14 0.42 -66.20 | 68.93 0.49 -61.38 | 64.07 0.51 -55.96 | 63.92 0.34 -58.36 | 62.22 0.49 -53.79 | 62.20 0.50 -53.70 | 63.10 0.53 -54.56 | 70.65 0.63 -60.32 | 82.02 0.69 -70.58 | 88.16 0.82 -74.61 | 80.13 0.92 -65.19 | 79.83 1.44 -63.94 | 66.56 0.71 -58.57 | 66.58 0.19 -64.27 |
| INDECK___ILION 23567 | 2.15 0.03 0.00 | 1.44 0.03 0.71 | 2.00 0.02 0.14 | 2.14 0.03 0.00 | 1.94 0.02 0.19 | 1.19 0.02 0.08 | 5.08 0.08 0.00 | 19.80 0.29 0.00 | 7.59 0.14 2.63 | 5.56 0.14 4.36 | 6.62 0.10 0.00 | 7.18 0.11 0.00 | 7.72 0.11 0.00 | 5.31 0.08 0.00 | 8.08 0.13 0.00 | 8.13 0.13 0.00 | 8.13 0.12 0.00 | 9.84 0.15 0.00 | 10.93 0.18 0.00 | 12.94 0.20 0.00 | 14.26 0.24 0.00 | 12.02 0.26 2.69 | 7.39 0.12 0.00 | 2.17 0.03 0.00 |
| INDECK___OLEAN 23982 | 12.56 0.16 -10.27 | 11.77 0.11 -9.54 | 11.94 0.10 -9.73 | 11.92 0.12 -9.68 | 11.87 0.08 -9.69 | 11.80 0.07 -10.48 | 16.96 0.45 -11.51 | 29.92 0.49 -9.92 | 22.36 0.15 -12.13 | 20.19 0.20 -10.21 | 16.81 0.16 -10.13 | 16.66 0.20 -9.39 | 16.43 0.27 -8.56 | 14.35 0.19 -8.93 | 16.40 0.22 -8.23 | 16.44 0.22 -8.22 | 16.58 0.19 -8.38 | 19.11 0.15 -9.26 | 21.83 0.25 -10.83 | 24.36 0.18 -11.45 | 24.19 0.17 -10.00 | 21.33 0.49 -6.39 | 16.59 0.32 -8.99 | 12.16 0.17 -9.86 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| INDECK___OSWEGO 23783 | 6.61 0.07 -4.42 | 6.06 0.05 -3.90 | 6.31 0.05 -4.14 | 6.33 0.05 -4.16 | 6.26 0.04 -4.11 | 5.77 0.03 -4.49 | 10.17 0.22 -4.95 | 24.58 0.80 -4.27 | 14.86 0.34 -4.44 | 13.23 0.34 -3.11 | 11.10 0.22 -4.36 | 11.34 0.23 -4.04 | 11.55 0.26 -3.68 | 9.26 0.19 -3.84 | 11.79 0.29 -3.54 | 11.82 0.29 -3.54 | 11.96 0.31 -3.64 | 14.08 0.36 -4.02 | 15.86 0.43 -4.68 | 18.17 0.48 -4.95 | 18.87 0.53 -4.32 | 16.57 0.53 -1.60 | 11.37 0.21 -3.88 | 6.46 0.06 -4.26 |
| INDECK___YERKES 23781 | 11.10 0.14 -8.83 | 10.40 0.10 -8.19 | 10.56 0.09 -8.35 | 10.54 0.11 -8.32 | 10.49 0.06 -8.32 | 10.32 0.07 -9.00 | 15.27 0.38 -9.89 | 28.23 0.20 -8.52 | 20.51 0.04 -10.39 | 18.66 0.17 -8.72 | 15.37 0.14 -8.71 | 15.35 0.22 -8.07 | 15.30 0.34 -7.36 | 13.16 0.25 -7.67 | 15.32 0.29 -7.07 | 15.32 0.26 -7.06 | 15.39 0.20 -7.18 | 17.74 0.11 -7.94 | 20.22 0.18 -9.29 | 22.56 0.00 -9.82 | 22.56 -0.04 -8.58 | 20.30 0.42 -5.44 | 15.31 0.33 -7.71 | 10.75 0.16 -8.46 |
| INDIAN POINT_GT_1 24139 | 50.20 0.16 -47.91 | 47.11 0.15 -44.83 | 47.69 0.15 -45.42 | 47.40 0.15 -45.13 | 47.52 0.14 -45.28 | 50.25 0.09 -48.90 | 59.16 0.44 -53.72 | 67.48 1.66 -46.32 | 68.88 0.90 -57.90 | 60.43 0.88 -49.78 | 54.42 0.60 -47.31 | 51.58 0.66 -43.86 | 48.31 0.72 -39.98 | 47.43 0.50 -41.70 | 47.15 0.76 -38.43 | 47.10 0.77 -38.34 | 47.72 0.75 -38.97 | 53.69 0.91 -43.08 | 62.18 1.02 -50.41 | 67.22 1.20 -53.28 | 61.88 1.30 -46.56 | 47.13 1.31 -31.38 | 49.72 0.62 -41.83 | 48.20 0.17 -45.90 |
| INDIAN POINT_GT_2 23659 | 50.20 0.16 -47.91 | 47.11 0.15 -44.83 | 47.69 0.15 -45.42 | 47.40 0.15 -45.13 | 47.52 0.14 -45.28 | 50.25 0.09 -48.90 | 59.16 0.44 -53.72 | 67.48 1.66 -46.32 | 68.88 0.90 -57.90 | 60.43 0.88 -49.78 | 54.42 0.60 -47.31 | 51.58 0.66 -43.86 | 48.31 0.72 -39.98 | 47.43 0.50 -41.70 | 47.15 0.76 -38.43 | 47.10 0.77 -38.34 | 47.72 0.75 -38.97 | 53.69 0.91 -43.08 | 62.18 1.02 -50.41 | 67.22 1.20 -53.28 | 61.88 1.30 -46.56 | 47.13 1.31 -31.38 | 49.72 0.62 -41.83 | 48.20 0.17 -45.90 |
| INDIAN POINT_GT_3 24019 | 50.20 0.16 -47.91 | 47.11 0.15 -44.83 | 47.69 0.15 -45.42 | 47.40 0.15 -45.13 | 47.52 0.14 -45.28 | 50.25 0.09 -48.90 | 59.16 0.44 -53.72 | 67.48 1.66 -46.32 | 68.88 0.90 -57.90 | 60.43 0.88 -49.78 | 54.42 0.60 -47.31 | 51.58 0.66 -43.86 | 48.31 0.72 -39.98 | 47.43 0.50 -41.70 | 47.15 0.76 -38.43 | 47.10 0.77 -38.34 | 47.72 0.75 -38.97 | 53.69 0.91 -43.08 | 62.18 1.02 -50.41 | 67.22 1.20 -53.28 | 61.88 1.30 -46.56 | 47.13 1.31 -31.38 | 49.72 0.62 -41.83 | 48.20 0.17 -45.90 |
| INDIAN POINT___2 23530 | 49.91 0.16 -47.62 | 46.83 0.15 -44.56 | 47.41 0.15 -45.14 | 47.13 0.15 -44.86 | 47.25 0.14 -45.00 | 49.95 0.09 -48.61 | 58.78 0.43 -53.34 | 67.16 1.66 -45.99 | 68.46 0.89 -57.49 | 60.07 0.87 -49.42 | 54.09 0.59 -46.97 | 51.27 0.66 -43.55 | 48.01 0.71 -39.70 | 47.13 0.50 -41.41 | 46.87 0.76 -38.16 | 46.87 0.76 -38.11 | 47.43 0.73 -38.69 | 53.37 0.89 -42.78 | 61.80 1.00 -50.05 | 66.82 1.17 -52.91 | 61.52 1.28 -46.23 | 46.86 1.28 -31.14 | 49.42 0.61 -41.53 | 47.88 0.17 -45.58 |
| INDIAN POINT___3 23531 | 50.26 0.16 -47.98 | 47.17 0.15 -44.90 | 47.75 0.15 -45.48 | 47.46 0.15 -45.20 | 47.58 0.14 -45.34 | 50.31 0.09 -48.97 | 59.17 0.43 -53.73 | 67.48 1.64 -46.33 | 68.90 0.89 -57.93 | 60.46 0.87 -49.81 | 54.43 0.59 -47.32 | 51.58 0.65 -43.87 | 48.31 0.71 -40.00 | 47.43 0.49 -41.71 | 47.14 0.75 -38.44 | 47.14 0.75 -38.39 | 47.72 0.73 -38.98 | 53.68 0.89 -43.10 | 62.17 1.00 -50.42 | 67.19 1.16 -53.30 | 61.86 1.28 -46.57 | 47.11 1.28 -31.39 | 49.72 0.60 -41.84 | 48.21 0.17 -45.91 |
| IP CORINTH___1 23988 | 69.46 0.22 -67.12 | 68.84 0.21 -66.51 | 66.70 0.21 -64.37 | 65.56 0.21 -63.23 | 66.71 0.21 -64.40 | 70.25 0.10 -68.90 | 80.59 0.41 -75.18 | 85.89 1.56 -64.82 | 105.59 0.72 -94.79 | 102.92 0.69 -92.45 | 73.18 0.46 -66.20 | 68.96 0.52 -61.38 | 64.12 0.55 -55.96 | 63.95 0.36 -58.36 | 62.26 0.52 -53.79 | 62.24 0.54 -53.70 | 63.14 0.57 -54.56 | 70.71 0.69 -60.32 | 82.08 0.75 -70.58 | 88.23 0.89 -74.61 | 80.22 1.01 -65.19 | 79.83 1.44 -63.94 | 66.56 0.71 -58.57 | 66.58 0.19 -64.27 |
| IP___TICONDEROGA 23804 | 69.39 0.30 -66.96 | 68.75 0.29 -66.34 | 66.62 0.29 -64.22 | 65.49 0.29 -63.08 | 66.64 0.29 -64.24 | 70.14 0.15 -68.73 | 80.67 0.66 -75.00 | 86.73 2.56 -64.67 | 105.75 1.15 -94.52 | 103.05 1.11 -92.15 | 73.28 0.71 -66.05 | 69.12 0.83 -61.23 | 64.29 0.86 -55.83 | 64.02 0.57 -58.22 | 62.45 0.83 -53.66 | 62.44 0.86 -53.58 | 63.34 0.90 -54.43 | 70.97 1.10 -60.18 | 82.37 1.20 -70.42 | 88.61 1.44 -74.43 | 80.66 1.61 -65.04 | 80.14 1.98 -63.72 | 66.71 1.00 -58.43 | 66.51 0.26 -64.12 |
| ISLIP_RES_REC 323679 | 90.47 0.27 -88.07 | 75.03 0.26 -72.64 | 70.67 0.27 -68.28 | 69.67 0.26 -67.29 | 75.02 0.25 -72.67 | 86.58 0.16 -85.16 | 92.15 0.72 -86.42 | 93.95 2.75 -71.69 | 92.34 1.45 -80.81 | 92.30 1.41 -81.12 | 72.14 0.87 -64.75 | 72.15 0.96 -64.12 | 62.38 1.03 -53.75 | 61.63 0.72 -55.68 | 60.18 1.08 -51.15 | 60.66 1.09 -51.58 | 62.41 1.07 -53.32 | 74.54 1.30 -63.54 | 72.17 1.44 -59.97 | 91.09 1.64 -76.71 | 91.10 1.79 -75.29 | 78.40 1.88 -62.08 | 60.63 0.93 -52.42 | 57.74 0.27 -55.34 |
| JARVIS____ 23743 | 2.13 0.01 0.00 | 1.41 0.00 0.71 | 1.98 0.00 0.14 | 2.12 0.00 0.00 | 1.92 0.00 0.19 | 1.18 0.00 0.08 | 5.03 0.03 0.00 | 19.61 0.10 0.00 | 7.49 0.04 2.63 | 5.46 0.04 4.36 | 6.55 0.03 0.00 | 7.09 0.03 0.00 | 7.64 0.04 0.00 | 5.25 0.02 0.00 | 7.99 0.04 0.00 | 8.04 0.04 0.00 | 8.03 0.02 0.00 | 9.73 0.03 0.00 | 10.79 0.04 0.00 | 12.77 0.04 0.00 | 14.06 0.04 0.00 | 11.81 0.06 2.69 | 7.30 0.02 0.00 | 2.14 0.01 0.00 |
| JENNISON___1 23625 | 21.62 0.14 -19.36 | 20.60 0.12 -18.36 | 20.63 0.11 -18.40 | 20.48 0.12 -18.24 | 20.57 0.11 -18.36 | 21.11 0.07 -19.79 | 27.08 0.40 -21.68 | 39.55 1.35 -18.69 | 34.94 0.58 -24.27 | 31.94 0.58 -21.59 | 26.00 0.39 -19.09 | 25.20 0.44 -17.70 | 24.21 0.47 -16.14 | 22.39 0.32 -16.83 | 23.94 0.48 -15.51 | 24.00 0.50 -15.49 | 24.25 0.50 -15.74 | 27.69 0.59 -17.41 | 31.81 0.70 -20.36 | 35.03 0.76 -21.53 | 33.68 0.86 -18.81 | 29.37 0.91 -14.01 | 24.61 0.43 -16.90 | 20.81 0.14 -18.54 |
| JENNISON___2 23626 | 21.62 0.14 -19.36 | 20.60 0.12 -18.36 | 20.63 0.11 -18.40 | 20.48 0.12 -18.24 | 20.57 0.11 -18.36 | 21.11 0.07 -19.79 | 27.08 0.40 -21.68 | 39.55 1.35 -18.69 | 34.94 0.58 -24.27 | 31.94 0.58 -21.59 | 26.00 0.39 -19.09 | 25.20 0.44 -17.70 | 24.21 0.47 -16.14 | 22.39 0.32 -16.83 | 23.94 0.48 -15.51 | 24.00 0.50 -15.49 | 24.25 0.50 -15.74 | 27.69 0.59 -17.41 | 31.81 0.70 -20.36 | 35.03 0.76 -21.53 | 33.68 0.86 -18.81 | 29.37 0.91 -14.01 | 24.61 0.43 -16.90 | 20.81 0.14 -18.54 |
| JERICHO_RISE_WT_PWR 323719 | 2.07 -0.06 0.00 | 1.88 -0.05 0.19 | 2.03 -0.04 0.04 | 2.07 -0.05 0.00 | 2.01 -0.05 0.05 | 1.20 -0.03 0.02 | 4.81 -0.20 0.00 | 18.87 -0.64 0.00 | 9.02 -0.34 0.72 | 8.17 -0.42 1.19 | 6.19 -0.33 0.00 | 6.67 -0.40 0.00 | 7.09 -0.51 0.00 | 4.86 -0.37 0.00 | 7.39 -0.56 0.00 | 7.45 -0.55 0.00 | 7.49 -0.52 0.00 | 9.17 -0.52 0.00 | 10.12 -0.63 0.00 | 12.11 -0.62 0.00 | 13.36 -0.66 0.00 | 13.65 -0.79 0.00 | 6.95 -0.33 0.00 | 1.99 -0.14 0.00 |
| KCE_NY_1 323755 | 69.08 0.21 -66.74 | 68.43 0.21 -66.10 | 66.32 0.21 -64.00 | 65.20 0.21 -62.87 | 66.34 0.20 -64.03 | 69.88 0.12 -68.51 | 80.24 0.48 -74.76 | 85.76 1.79 -64.45 | 105.10 0.88 -94.15 | 102.38 0.86 -91.74 | 72.91 0.56 -65.83 | 68.72 0.63 -61.03 | 63.92 0.68 -55.64 | 63.71 0.45 -58.03 | 62.10 0.67 -53.49 | 62.07 0.67 -53.40 | 62.96 0.70 -54.25 | 70.50 0.82 -59.98 | 81.86 0.92 -70.18 | 88.01 1.08 -74.19 | 80.04 1.21 -64.82 | 79.26 1.40 -63.42 | 66.22 0.70 -58.24 | 66.22 0.19 -63.90 |

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| KEDC PORT_JEFF_GT2 24210 | 90.46 0.26 -88.07 | 75.01 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.24 -67.29 | 75.01 0.23 -72.67 | 86.57 0.15 -85.16 | 92.10 0.67 -86.42 | 93.76 2.56 -71.69 | 92.24 1.35 -80.81 | 92.21 1.31 -81.12 | 72.08 0.81 -64.75 | 72.08 0.89 -64.12 | 62.32 0.96 -53.75 | 61.58 0.67 -55.68 | 60.12 1.02 -51.15 | 60.60 1.02 -51.58 | 62.34 1.01 -53.32 | 74.46 1.22 -63.54 | 72.08 1.35 -59.97 | 90.91 1.46 -76.71 | 90.90 1.60 -75.29 | 78.28 1.76 -62.08 | 60.58 0.88 -52.42 | 57.72 0.26 -55.34 |
| KEDC PORT_JEFF_GT3 24211 | 90.46 0.26 -88.07 | 75.01 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.24 -67.29 | 75.01 0.23 -72.67 | 86.57 0.15 -85.16 | 92.10 0.67 -86.42 | 93.76 2.56 -71.69 | 92.24 1.35 -80.81 | 92.21 1.31 -81.12 | 72.08 0.81 -64.75 | 72.08 0.89 -64.12 | 62.32 0.96 -53.75 | 61.58 0.67 -55.68 | 60.12 1.02 -51.15 | 60.60 1.02 -51.58 | 62.34 1.01 -53.32 | 74.46 1.22 -63.54 | 72.08 1.35 -59.97 | 90.91 1.46 -76.71 | 90.90 1.60 -75.29 | 78.28 1.76 -62.08 | 60.58 0.88 -52.42 | 57.72 0.26 -55.34 |
| KEDC_GLWD_GT4 24219 | 90.41 0.21 -88.07 | 74.97 0.20 -72.64 | 70.60 0.20 -68.28 | 69.60 0.19 -67.29 | 74.96 0.19 -72.67 | 86.54 0.12 -85.16 | 91.99 0.56 -86.42 | 93.31 2.11 -71.69 | 92.03 1.14 -80.81 | 92.01 1.11 -81.12 | 72.02 0.75 -64.75 | 72.01 0.83 -64.12 | 62.26 0.90 -53.75 | 61.54 0.63 -55.68 | 60.06 0.95 -51.15 | 60.54 0.96 -51.58 | 62.26 0.93 -53.32 | 74.36 1.12 -63.54 | 71.98 1.26 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.15 1.63 -62.08 | 60.49 0.79 -52.42 | 57.69 0.22 -55.34 |
| KEDC_GLWD_GT5 24220 | 90.41 0.21 -88.07 | 74.97 0.20 -72.64 | 70.60 0.20 -68.28 | 69.60 0.19 -67.29 | 74.96 0.19 -72.67 | 86.54 0.12 -85.16 | 91.99 0.56 -86.42 | 93.31 2.11 -71.69 | 92.03 1.14 -80.81 | 92.01 1.11 -81.12 | 72.02 0.75 -64.75 | 72.01 0.83 -64.12 | 62.26 0.90 -53.75 | 61.54 0.63 -55.68 | 60.06 0.95 -51.15 | 60.54 0.96 -51.58 | 62.26 0.93 -53.32 | 74.36 1.12 -63.54 | 71.98 1.26 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.15 1.63 -62.08 | 60.49 0.79 -52.42 | 57.69 0.22 -55.34 |
| KENSICO____ 23655 | 50.47 0.17 -48.17 | 47.36 0.16 -45.08 | 47.94 0.16 -45.67 | 47.65 0.15 -45.38 | 47.77 0.15 -45.52 | 50.52 0.10 -49.17 | 59.41 0.45 -53.95 | 67.74 1.72 -46.52 | 69.18 0.93 -58.17 | 60.71 0.91 -50.03 | 54.65 0.62 -47.51 | 51.79 0.68 -44.05 | 48.50 0.74 -40.16 | 47.63 0.52 -41.88 | 47.34 0.79 -38.60 | 47.34 0.79 -38.54 | 47.92 0.77 -39.14 | 53.90 0.93 -43.27 | 62.42 1.04 -50.63 | 67.47 1.22 -53.52 | 62.11 1.33 -46.76 | 47.31 1.34 -31.52 | 49.92 0.63 -42.01 | 48.41 0.18 -46.10 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 49.23 0.19 -46.92 | 46.45 0.18 -44.15 | 46.82 0.18 -44.53 | 46.49 0.17 -44.20 | 46.67 0.16 -44.40 | 49.28 0.11 -47.91 | 58.06 0.52 -52.54 | 66.78 1.97 -45.30 | 68.68 1.04 -57.57 | 61.02 1.01 -50.23 | 53.47 0.68 -46.27 | 50.64 0.68 -42.90 | 47.44 0.73 -39.11 | 46.52 0.51 -40.79 | 46.31 0.77 -37.59 | 46.32 0.78 -37.54 | 46.88 0.75 -38.12 | 52.79 0.95 -42.14 | 61.13 1.08 -49.31 | 66.13 1.27 -52.12 | 60.92 1.36 -45.54 | 47.83 1.36 -32.03 | 48.82 0.63 -40.91 | 47.20 0.17 -44.89 |
| KIAC_JFK_GT1 23816 | 50.52 0.17 -48.23 | 47.40 0.15 -45.13 | 47.99 0.16 -45.72 | 47.69 0.14 -45.43 | 47.82 0.13 -45.58 | 50.57 0.09 -49.22 | 59.48 0.46 -54.01 | 67.87 1.79 -46.57 | 69.29 0.98 -58.24 | 60.82 0.96 -50.08 | 54.70 0.62 -47.56 | 51.85 0.69 -44.10 | 48.56 0.75 -40.20 | 47.69 0.53 -41.93 | 47.41 0.81 -38.64 | 47.41 0.82 -38.59 | 47.97 0.78 -39.18 | 53.98 0.96 -43.32 | 62.50 1.06 -50.68 | 67.56 1.25 -53.58 | 62.19 1.36 -46.81 | 47.36 1.36 -31.56 | 50.00 0.67 -42.06 | 48.46 0.18 -46.15 |
| KIAC_JFK_GT2 23817 | 50.52 0.17 -48.23 | 47.40 0.15 -45.13 | 47.99 0.16 -45.72 | 47.69 0.14 -45.43 | 47.82 0.13 -45.58 | 50.57 0.09 -49.22 | 59.48 0.46 -54.01 | 67.87 1.79 -46.57 | 69.29 0.98 -58.24 | 60.82 0.96 -50.08 | 54.70 0.62 -47.56 | 51.85 0.69 -44.10 | 48.56 0.75 -40.20 | 47.69 0.53 -41.93 | 47.41 0.81 -38.64 | 47.41 0.82 -38.59 | 47.97 0.78 -39.18 | 53.98 0.96 -43.32 | 62.50 1.06 -50.68 | 67.56 1.25 -53.58 | 62.19 1.36 -46.81 | 47.36 1.36 -31.56 | 50.00 0.67 -42.06 | 48.46 0.18 -46.15 |
| KINTIGH____ 23543 | 9.82 0.08 -7.61 | 9.22 0.05 -7.05 | 9.36 0.04 -7.20 | 9.34 0.06 -7.17 | 9.30 0.03 -7.17 | 9.05 0.04 -7.76 | 13.77 0.24 -8.52 | 26.84 -0.02 -7.35 | 18.92 -0.08 -8.92 | 17.27 0.03 -7.46 | 14.07 0.05 -7.51 | 14.12 0.10 -6.96 | 14.13 0.18 -6.34 | 11.98 0.13 -6.62 | 14.19 0.14 -6.10 | 14.21 0.12 -6.09 | 14.29 0.08 -6.20 | 16.54 -0.01 -6.85 | 18.79 0.02 -8.01 | 21.04 -0.17 -8.47 | 21.21 -0.21 -7.40 | 19.22 0.13 -4.65 | 14.08 0.15 -6.65 | 9.52 0.09 -7.30 |
| LACHUTE____HYDRO 323717 | 69.39 0.30 -66.96 | 68.75 0.29 -66.34 | 66.62 0.29 -64.22 | 65.49 0.29 -63.08 | 66.64 0.29 -64.24 | 70.14 0.15 -68.73 | 80.67 0.66 -75.00 | 86.73 2.56 -64.67 | 105.75 1.15 -94.52 | 103.05 1.11 -92.15 | 73.28 0.71 -66.05 | 69.12 0.83 -61.23 | 64.29 0.86 -55.83 | 64.02 0.57 -58.22 | 62.45 0.83 -53.66 | 62.44 0.86 -53.58 | 63.34 0.90 -54.43 | 70.97 1.10 -60.18 | 82.37 1.20 -70.42 | 88.61 1.44 -74.43 | 80.66 1.61 -65.04 | 80.14 1.98 -63.72 | 66.71 1.00 -58.43 | 66.51 0.26 -64.12 |
| LEDERLE____ 23769 | 49.56 0.17 -47.26 | 46.50 0.16 -44.22 | 47.08 0.16 -44.80 | 46.79 0.15 -44.52 | 46.91 0.15 -44.66 | 49.59 0.10 -48.24 | 58.46 0.45 -53.00 | 66.94 1.74 -45.69 | 68.11 0.94 -57.10 | 59.75 0.91 -49.07 | 53.81 0.62 -46.67 | 51.00 0.67 -43.27 | 47.77 0.72 -39.45 | 46.88 0.51 -41.14 | 46.64 0.77 -37.92 | 46.59 0.78 -37.81 | 47.20 0.75 -38.45 | 53.12 0.92 -42.51 | 61.52 1.03 -49.73 | 66.52 1.21 -52.57 | 61.27 1.32 -45.93 | 46.69 1.33 -30.92 | 49.18 0.63 -41.27 | 47.59 0.17 -45.28 |
| LINDEN COGEN____ 23786 | 46.03 0.16 -43.74 | 46.03 0.15 -43.76 | 38.02 0.16 -35.75 | 46.03 0.14 -43.77 | 46.03 0.14 -43.79 | 46.03 0.09 -44.68 | 59.49 0.47 -54.01 | 66.31 1.76 -45.04 | 54.76 0.95 -43.73 | 48.32 0.94 -37.60 | 46.50 0.64 -39.34 | 46.50 0.71 -38.73 | 46.50 0.77 -38.13 | 46.50 0.54 -40.73 | 46.50 0.82 -37.73 | 46.50 0.82 -37.68 | 46.50 0.79 -37.70 | 46.50 0.97 -35.83 | 46.50 1.09 -34.66 | 48.61 1.26 -34.61 | 50.02 1.37 -34.63 | 46.50 1.39 -30.67 | 46.50 0.65 -38.57 | 44.53 0.18 -42.22 |
| LIPA_MISC_IPP 23656 | 90.45 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.68 2.48 -71.69 | 92.20 1.31 -80.81 | 92.15 1.25 -81.12 | 72.01 0.74 -64.75 | 72.01 0.82 -64.12 | 62.24 0.88 -53.75 | 61.54 0.62 -55.68 | 60.05 0.95 -51.15 | 60.53 0.95 -51.58 | 62.27 0.94 -53.32 | 74.37 1.13 -63.54 | 71.99 1.27 -59.97 | 90.89 1.44 -76.71 | 90.89 1.58 -75.29 | 78.16 1.65 -62.08 | 60.52 0.82 -52.42 | 57.71 0.24 -55.34 |
| LISF____SOLAR 323691 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.65 0.25 -68.28 | 69.65 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.08 0.65 -86.42 | 93.70 2.50 -71.69 | 92.21 1.32 -80.81 | 92.16 1.26 -81.12 | 72.02 0.76 -64.75 | 72.01 0.83 -64.12 | 62.25 0.89 -53.75 | 61.54 0.63 -55.68 | 60.06 0.95 -51.15 | 60.54 0.96 -51.58 | 62.28 0.94 -53.32 | 74.38 1.14 -63.54 | 72.00 1.28 -59.97 | 90.91 1.46 -76.71 | 90.90 1.60 -75.29 | 78.18 1.66 -62.08 | 60.53 0.83 -52.42 | 57.71 0.24 -55.34 |
| LITTLE FALLS____HYD 24013 | 2.18 0.06 0.00 | 1.46 0.05 0.71 | 2.02 0.05 0.14 | 2.17 0.05 0.00 | 1.97 0.05 0.19 | 1.21 0.03 0.08 | 5.14 0.13 0.00 | 20.00 0.49 0.00 | 7.69 0.24 2.63 | 5.65 0.23 4.36 | 6.69 0.17 0.00 | 7.26 0.20 0.00 | 7.80 0.20 0.00 | 5.37 0.14 0.00 | 8.17 0.22 0.00 | 8.23 0.23 0.00 | 8.24 0.23 0.00 | 9.98 0.28 0.00 | 11.07 0.32 0.00 | 13.12 0.38 0.00 | 14.45 0.44 0.00 | 12.25 0.49 2.69 | 7.51 0.23 0.00 | 2.20 0.07 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| LI_NEWBRDGE___DRP 323616 | 90.43 0.23 -88.07 | 74.98 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.98 0.20 -72.67 | 86.55 0.13 -85.16 | 92.02 0.59 -86.42 | 93.42 2.22 -71.69 | 92.08 1.19 -80.81 | 92.06 1.16 -81.12 | 72.03 0.76 -64.75 | 72.02 0.83 -64.12 | 62.27 0.91 -53.75 | 61.55 0.64 -55.68 | 60.07 0.97 -51.15 | 60.55 0.98 -51.58 | 62.28 0.94 -53.32 | 74.38 1.14 -63.54 | 72.00 1.28 -59.97 | 90.94 1.49 -76.71 | 90.93 1.63 -75.29 | 78.18 1.66 -62.08 | 60.53 0.83 -52.42 | 57.70 0.24 -55.34 |
| LOCKPORT___CC1 323769 | 10.76 0.12 -8.51 | 10.09 0.08 -7.89 | 10.24 0.07 -8.05 | 10.22 0.09 -8.02 | 10.18 0.05 -8.02 | 9.99 0.05 -8.68 | 14.86 0.33 -9.53 | 27.73 0.00 -8.22 | 20.00 -0.08 -10.00 | 18.22 0.06 -8.39 | 14.99 0.08 -8.39 | 14.98 0.14 -7.78 | 14.96 0.27 -7.09 | 12.82 0.19 -7.40 | 14.98 0.21 -6.82 | 14.98 0.17 -6.81 | 15.05 0.11 -6.93 | 17.35 0.00 -7.66 | 19.77 0.06 -8.96 | 22.04 -0.17 -9.47 | 22.07 -0.22 -8.27 | 19.90 0.23 -5.23 | 14.95 0.24 -7.43 | 10.42 0.14 -8.16 |
| LOCKPORT___CC2 323770 | 10.76 0.12 -8.51 | 10.09 0.08 -7.89 | 10.24 0.07 -8.05 | 10.22 0.09 -8.02 | 10.18 0.05 -8.02 | 9.99 0.05 -8.68 | 14.86 0.33 -9.53 | 27.73 0.00 -8.22 | 20.00 -0.08 -10.00 | 18.22 0.06 -8.39 | 14.99 0.08 -8.39 | 14.98 0.14 -7.78 | 14.96 0.27 -7.09 | 12.82 0.19 -7.40 | 14.98 0.21 -6.82 | 14.98 0.17 -6.81 | 15.05 0.11 -6.93 | 17.35 0.00 -7.66 | 19.77 0.06 -8.96 | 22.04 -0.17 -9.47 | 22.07 -0.22 -8.27 | 19.90 0.23 -5.23 | 14.95 0.24 -7.43 | 10.42 0.14 -8.16 |
| LOCKPORT___CC3 323771 | 10.76 0.12 -8.51 | 10.09 0.08 -7.89 | 10.24 0.07 -8.05 | 10.22 0.09 -8.02 | 10.18 0.05 -8.02 | 9.99 0.05 -8.68 | 14.86 0.33 -9.53 | 27.73 0.00 -8.22 | 20.00 -0.08 -10.00 | 18.22 0.06 -8.39 | 14.99 0.08 -8.39 | 14.98 0.14 -7.78 | 14.96 0.27 -7.09 | 12.82 0.19 -7.40 | 14.98 0.21 -6.82 | 14.98 0.17 -6.81 | 15.05 0.11 -6.93 | 17.35 0.00 -7.66 | 19.77 0.06 -8.96 | 22.04 -0.17 -9.47 | 22.07 -0.22 -8.27 | 19.90 0.23 -5.23 | 14.95 0.24 -7.43 | 10.42 0.14 -8.16 |
| LONG_LAKE_PHOENIX 24014 | 6.64 0.05 -4.46 | 6.09 0.04 -3.93 | 6.33 0.04 -4.18 | 6.36 0.04 -4.20 | 6.29 0.03 -4.15 | 5.80 0.03 -4.53 | 10.18 0.18 -5.00 | 24.46 0.64 -4.31 | 14.83 0.27 -4.48 | 13.19 0.27 -3.14 | 11.10 0.18 -4.40 | 11.33 0.19 -4.08 | 11.53 0.21 -3.72 | 9.26 0.15 -3.88 | 11.77 0.25 -3.57 | 11.81 0.24 -3.57 | 11.93 0.26 -3.66 | 14.04 0.29 -4.05 | 15.83 0.35 -4.72 | 18.12 0.40 -4.99 | 18.80 0.42 -4.36 | 16.50 0.45 -1.61 | 11.36 0.17 -3.92 | 6.49 0.05 -4.30 |
| LOVETT___3 23632 | 49.65 0.16 -47.37 | 46.59 0.15 -44.32 | 47.17 0.15 -44.90 | 46.88 0.14 -44.62 | 47.00 0.14 -44.76 | 49.69 0.09 -48.35 | 58.56 0.43 -53.13 | 66.94 1.62 -45.81 | 68.20 0.88 -57.24 | 59.82 0.85 -49.19 | 53.89 0.58 -46.79 | 51.07 0.64 -43.37 | 47.84 0.69 -39.54 | 46.95 0.48 -41.24 | 46.69 0.73 -38.01 | 46.64 0.74 -37.90 | 47.26 0.71 -38.54 | 53.18 0.87 -42.61 | 61.58 0.98 -49.85 | 66.59 1.16 -52.70 | 61.33 1.26 -46.05 | 46.72 1.27 -31.00 | 49.25 0.60 -41.37 | 47.69 0.17 -45.39 |
| LOVETT___4 23642 | 49.65 0.16 -47.37 | 46.59 0.15 -44.32 | 47.17 0.15 -44.90 | 46.88 0.14 -44.62 | 47.00 0.14 -44.76 | 49.69 0.09 -48.35 | 58.56 0.43 -53.13 | 66.94 1.62 -45.81 | 68.20 0.88 -57.24 | 59.82 0.85 -49.19 | 53.89 0.58 -46.79 | 51.07 0.64 -43.37 | 47.84 0.69 -39.54 | 46.95 0.48 -41.24 | 46.69 0.73 -38.01 | 46.64 0.74 -37.90 | 47.26 0.71 -38.54 | 53.18 0.87 -42.61 | 61.58 0.98 -49.85 | 66.59 1.16 -52.70 | 61.33 1.26 -46.05 | 46.72 1.27 -31.00 | 49.25 0.60 -41.37 | 47.69 0.17 -45.39 |
| LOVETT___5 23593 | 49.65 0.16 -47.37 | 46.59 0.15 -44.32 | 47.17 0.15 -44.90 | 46.88 0.14 -44.62 | 47.00 0.14 -44.76 | 49.69 0.09 -48.35 | 58.56 0.43 -53.13 | 66.94 1.62 -45.81 | 68.20 0.88 -57.24 | 59.82 0.85 -49.19 | 53.89 0.58 -46.79 | 51.07 0.64 -43.37 | 47.84 0.69 -39.54 | 46.95 0.48 -41.24 | 46.69 0.73 -38.01 | 46.64 0.74 -37.90 | 47.26 0.71 -38.54 | 53.18 0.87 -42.61 | 61.58 0.98 -49.85 | 66.59 1.16 -52.70 | 61.33 1.26 -46.05 | 46.72 1.27 -31.00 | 49.25 0.60 -41.37 | 47.69 0.17 -45.39 |
| LOWER RAQUET___HYD 24057 | 1.99 -0.13 0.00 | 1.81 -0.12 0.19 | 1.96 -0.12 0.04 | 2.00 -0.12 0.00 | 1.94 -0.12 0.05 | 1.15 -0.08 0.02 | 4.62 -0.39 0.00 | 18.22 -1.29 0.00 | 8.75 -0.62 0.71 | 7.95 -0.65 1.18 | 6.06 -0.46 0.00 | 6.55 -0.51 0.00 | 7.01 -0.59 0.00 | 4.82 -0.41 0.00 | 7.31 -0.64 0.00 | 7.35 -0.65 0.00 | 7.38 -0.63 0.00 | 8.99 -0.71 0.00 | 9.94 -0.81 0.00 | 11.91 -0.83 0.00 | 13.16 -0.86 0.00 | 13.43 -1.01 0.00 | 6.79 -0.49 0.00 | 1.98 -0.16 0.00 |
| LOWER___HUDSON 24059 | 66.59 0.16 -64.30 | 65.74 0.16 -63.46 | 63.90 0.16 -61.62 | 62.86 0.16 -60.58 | 63.90 0.16 -61.63 | 67.33 0.10 -65.98 | 77.42 0.39 -72.03 | 83.02 1.41 -62.10 | 100.67 0.73 -89.87 | 97.49 0.71 -87.00 | 70.43 0.48 -63.43 | 66.39 0.52 -58.81 | 61.79 0.57 -53.61 | 61.53 0.38 -55.92 | 60.05 0.56 -51.54 | 60.02 0.57 -51.45 | 60.87 0.58 -52.27 | 68.17 0.68 -57.79 | 79.13 0.76 -67.62 | 85.10 0.89 -71.48 | 77.45 0.98 -62.45 | 75.40 1.08 -59.88 | 63.94 0.55 -56.11 | 63.85 0.14 -61.57 |
| LWR___OSWEGATCHIE_HYD 23850 | 3.03 -0.09 -0.99 | 2.72 -0.08 -0.69 | 2.92 -0.08 -0.89 | 2.97 -0.09 -0.94 | 2.89 -0.09 -0.88 | 2.19 -0.05 -0.99 | 5.90 -0.22 -1.11 | 19.81 -0.66 -0.96 | 10.03 -0.34 -0.29 | 8.93 -0.37 0.47 | 7.23 -0.27 -0.98 | 7.65 -0.32 -0.91 | 8.05 -0.38 -0.83 | 5.83 -0.27 -0.86 | 8.33 -0.42 -0.80 | 8.36 -0.44 -0.80 | 8.52 -0.42 -0.92 | 10.27 -0.45 -1.02 | 11.40 -0.42 -1.07 | 13.45 -0.42 -1.13 | 14.59 -0.42 -0.99 | 14.26 -0.55 -0.37 | 7.87 -0.30 -0.89 | 3.01 -0.10 -0.97 |
| LYONS_FALL_HYD 23570 | 2.17 0.04 0.00 | 1.69 0.03 0.46 | 2.05 0.03 0.09 | 2.15 0.03 0.00 | 2.01 0.03 0.12 | 1.23 0.02 0.05 | 5.16 0.15 0.00 | 20.15 0.64 0.00 | 8.67 0.29 1.70 | 7.22 0.26 2.82 | 6.70 0.18 0.00 | 7.25 0.19 0.00 | 7.79 0.19 0.00 | 5.36 0.13 0.00 | 8.12 0.17 0.00 | 8.16 0.16 0.00 | 8.99 0.16 -0.82 | 10.81 0.20 -0.91 | 12.22 0.21 -1.25 | 14.32 0.27 -1.32 | 15.48 0.31 -1.15 | 13.48 0.26 1.22 | 8.39 0.08 -1.04 | 3.29 0.02 -1.14 |
| MADISON___COUNTY_LFGE 323628 | 4.51 0.07 -2.31 | 3.96 0.06 -1.78 | 4.29 0.05 -2.11 | 4.36 0.06 -2.18 | 4.24 0.05 -2.08 | 3.61 0.04 -2.32 | 7.83 0.23 -2.59 | 22.66 0.92 -2.23 | 11.87 0.43 -1.36 | 10.21 0.40 -0.03 | 9.09 0.29 -2.28 | 9.48 0.30 -2.11 | 9.85 0.32 -1.93 | 7.45 0.21 -2.01 | 10.10 0.29 -1.85 | 10.12 0.27 -1.85 | 10.35 0.27 -2.07 | 12.32 0.34 -2.29 | 13.88 0.43 -2.70 | 16.08 0.50 -2.85 | 17.06 0.55 -2.49 | 15.90 0.53 -0.92 | 9.74 0.23 -2.24 | 4.66 0.07 -2.46 |
| MAPLE_RIDGE_WT_1 323574 | -0.03 -0.07 2.09 | -0.79 -0.07 2.85 | -0.11 -0.07 2.16 | 0.09 -0.07 1.96 | -0.16 -0.07 2.20 | -1.00 -0.03 2.22 | 2.50 -0.17 2.33 | 16.87 -0.63 2.01 | 3.93 -0.31 5.84 | 1.80 -0.31 7.66 | 4.26 -0.21 2.06 | 4.93 -0.23 1.91 | 5.62 -0.25 1.74 | 3.25 -0.17 1.81 | 6.03 -0.25 1.67 | 6.08 -0.26 1.67 | 6.19 -0.26 1.56 | 7.68 -0.29 1.72 | 8.45 -0.29 2.02 | 10.31 -0.29 2.13 | 11.83 -0.32 1.86 | 8.42 -0.36 5.66 | 5.43 -0.17 1.67 | 0.24 -0.06 1.84 |
| MAPLE_RIDGE_WT_2 323611 | -0.03 -0.07 2.09 | -0.79 -0.07 2.85 | -0.11 -0.07 2.16 | 0.09 -0.07 1.96 | -0.16 -0.07 2.20 | -1.00 -0.03 2.22 | 2.50 -0.17 2.33 | 16.87 -0.63 2.01 | 3.93 -0.31 5.84 | 1.80 -0.31 7.66 | 4.26 -0.21 2.06 | 4.93 -0.23 1.91 | 5.62 -0.25 1.74 | 3.25 -0.17 1.81 | 6.03 -0.25 1.67 | 6.08 -0.26 1.67 | 6.19 -0.26 1.56 | 7.68 -0.29 1.72 | 8.45 -0.29 2.02 | 10.31 -0.29 2.13 | 11.83 -0.32 1.86 | 8.42 -0.36 5.66 | 5.43 -0.17 1.67 | 0.24 -0.06 1.84 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| MARBLE_RIVER_WT_PWR 323696 | 2.07 -0.06 0.00 | 1.88 -0.05 0.19 | 2.03 -0.04 0.04 | 2.07 -0.04 0.00 | 2.01 -0.05 0.05 | 1.20 -0.03 0.02 | 4.82 -0.19 0.00 | 18.89 -0.63 0.00 | 9.03 -0.33 0.72 | 8.18 -0.41 1.19 | 6.19 -0.33 0.00 | 6.67 -0.40 0.00 | 7.09 -0.51 0.00 | 4.86 -0.37 0.00 | 7.39 -0.56 0.00 | 7.44 -0.56 0.00 | 7.48 -0.53 0.00 | 9.16 -0.53 0.00 | 10.11 -0.64 0.00 | 12.10 -0.64 0.00 | 13.36 -0.66 0.00 | 13.65 -0.79 0.00 | 6.95 -0.33 0.00 | 1.99 -0.14 0.00 |
| MARSH_HILL_WT_PWR 323713 | 13.11 0.14 -10.84 | 12.29 0.10 -10.07 | 12.47 0.09 -10.26 | 12.44 0.10 -10.21 | 12.41 0.07 -10.23 | 12.38 0.07 -11.06 | 17.56 0.41 -12.14 | 30.78 0.80 -10.47 | 23.20 0.31 -12.81 | 20.92 0.35 -10.79 | 17.45 0.23 -10.69 | 17.27 0.29 -9.91 | 16.99 0.35 -9.04 | 14.90 0.25 -9.43 | 16.96 0.32 -8.69 | 16.97 0.30 -8.68 | 17.16 0.33 -8.82 | 19.82 0.38 -9.75 | 22.65 0.49 -11.41 | 25.27 0.47 -12.06 | 25.06 0.50 -10.54 | 21.93 0.75 -6.74 | 17.13 0.39 -9.47 | 12.67 0.15 -10.39 |
| MG_INDUSTRY___DRP 24185 | 58.62 0.15 -56.34 | 56.84 0.14 -54.58 | 56.04 0.14 -53.78 | 55.33 0.14 -53.08 | 55.97 0.14 -53.73 | 59.04 0.09 -57.70 | 68.45 0.35 -63.10 | 75.15 1.23 -54.41 | 85.65 0.64 -74.93 | 80.34 0.64 -69.93 | 62.51 0.42 -55.57 | 59.03 0.45 -51.52 | 55.06 0.49 -46.97 | 54.55 0.34 -48.98 | 53.61 0.51 -45.15 | 53.59 0.51 -45.08 | 54.29 0.50 -45.78 | 60.91 0.60 -50.61 | 70.64 0.67 -59.22 | 76.10 0.76 -62.60 | 69.55 0.84 -54.70 | 62.26 0.90 -46.92 | 56.88 0.47 -49.14 | 56.19 0.13 -53.92 |
| MID___OSWEGATCHIE_HYD 23849 | 3.03 -0.09 -0.99 | 2.72 -0.08 -0.69 | 2.92 -0.08 -0.89 | 2.97 -0.09 -0.94 | 2.89 -0.09 -0.88 | 2.19 -0.05 -0.99 | 5.90 -0.22 -1.11 | 19.81 -0.66 -0.96 | 10.03 -0.34 -0.29 | 8.93 -0.37 0.47 | 7.23 -0.27 -0.98 | 7.65 -0.32 -0.91 | 8.05 -0.38 -0.83 | 5.83 -0.27 -0.86 | 8.33 -0.42 -0.80 | 8.36 -0.44 -0.80 | 8.52 -0.42 -0.92 | 10.27 -0.45 -1.02 | 11.40 -0.42 -1.07 | 13.45 -0.42 -1.13 | 14.59 -0.42 -0.99 | 14.26 -0.55 -0.37 | 7.87 -0.30 -0.89 | 3.01 -0.10 -0.97 |
| MID___RAQUETTE_HYD 23851 | 1.99 -0.13 0.00 | 1.81 -0.12 0.19 | 1.96 -0.12 0.04 | 2.00 -0.12 0.00 | 1.94 -0.12 0.05 | 1.15 -0.08 0.02 | 4.62 -0.39 0.00 | 18.22 -1.29 0.00 | 8.75 -0.62 0.71 | 7.95 -0.65 1.18 | 6.06 -0.46 0.00 | 6.55 -0.51 0.00 | 7.01 -0.59 0.00 | 4.82 -0.41 0.00 | 7.31 -0.64 0.00 | 7.35 -0.65 0.00 | 7.38 -0.63 0.00 | 8.99 -0.71 0.00 | 9.94 -0.81 0.00 | 11.91 -0.83 0.00 | 13.16 -0.86 0.00 | 13.43 -1.01 0.00 | 6.79 -0.49 0.00 | 1.98 -0.16 0.00 |
| MILLIKEN___1 23584 | 12.11 0.10 -9.89 | 11.36 0.09 -9.16 | 11.55 0.08 -9.35 | 11.52 0.09 -9.31 | 11.50 0.07 -9.32 | 11.39 0.05 -10.08 | 16.38 0.30 -11.07 | 30.09 1.03 -9.55 | 22.12 0.46 -11.58 | 19.90 0.45 -9.68 | 16.57 0.30 -9.75 | 16.41 0.31 -9.04 | 16.20 0.36 -8.24 | 14.07 0.24 -8.59 | 16.21 0.34 -7.92 | 16.25 0.34 -7.91 | 16.43 0.36 -8.06 | 19.04 0.44 -8.91 | 21.71 0.54 -10.42 | 24.39 0.64 -11.01 | 24.33 0.69 -9.62 | 21.21 0.72 -6.05 | 16.25 0.33 -8.65 | 11.72 0.10 -9.49 |
| MILLIKEN___2 23585 | 12.11 0.10 -9.89 | 11.36 0.09 -9.16 | 11.55 0.08 -9.35 | 11.52 0.09 -9.31 | 11.50 0.07 -9.32 | 11.39 0.05 -10.08 | 16.38 0.30 -11.07 | 30.09 1.03 -9.55 | 22.12 0.46 -11.58 | 19.90 0.45 -9.68 | 16.57 0.30 -9.75 | 16.41 0.31 -9.04 | 16.20 0.36 -8.24 | 14.07 0.24 -8.59 | 16.21 0.34 -7.92 | 16.25 0.34 -7.91 | 16.43 0.36 -8.06 | 19.04 0.44 -8.91 | 21.71 0.54 -10.42 | 24.39 0.64 -11.01 | 24.33 0.69 -9.62 | 21.21 0.72 -6.05 | 16.25 0.33 -8.65 | 11.72 0.10 -9.49 |
| MILLIKEN___DIESEL 23629 | 12.11 0.10 -9.89 | 11.36 0.09 -9.16 | 11.55 0.08 -9.35 | 11.52 0.09 -9.31 | 11.50 0.07 -9.32 | 11.39 0.05 -10.08 | 16.38 0.30 -11.07 | 30.09 1.03 -9.55 | 22.12 0.46 -11.58 | 19.90 0.45 -9.68 | 16.57 0.30 -9.75 | 16.41 0.31 -9.04 | 16.20 0.36 -8.24 | 14.07 0.24 -8.59 | 16.21 0.34 -7.92 | 16.25 0.34 -7.91 | 16.43 0.36 -8.06 | 19.04 0.44 -8.91 | 21.71 0.54 -10.42 | 24.39 0.64 -11.01 | 24.33 0.69 -9.62 | 21.21 0.72 -6.05 | 16.25 0.33 -8.65 | 11.72 0.10 -9.49 |
| MILLSEAT___LFGE 323607 | 10.35 0.14 -8.08 | 9.71 0.10 -7.49 | 9.86 0.09 -7.65 | 9.84 0.11 -7.61 | 9.80 0.07 -7.62 | 9.56 0.07 -8.24 | 14.44 0.39 -9.05 | 27.68 0.37 -7.80 | 19.66 0.09 -9.49 | 17.96 0.23 -7.94 | 14.68 0.19 -7.97 | 14.70 0.25 -7.39 | 14.70 0.36 -6.74 | 12.51 0.25 -7.03 | 14.74 0.31 -6.48 | 14.73 0.26 -6.47 | 14.82 0.23 -6.58 | 17.13 0.16 -7.27 | 19.49 0.23 -8.51 | 21.82 0.09 -8.99 | 21.93 0.06 -7.86 | 19.84 0.45 -4.95 | 14.65 0.31 -7.06 | 10.03 0.15 -7.75 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 50.39 0.17 -48.09 | 47.28 0.16 -45.01 | 47.87 0.16 -45.59 | 47.57 0.15 -45.31 | 47.70 0.14 -45.45 | 50.44 0.09 -49.09 | 59.28 0.44 -53.84 | 67.59 1.66 -46.42 | 69.04 0.91 -58.06 | 60.60 0.89 -49.93 | 54.53 0.60 -47.41 | 51.68 0.66 -43.96 | 48.40 0.72 -40.07 | 47.53 0.51 -41.79 | 47.24 0.77 -38.52 | 47.26 0.78 -38.48 | 47.81 0.75 -39.06 | 53.79 0.91 -43.18 | 62.30 1.02 -50.52 | 67.34 1.20 -53.40 | 61.98 1.30 -46.66 | 47.21 1.31 -31.45 | 49.83 0.63 -41.92 | 48.31 0.17 -46.00 |
| MODEL_CITY_ENERGY 24167 | 10.84 0.10 -8.62 | 10.17 0.06 -7.99 | 10.32 0.05 -8.15 | 10.31 0.07 -8.12 | 10.26 0.03 -8.12 | 10.08 0.04 -8.79 | 14.92 0.27 -9.65 | 27.56 0.27 -8.32 | 20.00 -0.21 -10.13 | 18.21 -0.07 -8.50 | 15.01 -0.01 -8.50 | 14.99 0.05 -7.88 | 14.96 0.18 -7.18 | 12.86 0.14 -7.49 | 14.97 0.12 -6.90 | 14.97 0.07 -6.89 | 15.03 0.01 -7.01 | 17.32 -0.13 -7.75 | 19.73 -0.09 -9.07 | 21.98 -0.34 -9.59 | 21.97 -0.42 -8.38 | 19.77 0.03 -5.30 | 14.96 0.15 -7.53 | 10.51 0.12 -8.26 |
| MODERN_LFGE___ 323580 | 10.84 0.10 -8.62 | 10.17 0.06 -7.99 | 10.32 0.05 -8.15 | 10.31 0.07 -8.12 | 10.26 0.03 -8.12 | 10.08 0.04 -8.79 | 14.92 0.27 -9.65 | 27.56 0.27 -8.32 | 20.00 -0.21 -10.13 | 18.21 -0.07 -8.50 | 15.01 -0.01 -8.50 | 14.99 0.05 -7.88 | 14.96 0.18 -7.18 | 12.86 0.14 -7.49 | 14.97 0.12 -6.90 | 14.97 0.07 -6.89 | 15.03 0.01 -7.01 | 17.32 -0.13 -7.75 | 19.73 -0.09 -9.07 | 21.98 -0.34 -9.59 | 21.97 -0.42 -8.38 | 19.77 0.03 -5.30 | 14.96 0.15 -7.53 | 10.51 0.12 -8.26 |
| MOHAWK_PAPER___DRP 24187 | 64.80 0.16 -62.51 | 63.73 0.16 -61.45 | 62.13 0.16 -59.85 | 61.16 0.16 -58.89 | 62.11 0.16 -59.85 | 65.47 0.10 -64.11 | 75.43 0.40 -70.02 | 81.32 1.44 -60.37 | 97.29 0.76 -86.46 | 93.60 0.74 -83.08 | 68.68 0.50 -61.66 | 64.78 0.55 -57.16 | 60.32 0.60 -52.12 | 59.99 0.40 -54.35 | 58.65 0.60 -50.10 | 58.62 0.61 -50.02 | 59.43 0.62 -50.81 | 66.59 0.72 -56.17 | 77.28 0.81 -65.72 | 83.14 0.93 -69.47 | 75.74 1.02 -60.70 | 72.43 1.10 -56.89 | 62.36 0.55 -54.54 | 62.12 0.15 -59.84 |
| MONGAUP___HYD 23641 | 48.28 0.16 -45.99 | 45.29 0.15 -43.02 | 45.86 0.15 -43.59 | 45.59 0.14 -43.32 | 45.70 0.14 -43.46 | 48.28 0.09 -46.94 | 56.90 0.43 -51.46 | 65.52 1.64 -44.37 | 66.36 0.87 -55.42 | 58.21 0.83 -47.60 | 52.40 0.57 -45.32 | 49.65 0.58 -42.01 | 46.54 0.63 -38.30 | 45.62 0.44 -39.95 | 45.44 0.67 -36.82 | 45.46 0.66 -36.80 | 45.99 0.65 -37.33 | 51.78 0.81 -41.27 | 59.97 0.92 -48.29 | 64.86 1.08 -51.05 | 59.77 1.15 -44.60 | 45.56 1.17 -29.95 | 47.90 0.55 -40.07 | 46.25 0.15 -43.97 |
| MONTAUK___DIESEL 23721 | 90.51 0.31 -88.07 | 75.06 0.30 -72.64 | 70.71 0.31 -68.28 | 69.71 0.30 -67.29 | 75.06 0.29 -72.67 | 86.60 0.18 -85.16 | 92.24 0.81 -86.42 | 94.36 3.16 -71.69 | 92.54 1.65 -80.81 | 92.48 1.58 -81.12 | 72.21 0.95 -64.75 | 72.23 1.04 -64.12 | 62.47 1.11 -53.75 | 61.69 0.78 -55.68 | 60.27 1.17 -51.15 | 60.75 1.18 -51.58 | 62.50 1.17 -53.32 | 74.67 1.43 -63.54 | 72.34 1.61 -59.97 | 91.31 1.86 -76.71 | 91.35 2.05 -75.29 | 78.61 2.09 -62.08 | 60.73 1.03 -52.42 | 57.77 0.30 -55.34 |

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| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 50.54 0.18 -48.23 | 47.42 0.17 -45.14 | 48.01 0.17 -45.72 | 47.72 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.02 | 67.90 1.81 -46.57 | 69.30 0.98 -58.24 | 60.83 0.97 -50.09 | 54.75 0.66 -47.57 | 51.89 0.73 -44.10 | 48.60 0.79 -40.21 | 47.72 0.55 -41.93 | 47.44 0.84 -38.65 | 47.44 0.85 -38.59 | 48.01 0.82 -39.18 | 54.02 1.00 -43.32 | 62.56 1.12 -50.69 | 67.62 1.30 -53.58 | 62.25 1.42 -46.82 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| MUNSVILLE_WIND_PWR 323609 | 13.22 0.24 -10.85 | 12.39 0.22 -10.06 | 12.58 0.20 -10.27 | 12.54 0.20 -10.22 | 12.52 0.18 -10.23 | 12.44 0.12 -11.07 | 17.93 0.77 -12.15 | 33.01 3.02 -10.48 | 24.23 1.41 -12.75 | 21.69 1.24 -10.67 | 18.05 0.83 -10.70 | 17.90 0.92 -9.92 | 17.65 1.00 -9.05 | 15.32 0.65 -9.43 | 17.56 0.91 -8.70 | 17.57 0.89 -8.68 | 17.82 0.97 -8.84 | 20.72 1.25 -9.77 | 23.76 1.57 -11.43 | 26.66 1.83 -12.09 | 26.71 2.13 -10.56 | 23.28 2.17 -6.67 | 17.74 0.98 -9.49 | 12.83 0.29 -10.41 |
| N SALMON___HYD 24042 | 2.08 -0.05 0.00 | 1.88 -0.04 0.19 | 2.04 -0.04 0.04 | 2.08 -0.04 0.00 | 2.01 -0.04 0.05 | 1.20 -0.03 0.02 | 4.82 -0.19 0.00 | 18.96 -0.55 0.00 | 9.08 -0.28 0.72 | 8.25 -0.34 1.19 | 6.23 -0.29 0.00 | 6.72 -0.35 0.00 | 7.16 -0.44 0.00 | 4.92 -0.31 0.00 | 7.47 -0.49 0.00 | 7.51 -0.49 0.00 | 7.55 -0.46 0.00 | 9.23 -0.47 0.00 | 10.19 -0.56 0.00 | 12.23 -0.51 0.00 | 13.51 -0.50 0.00 | 13.76 -0.68 0.00 | 6.99 -0.28 0.00 | 2.01 -0.12 0.00 |
| N.E._GEN_SANDY PD 24062 | 57.52 0.14 -55.25 | 55.30 0.14 -53.04 | 54.90 0.14 -52.65 | 54.30 0.13 -52.05 | 54.80 0.13 -52.57 | 58.73 0.09 -57.39 | 66.40 0.35 -61.05 | 74.11 1.23 -53.37 | 82.49 0.69 -71.71 | 76.10 0.69 -65.63 | 61.50 0.47 -54.51 | 58.10 0.50 -50.54 | 54.23 0.55 -46.07 | 53.66 0.38 -48.05 | 52.82 0.58 -44.29 | 52.79 0.58 -44.21 | 53.50 0.58 -44.91 | 60.01 0.66 -49.65 | 69.60 0.75 -58.10 | 75.00 0.85 -61.41 | 68.61 0.94 -53.66 | 58.86 0.98 -43.44 | 55.96 0.47 -48.21 | 55.16 0.13 -52.90 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 49.61 0.16 -47.32 | 46.55 0.15 -44.27 | 47.13 0.15 -44.86 | 46.84 0.15 -44.58 | 46.96 0.14 -44.72 | 49.64 0.09 -48.30 | 58.56 0.44 -53.11 | 66.98 1.68 -45.80 | 68.20 0.91 -57.22 | 59.82 0.88 -49.16 | 53.89 0.60 -46.77 | 51.08 0.65 -43.36 | 47.85 0.71 -39.53 | 46.95 0.49 -41.23 | 46.70 0.75 -38.00 | 46.61 0.75 -37.86 | 47.27 0.73 -38.53 | 53.19 0.89 -42.60 | 61.59 1.00 -49.84 | 66.59 1.17 -52.69 | 61.33 1.28 -46.03 | 46.72 1.28 -30.99 | 49.25 0.61 -41.36 | 47.68 0.17 -45.38 |
| NARROWS_GT1_1 24228 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT1_2 24229 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT1_3 24230 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT1_4 24231 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT1_5 24232 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT1_6 24233 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT1_7 24234 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT1_8 24235 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT2_1 24236 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT2_2 24237 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| NARROWS_GT2_3 24238 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT2_4 24239 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT2_5 24240 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT2_6 24241 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT2_7 24242 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NARROWS_GT2_8 24243 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 54.77 0.22 -52.42 | 52.41 0.22 -50.07 | 52.23 0.21 -49.90 | 51.71 0.21 -49.38 | 52.12 0.20 -49.81 | 55.00 0.13 -53.61 | 64.28 0.57 -58.71 | 72.26 2.13 -50.62 | 78.26 1.10 -67.08 | 71.52 1.05 -60.70 | 58.91 0.69 -51.70 | 55.66 0.67 -47.93 | 52.03 0.73 -43.70 | 51.30 0.50 -45.57 | 50.70 0.75 -42.00 | 50.70 0.76 -41.94 | 51.35 0.75 -42.59 | 57.71 0.92 -47.09 | 66.90 1.05 -55.10 | 72.22 1.25 -58.24 | 66.24 1.33 -50.89 | 55.61 1.36 -39.81 | 53.68 0.68 -45.72 | 52.48 0.18 -50.17 |
| NEG CAPITAL___MECHNVIL 23645 | 68.37 0.21 -66.03 | 67.66 0.20 -65.34 | 65.63 0.20 -63.31 | 64.53 0.20 -62.21 | 65.64 0.20 -63.33 | 69.14 0.12 -67.77 | 79.46 0.49 -73.96 | 85.07 1.79 -63.77 | 103.89 0.89 -92.93 | 101.05 0.87 -90.40 | 72.23 0.57 -65.13 | 68.08 0.64 -60.38 | 63.34 0.68 -55.05 | 63.11 0.46 -57.42 | 61.54 0.68 -52.92 | 61.52 0.69 -52.84 | 62.39 0.71 -53.68 | 69.89 0.84 -59.35 | 81.14 0.95 -69.44 | 87.24 1.11 -73.40 | 79.38 1.23 -64.13 | 78.25 1.39 -62.42 | 65.59 0.69 -57.62 | 65.54 0.19 -63.23 |
| NEG CENTRAL_HIGH_ACRES 23767 | 8.26 0.01 -6.12 | 7.76 0.00 -5.65 | 7.89 -0.01 -5.78 | 7.88 0.00 -5.76 | 7.85 -0.01 -5.76 | 7.49 0.00 -6.24 | 11.95 0.09 -6.85 | 25.48 0.06 -5.91 | 17.14 -0.04 -7.11 | 15.65 -0.01 -5.89 | 12.57 0.02 -6.03 | 12.69 0.04 -5.59 | 12.78 0.08 -5.10 | 10.59 0.05 -5.32 | 12.90 0.05 -4.90 | 12.93 0.04 -4.89 | 13.04 0.04 -4.99 | 15.20 -0.01 -5.51 | 17.20 0.00 -6.45 | 19.50 -0.05 -6.81 | 19.89 -0.08 -5.95 | 18.12 0.01 -3.66 | 12.62 -0.01 -5.35 | 8.02 0.02 -5.87 |
| NEG CENTRAL___DRP 24199 | 9.01 0.07 -6.82 | 8.46 0.05 -6.29 | 8.61 0.05 -6.44 | 8.59 0.05 -6.42 | 8.57 0.04 -6.42 | 8.24 0.04 -6.95 | 12.87 0.23 -7.63 | 26.74 0.64 -6.58 | 18.25 0.26 -7.91 | 16.60 0.27 -6.55 | 13.41 0.17 -6.72 | 13.48 0.18 -6.23 | 13.51 0.22 -5.68 | 11.31 0.15 -5.93 | 13.62 0.21 -5.46 | 13.65 0.20 -5.45 | 13.79 0.22 -5.56 | 16.09 0.25 -6.15 | 18.26 0.32 -7.19 | 20.68 0.34 -7.60 | 21.02 0.36 -6.64 | 18.96 0.43 -4.08 | 13.44 0.20 -5.96 | 8.75 0.07 -6.54 |
| NEG CENTRAL___INDECK 23768 | 11.38 0.17 -9.09 | 10.68 0.14 -8.43 | 10.85 0.13 -8.60 | 10.82 0.14 -8.56 | 10.79 0.12 -8.57 | 10.61 0.09 -9.27 | 15.67 0.49 -10.17 | 29.57 1.29 -8.77 | 21.31 0.53 -10.69 | 19.30 0.55 -8.98 | 15.86 0.38 -8.96 | 15.79 0.42 -8.31 | 15.69 0.52 -7.57 | 13.47 0.35 -7.90 | 15.71 0.48 -7.28 | 15.73 0.46 -7.27 | 15.89 0.49 -7.39 | 18.42 0.55 -8.17 | 20.99 0.68 -9.56 | 23.55 0.71 -10.10 | 23.62 0.77 -8.83 | 21.02 0.98 -5.60 | 15.69 0.48 -7.93 | 11.01 0.17 -8.70 |
| NEG CENTRAL___SENECA 23627 | 9.73 0.09 -7.51 | 9.14 0.07 -6.95 | 9.29 0.06 -7.11 | 9.27 0.07 -7.08 | 9.24 0.06 -7.08 | 8.96 0.05 -7.66 | 13.72 0.30 -8.41 | 27.58 0.82 -7.25 | 19.20 0.34 -8.77 | 17.44 0.35 -7.31 | 14.15 0.22 -7.41 | 14.18 0.25 -6.87 | 14.15 0.29 -6.26 | 11.96 0.20 -6.53 | 14.24 0.27 -6.02 | 14.27 0.26 -6.01 | 14.41 0.28 -6.12 | 16.78 0.32 -6.77 | 19.07 0.41 -7.91 | 21.53 0.43 -8.37 | 21.78 0.45 -7.31 | 19.55 0.55 -4.56 | 14.10 0.25 -6.57 | 9.43 0.09 -7.21 |
| NEG CENTRAL___STATE_STREET 24147 | 8.81 0.08 -6.61 | 8.27 0.07 -6.09 | 8.42 0.06 -6.24 | 8.41 0.07 -6.22 | 8.38 0.05 -6.22 | 8.02 0.04 -6.73 | 12.64 0.23 -7.40 | 26.65 0.76 -6.38 | 18.04 0.32 -7.64 | 16.41 0.33 -6.30 | 13.26 0.22 -6.51 | 13.33 0.23 -6.04 | 13.38 0.27 -5.51 | 11.16 0.19 -5.74 | 13.51 0.27 -5.29 | 13.55 0.26 -5.29 | 13.68 0.28 -5.39 | 15.98 0.32 -5.96 | 18.10 0.38 -6.97 | 20.59 0.48 -7.37 | 20.95 0.49 -6.44 | 18.92 0.55 -3.92 | 13.31 0.25 -5.78 | 8.56 0.08 -6.35 |
| NEG MILLWOOD___DRP 24198 | 51.35 0.18 -49.04 | 48.34 0.17 -46.04 | 48.81 0.17 -46.52 | 48.48 0.17 -46.20 | 48.65 0.16 -46.39 | 51.43 0.10 -50.07 | 60.42 0.49 -54.92 | 68.74 1.87 -47.35 | 70.87 1.01 -59.78 | 62.62 0.99 -51.86 | 55.54 0.65 -48.36 | 52.66 0.76 -44.84 | 49.30 0.82 -40.88 | 48.43 0.57 -42.63 | 48.11 0.87 -39.29 | 48.11 0.87 -39.24 | 48.71 0.86 -39.84 | 54.80 1.06 -44.05 | 63.48 1.19 -51.54 | 68.63 1.41 -54.48 | 63.16 1.54 -47.60 | 48.87 1.52 -32.91 | 50.76 0.72 -42.77 | 49.26 0.20 -46.93 |
| NEG NORTH_FLCN_SEA 23793 | 2.13 0.00 0.00 | 1.93 0.00 0.19 | 2.09 0.01 0.04 | 2.13 0.01 0.00 | 2.05 0.00 0.05 | 1.23 0.00 0.02 | 4.95 -0.06 0.00 | 19.39 -0.12 0.00 | 9.25 -0.11 0.72 | 8.36 -0.22 1.19 | 6.31 -0.21 0.00 | 6.77 -0.30 0.00 | 7.19 -0.41 0.00 | 4.92 -0.31 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.36 -0.34 0.00 | 10.32 -0.43 0.00 | 12.40 -0.33 0.00 | 13.71 -0.31 0.00 | 13.95 -0.49 0.00 | 7.14 -0.14 0.00 | 2.03 -0.10 0.00 |

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| NEG NORTH_KES_CHATEGAY 23792 | 2.07 -0.05 0.00 | 1.88 -0.04 0.19 | 2.04 -0.04 0.04 | 2.08 -0.04 0.00 | 2.01 -0.04 0.05 | 1.20 -0.03 0.02 | 4.82 -0.19 0.00 | 18.94 -0.57 0.00 | 9.05 -0.31 0.72 | 8.20 -0.39 1.19 | 6.21 -0.31 0.00 | 6.68 -0.38 0.00 | 7.12 -0.49 0.00 | 4.87 -0.36 0.00 | 7.41 -0.54 0.00 | 7.46 -0.54 0.00 | 7.51 -0.50 0.00 | 9.19 -0.50 0.00 | 10.14 -0.61 0.00 | 12.15 -0.59 0.00 | 13.42 -0.60 0.00 | 13.69 -0.75 0.00 | 6.97 -0.31 0.00 | 2.00 -0.13 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 2.12 0.00 0.00 | 1.92 0.00 0.19 | 2.08 0.00 0.04 | 2.12 0.00 0.00 | 2.05 -0.01 0.05 | 1.22 -0.01 0.02 | 4.93 -0.07 0.00 | 19.33 -0.18 0.00 | 9.23 -0.13 0.72 | 8.35 -0.23 1.19 | 6.30 -0.22 0.00 | 6.77 -0.30 0.00 | 7.19 -0.41 0.00 | 4.92 -0.31 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.39 -0.34 0.00 | 13.70 -0.32 0.00 | 13.94 -0.51 0.00 | 7.12 -0.16 0.00 | 2.03 -0.10 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 2.12 0.00 0.00 | 1.92 0.00 0.19 | 2.08 0.00 0.04 | 2.12 0.00 0.00 | 2.05 -0.01 0.05 | 1.22 -0.01 0.02 | 4.93 -0.07 0.00 | 19.33 -0.18 0.00 | 9.23 -0.13 0.72 | 8.35 -0.23 1.19 | 6.30 -0.22 0.00 | 6.77 -0.30 0.00 | 7.19 -0.41 0.00 | 4.92 -0.31 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.39 -0.34 0.00 | 13.70 -0.32 0.00 | 13.94 -0.51 0.00 | 7.12 -0.16 0.00 | 2.03 -0.10 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 2.12 0.00 0.00 | 1.92 0.00 0.19 | 2.08 0.00 0.04 | 2.12 0.00 0.00 | 2.05 -0.01 0.05 | 1.22 -0.01 0.02 | 4.93 -0.07 0.00 | 19.33 -0.18 0.00 | 9.23 -0.13 0.72 | 8.35 -0.23 1.19 | 6.30 -0.22 0.00 | 6.77 -0.30 0.00 | 7.19 -0.41 0.00 | 4.92 -0.31 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.39 -0.34 0.00 | 13.70 -0.32 0.00 | 13.94 -0.51 0.00 | 7.12 -0.16 0.00 | 2.03 -0.10 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 10.76 0.12 -8.51 | 10.09 0.08 -7.89 | 10.24 0.07 -8.05 | 10.22 0.09 -8.02 | 10.18 0.05 -8.02 | 9.99 0.05 -8.68 | 14.86 0.33 -9.53 | 27.73 0.00 -8.22 | 20.00 -0.08 -10.00 | 18.22 0.06 -8.39 | 14.99 0.08 -8.39 | 14.98 0.14 -7.78 | 14.96 0.27 -7.09 | 12.82 0.19 -7.40 | 14.98 0.21 -6.82 | 14.98 0.17 -6.81 | 15.05 0.11 -6.93 | 17.35 0.00 -7.66 | 19.77 0.06 -8.96 | 22.04 -0.17 -9.47 | 22.07 -0.22 -8.27 | 19.90 0.23 -5.23 | 14.95 0.24 -7.43 | 10.42 0.14 -8.16 |
| NEG WEST___LANCASTR 23811 | 12.12 0.16 -9.83 | 11.36 0.11 -9.13 | 11.52 0.10 -9.30 | 11.50 0.12 -9.26 | 11.46 0.08 -9.27 | 11.35 0.08 -10.03 | 16.46 0.44 -11.01 | 29.59 0.58 -9.49 | 21.90 0.22 -11.60 | 19.83 0.29 -9.75 | 16.44 0.23 -9.69 | 16.34 0.29 -8.99 | 16.17 0.37 -8.19 | 14.04 0.27 -8.55 | 16.16 0.33 -7.88 | 16.18 0.31 -7.87 | 16.30 0.29 -8.00 | 18.79 0.25 -8.85 | 21.44 0.34 -10.35 | 23.94 0.27 -10.94 | 23.83 0.25 -9.56 | 21.15 0.62 -6.09 | 16.26 0.39 -8.59 | 11.73 0.17 -9.42 |
| NEG_PENN_ALLEGHNY 23528 | 18.73 0.10 -16.50 | 17.59 0.08 -15.40 | 17.83 0.08 -15.63 | 17.75 0.08 -15.54 | 17.76 0.07 -15.58 | 18.14 0.05 -16.84 | 23.78 0.29 -18.48 | 36.28 0.84 -15.93 | 30.22 0.38 -19.76 | 27.02 0.39 -16.85 | 23.06 0.27 -16.27 | 22.45 0.30 -15.09 | 21.70 0.34 -13.75 | 19.81 0.24 -14.34 | 21.51 0.33 -13.22 | 21.53 0.33 -13.20 | 21.76 0.33 -13.42 | 24.91 0.37 -14.84 | 28.56 0.44 -17.36 | 31.57 0.48 -18.35 | 30.57 0.52 -16.04 | 25.65 0.61 -10.61 | 21.98 0.30 -14.41 | 18.04 0.10 -15.81 |
| NEG___GEN_MONROE 24207 | 8.70 0.10 -6.47 | 8.18 0.08 -5.98 | 8.31 0.07 -6.12 | 8.30 0.08 -6.10 | 8.26 0.06 -6.10 | 7.90 0.05 -6.60 | 12.53 0.27 -7.25 | 26.25 0.49 -6.25 | 17.75 0.13 -7.54 | 16.26 0.21 -6.27 | 13.07 0.17 -6.38 | 13.18 0.20 -5.92 | 13.27 0.27 -5.39 | 11.04 0.19 -5.63 | 13.39 0.25 -5.19 | 13.43 0.26 -5.18 | 13.53 0.25 -5.27 | 15.73 0.20 -5.83 | 17.83 0.26 -6.82 | 20.16 0.22 -7.21 | 20.51 0.20 -6.30 | 18.76 0.42 -3.90 | 13.16 0.23 -5.66 | 8.43 0.09 -6.21 |
| NEPA___ENERGY 23901 | 12.15 0.16 -9.87 | 11.39 0.10 -9.16 | 11.55 0.10 -9.34 | 11.54 0.12 -9.30 | 11.49 0.07 -9.31 | 11.39 0.07 -10.07 | 16.49 0.43 -11.05 | 29.57 0.53 -9.53 | 21.91 0.19 -11.65 | 19.84 0.26 -9.80 | 16.46 0.20 -9.73 | 16.36 0.27 -9.02 | 16.18 0.35 -8.23 | 14.06 0.25 -8.58 | 16.18 0.32 -7.91 | 16.20 0.30 -7.90 | 16.31 0.27 -8.02 | 18.80 0.23 -8.87 | 21.44 0.31 -10.38 | 23.93 0.23 -10.97 | 23.81 0.21 -9.58 | 21.13 0.58 -6.11 | 16.27 0.38 -8.61 | 11.75 0.17 -9.45 |
| NEVERSINK___HYD 23608 | 48.00 0.18 -45.69 | 45.23 0.18 -42.93 | 45.64 0.17 -43.35 | 45.33 0.17 -43.04 | 45.49 0.16 -43.22 | 48.01 0.11 -46.65 | 56.68 0.51 -51.16 | 65.56 1.93 -44.11 | 66.91 1.01 -55.82 | 59.28 0.98 -48.53 | 52.24 0.66 -45.06 | 49.50 0.66 -41.77 | 46.40 0.71 -38.08 | 45.45 0.50 -39.72 | 45.31 0.76 -36.61 | 45.31 0.75 -36.56 | 45.86 0.74 -37.12 | 51.66 0.92 -41.04 | 59.81 1.04 -48.01 | 64.72 1.23 -50.75 | 59.70 1.33 -44.35 | 46.62 1.33 -30.85 | 47.74 0.62 -39.84 | 46.02 0.17 -43.72 |
| NEWTON___FALLS_HYD 23847 | 3.03 -0.09 -0.99 | 2.72 -0.08 -0.69 | 2.92 -0.08 -0.89 | 2.97 -0.09 -0.94 | 2.89 -0.09 -0.88 | 2.19 -0.05 -0.99 | 5.90 -0.22 -1.11 | 19.81 -0.66 -0.96 | 10.03 -0.34 -0.29 | 8.93 -0.37 0.47 | 7.23 -0.27 -0.98 | 7.65 -0.32 -0.91 | 8.05 -0.38 -0.83 | 5.83 -0.27 -0.86 | 8.33 -0.42 -0.80 | 8.36 -0.44 -0.80 | 8.52 -0.42 -0.92 | 10.27 -0.45 -1.02 | 11.40 -0.42 -1.07 | 13.45 -0.42 -1.13 | 14.59 -0.42 -0.99 | 14.26 -0.55 -0.37 | 7.87 -0.30 -0.89 | 3.01 -0.10 -0.97 |
| NIAGARA_115E_LBMP 323715 | 10.92 0.09 -8.70 | 10.24 0.05 -8.07 | 10.39 0.04 -8.24 | 10.38 0.06 -8.20 | 10.33 0.02 -8.21 | 10.16 0.04 -8.88 | 14.99 0.24 -9.75 | 27.48 -0.43 -8.40 | 20.02 -0.29 -10.24 | 18.22 -0.15 -8.59 | 15.04 -0.07 -8.58 | 15.02 0.00 -7.96 | 14.99 0.13 -7.25 | 12.90 0.10 -7.57 | 14.99 0.06 -6.97 | 14.99 0.02 -6.96 | 15.04 -0.06 -7.08 | 17.32 -0.20 -7.83 | 19.74 -0.17 -9.16 | 21.97 -0.45 -9.68 | 21.94 -0.53 -8.46 | 19.73 -0.07 -5.36 | 14.98 0.10 -7.60 | 10.58 0.11 -8.34 |
| NIAGARA_115W_LBMP 323714 | 10.94 0.08 -8.73 | 10.26 0.04 -8.10 | 10.41 0.03 -8.26 | 10.39 0.05 -8.23 | 10.35 0.01 -8.23 | 10.19 0.03 -8.91 | 15.00 0.22 -9.78 | 27.44 -0.45 -8.38 | 19.99 -0.29 -10.20 | 18.19 -0.15 -8.56 | 15.01 -0.07 -8.56 | 15.01 -0.01 -7.96 | 14.99 0.11 -7.28 | 12.91 0.09 -7.59 | 15.00 0.05 -7.00 | 15.00 0.01 -6.99 | 15.02 -0.06 -7.07 | 17.30 -0.20 -7.81 | 19.71 -0.17 -9.13 | 21.93 -0.46 -9.65 | 21.91 -0.55 -8.44 | 19.70 -0.09 -5.35 | 15.00 0.09 -7.63 | 10.59 0.09 -8.37 |
| NIAGARA_230_LBMP 323716 | 10.88 0.10 -8.66 | 10.21 0.06 -8.03 | 10.36 0.05 -8.19 | 10.34 0.07 -8.16 | 10.30 0.03 -8.16 | 10.12 0.04 -8.83 | 14.97 0.27 -9.70 | 27.69 -0.18 -8.36 | 20.10 -0.16 -10.18 | 18.29 -0.03 -8.54 | 15.08 0.02 -8.54 | 15.06 0.09 -7.92 | 15.01 0.19 -7.22 | 12.90 0.14 -7.53 | 15.02 0.14 -6.94 | 15.03 0.10 -6.93 | 15.10 0.05 -7.05 | 17.41 -0.08 -7.79 | 19.83 -0.03 -9.11 | 22.08 -0.29 -9.63 | 22.08 -0.35 -8.42 | 19.87 0.10 -5.33 | 15.01 0.17 -7.56 | 10.54 0.11 -8.30 |
| NIAGARA____ 23760 | 10.93 0.09 -8.72 | 10.25 0.04 -8.08 | 10.40 0.04 -8.25 | 10.38 0.05 -8.21 | 10.34 0.01 -8.22 | 10.17 0.03 -8.89 | 14.99 0.23 -9.76 | 27.55 -0.35 -8.39 | 20.03 -0.26 -10.22 | 18.22 -0.14 -8.58 | 15.03 -0.06 -8.57 | 15.02 0.00 -7.96 | 14.99 0.12 -7.26 | 12.91 0.10 -7.58 | 14.99 0.06 -6.98 | 14.99 0.02 -6.97 | 15.03 -0.06 -7.08 | 17.33 -0.18 -7.82 | 19.75 -0.15 -9.15 | 21.99 -0.41 -9.66 | 21.98 -0.48 -8.44 | 19.73 -0.06 -5.35 | 14.99 0.10 -7.61 | 10.59 0.10 -8.35 |

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|------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| NINE_MILE_1 23575 | 5.52 -0.02 -3.42 | 5.10 -0.03 -3.01 | 5.29 -0.03 -3.20 | 5.31 -0.03 -3.22 | 5.25 -0.04 -3.18 | 4.70 -0.02 -3.47 | 8.80 -0.03 -3.83 | 22.60 -0.21 -3.30 | 13.37 -0.14 -3.43 | 12.05 -0.13 -2.40 | 9.81 -0.08 -3.37 | 10.10 -0.08 -3.12 | 10.37 -0.08 -2.85 | 8.14 -0.06 -2.97 | 10.61 -0.08 -2.74 | 10.66 -0.07 -2.73 | 10.73 -0.07 -2.79 | 12.67 -0.11 -3.08 | 14.25 -0.11 -3.60 | 16.39 -0.15 -3.81 | 17.16 -0.18 -3.33 | 15.51 -0.16 -1.23 | 10.17 -0.09 -2.99 | 5.39 -0.02 -3.28 |
| NINE_MILE_2 23744 | 5.51 -0.02 -3.41 | 5.09 -0.03 -3.01 | 5.28 -0.03 -3.20 | 5.30 -0.03 -3.21 | 5.25 -0.03 -3.17 | 4.70 -0.02 -3.46 | 8.79 -0.03 -3.82 | 22.59 -0.21 -3.29 | 13.36 -0.14 -3.43 | 12.05 -0.13 -2.40 | 9.81 -0.08 -3.36 | 10.10 -0.08 -3.12 | 10.36 -0.08 -2.84 | 8.14 -0.06 -2.96 | 10.61 -0.07 -2.73 | 10.66 -0.07 -2.73 | 10.72 -0.07 -2.78 | 12.67 -0.11 -3.08 | 14.24 -0.11 -3.60 | 16.39 -0.15 -3.80 | 17.17 -0.17 -3.32 | 15.51 -0.16 -1.23 | 10.17 -0.09 -2.99 | 5.38 -0.02 -3.28 |
| NM_CAPITAL___DRP 24208 | 63.88 0.16 -61.59 | 62.73 0.15 -60.46 | 61.23 0.15 -58.96 | 60.29 0.15 -58.03 | 61.20 0.15 -58.95 | 64.51 0.09 -63.17 | 74.38 0.38 -68.99 | 80.36 1.37 -59.49 | 95.68 0.73 -84.87 | 91.82 0.71 -81.33 | 67.76 0.48 -60.76 | 63.91 0.52 -56.33 | 59.54 0.58 -51.35 | 59.18 0.39 -53.56 | 57.90 0.59 -49.36 | 57.88 0.59 -49.29 | 58.67 0.59 -50.06 | 65.73 0.69 -55.35 | 76.29 0.77 -64.76 | 82.08 0.89 -68.46 | 74.81 0.98 -59.81 | 71.07 1.04 -55.59 | 61.54 0.52 -53.74 | 61.24 0.14 -58.97 |
| NM_CENTRAL___DRP 24181 | 6.63 0.02 -4.48 | 6.08 0.01 -3.94 | 6.32 0.01 -4.19 | 6.35 0.01 -4.22 | 6.28 0.01 -4.17 | 5.81 0.01 -4.54 | 10.12 0.09 -5.01 | 24.11 0.27 -4.32 | 14.67 0.09 -4.50 | 13.03 0.11 -3.15 | 11.01 0.08 -4.41 | 11.25 0.09 -4.09 | 11.45 0.11 -3.73 | 9.20 0.08 -3.89 | 11.66 0.12 -3.59 | 11.70 0.12 -3.58 | 11.82 0.12 -3.69 | 13.89 0.12 -4.08 | 15.67 0.15 -4.77 | 17.93 0.15 -5.04 | 18.57 0.15 -4.40 | 16.24 0.17 -1.63 | 11.30 0.07 -3.96 | 6.50 0.03 -4.34 |
| NM_FRONTIER___DRP 24179 | 10.94 0.08 -8.73 | 10.26 0.04 -8.10 | 10.41 0.03 -8.26 | 10.39 0.05 -8.23 | 10.35 0.01 -8.23 | 10.19 0.03 -8.91 | 15.00 0.22 -9.78 | 27.44 -0.45 -8.38 | 19.99 -0.29 -10.20 | 18.19 -0.15 -8.56 | 15.01 -0.07 -8.56 | 15.01 -0.01 -7.96 | 14.99 0.11 -7.28 | 12.91 0.09 -7.59 | 15.00 0.05 -7.00 | 15.00 0.01 -6.99 | 15.02 -0.06 -7.07 | 17.30 -0.20 -7.81 | 19.71 -0.17 -9.13 | 21.93 -0.46 -9.65 | 21.91 -0.55 -8.44 | 19.70 -0.09 -5.35 | 15.00 0.09 -7.63 | 10.59 0.09 -8.37 |
| NM_ST_REGIS___HYD 24053 | 2.01 -0.11 0.00 | 1.82 -0.10 0.19 | 1.98 -0.10 0.04 | 2.01 -0.11 0.00 | 1.95 -0.10 0.05 | 1.16 -0.07 0.02 | 4.66 -0.35 0.00 | 18.38 -1.13 0.00 | 8.82 -0.54 0.72 | 8.01 -0.59 1.19 | 6.10 -0.42 0.00 | 6.58 -0.48 0.00 | 7.03 -0.57 0.00 | 4.84 -0.39 0.00 | 7.33 -0.62 0.00 | 7.38 -0.62 0.00 | 7.41 -0.60 0.00 | 9.04 -0.66 0.00 | 9.99 -0.76 0.00 | 11.97 -0.76 0.00 | 13.23 -0.78 0.00 | 13.50 -0.94 0.00 | 6.83 -0.44 0.00 | 1.98 -0.15 0.00 |
| NORTHPORT___1 23551 | 90.44 0.24 -88.07 | 74.99 0.23 -72.64 | 70.63 0.23 -68.28 | 69.63 0.22 -67.29 | 74.99 0.21 -72.67 | 86.55 0.14 -85.16 | 92.05 0.62 -86.42 | 93.54 2.34 -71.69 | 92.14 1.25 -80.81 | 92.12 1.22 -81.12 | 72.04 0.78 -64.75 | 72.04 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.65 -55.68 | 60.09 0.99 -51.15 | 60.57 0.99 -51.58 | 62.30 0.97 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.94 1.49 -76.71 | 90.94 1.64 -75.29 | 78.21 1.69 -62.08 | 60.55 0.85 -52.42 | 57.71 0.24 -55.34 |
| NORTHPORT___2 23552 | 90.44 0.24 -88.07 | 74.99 0.23 -72.64 | 70.63 0.23 -68.28 | 69.63 0.22 -67.29 | 74.99 0.21 -72.67 | 86.55 0.14 -85.16 | 92.05 0.62 -86.42 | 93.54 2.34 -71.69 | 92.14 1.25 -80.81 | 92.12 1.22 -81.12 | 72.04 0.78 -64.75 | 72.04 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.65 -55.68 | 60.09 0.99 -51.15 | 60.57 0.99 -51.58 | 62.30 0.97 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.94 1.49 -76.71 | 90.94 1.64 -75.29 | 78.21 1.69 -62.08 | 60.55 0.85 -52.42 | 57.71 0.24 -55.34 |
| NORTHPORT___3 23553 | 90.42 0.22 -88.07 | 74.98 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.97 0.20 -72.67 | 86.55 0.13 -85.16 | 92.02 0.59 -86.42 | 93.29 2.09 -71.69 | 92.02 1.13 -80.81 | 92.02 1.12 -81.12 | 71.95 0.68 -64.75 | 71.93 0.74 -64.12 | 62.18 0.82 -53.75 | 61.50 0.59 -55.68 | 60.02 0.91 -51.15 | 60.48 0.90 -51.58 | 62.18 0.85 -53.32 | 74.27 1.03 -63.54 | 71.87 1.14 -59.97 | 90.77 1.32 -76.71 | 90.75 1.44 -75.29 | 77.99 1.47 -62.08 | 60.48 0.78 -52.42 | 57.70 0.23 -55.34 |
| NORTHPORT___4 23650 | 90.42 0.22 -88.07 | 74.98 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.97 0.20 -72.67 | 86.55 0.13 -85.16 | 92.02 0.59 -86.42 | 93.29 2.09 -71.69 | 92.02 1.13 -80.81 | 92.02 1.12 -81.12 | 71.95 0.68 -64.75 | 71.93 0.74 -64.12 | 62.18 0.82 -53.75 | 61.50 0.59 -55.68 | 60.02 0.91 -51.15 | 60.48 0.90 -51.58 | 62.18 0.85 -53.32 | 74.27 1.03 -63.54 | 71.87 1.14 -59.97 | 90.77 1.32 -76.71 | 90.75 1.44 -75.29 | 77.99 1.47 -62.08 | 60.48 0.78 -52.42 | 57.70 0.23 -55.34 |
| NORTHPORT___IC 23718 | 90.44 0.24 -88.07 | 74.99 0.23 -72.64 | 70.63 0.23 -68.28 | 69.63 0.22 -67.29 | 74.99 0.21 -72.67 | 86.55 0.14 -85.16 | 92.05 0.62 -86.42 | 93.54 2.34 -71.69 | 92.14 1.25 -80.81 | 92.12 1.22 -81.12 | 72.04 0.78 -64.75 | 72.04 0.85 -64.12 | 62.29 0.93 -53.75 | 61.56 0.65 -55.68 | 60.09 0.99 -51.15 | 60.57 0.99 -51.58 | 62.30 0.97 -53.32 | 74.40 1.16 -63.54 | 72.03 1.30 -59.97 | 90.94 1.49 -76.71 | 90.94 1.64 -75.29 | 78.21 1.69 -62.08 | 60.55 0.85 -52.42 | 57.71 0.24 -55.34 |
| NPX_GEN_1385_PROXY 323591 | 65.91 0.19 -63.59 | 60.24 0.18 -57.94 | 60.24 0.18 -57.94 | 60.24 0.18 -57.95 | 60.24 0.17 -57.97 | 64.50 0.11 -63.14 | 68.60 0.51 -63.09 | 77.40 1.93 -55.96 | 89.31 1.04 -78.19 | 80.73 1.01 -69.94 | 68.60 0.64 -61.44 | 61.70 0.70 -53.94 | 59.00 0.75 -50.64 | 56.10 0.53 -50.34 | 55.90 0.81 -47.14 | 53.80 0.82 -44.98 | 56.50 0.79 -47.70 | 61.10 0.96 -50.44 | 70.00 1.06 -58.18 | 72.40 1.22 -58.44 | 67.10 1.35 -51.74 | 60.00 1.37 -44.19 | 55.00 0.69 -47.03 | 55.00 0.20 -52.67 |
| NPX_GEN_CSC 323557 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 87.41 0.14 -86.02 | 91.21 0.63 -85.57 | 93.66 2.46 -71.69 | 92.18 1.29 -80.81 | 92.12 1.22 -81.12 | 71.97 0.70 -64.75 | 71.95 0.76 -64.12 | 62.17 0.81 -53.75 | 61.50 0.59 -55.68 | 60.00 0.90 -51.15 | 60.47 0.90 -51.58 | 62.21 0.88 -53.32 | 74.30 1.07 -63.54 | 71.92 1.19 -59.97 | 90.81 1.36 -76.71 | 90.81 1.50 -75.29 | 78.06 1.55 -62.08 | 60.47 0.77 -52.42 | 57.70 0.23 -55.34 |
| NSINS_S_GLNS_FALLS 23858 | 69.32 0.23 -66.96 | 68.68 0.22 -66.34 | 66.56 0.22 -64.22 | 65.42 0.22 -63.08 | 66.58 0.22 -64.25 | 70.10 0.11 -68.74 | 80.47 0.46 -75.01 | 85.92 1.74 -64.67 | 105.41 0.81 -94.53 | 102.72 0.78 -92.16 | 73.08 0.51 -66.05 | 68.89 0.59 -61.24 | 64.05 0.62 -55.83 | 63.86 0.41 -58.23 | 62.20 0.59 -53.67 | 62.18 0.60 -53.58 | 63.09 0.64 -54.44 | 70.65 0.77 -60.19 | 82.02 0.85 -70.42 | 88.17 0.99 -74.44 | 80.18 1.12 -65.04 | 79.69 1.52 -63.73 | 66.47 0.76 -58.43 | 66.45 0.20 -64.12 |
| NUCOR_STEEL___DRP 24197 | 8.54 0.06 -6.35 | 8.03 0.05 -5.85 | 8.17 0.05 -6.01 | 8.16 0.05 -5.99 | 8.13 0.04 -5.98 | 7.76 0.03 -6.48 | 12.31 0.19 -7.12 | 26.23 0.58 -6.14 | 17.65 0.24 -7.33 | 16.06 0.25 -6.03 | 12.95 0.16 -6.27 | 13.05 0.18 -5.81 | 13.11 0.21 -5.30 | 10.90 0.15 -5.52 | 13.25 0.21 -5.09 | 13.29 0.21 -5.08 | 13.41 0.22 -5.19 | 15.68 0.25 -5.74 | 17.76 0.30 -6.71 | 20.22 0.40 -7.09 | 20.60 0.39 -6.20 | 18.65 0.45 -3.76 | 13.05 0.20 -5.57 | 8.31 0.07 -6.11 |

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| NYISO_LBMP_REFERENCE 24008 | 2.13 0.00 0.00 | 2.12 0.00 0.00 | 2.12 0.00 0.00 | 2.12 0.00 0.00 | 2.11 0.00 0.00 | 1.25 0.00 0.00 | 5.01 0.00 0.00 | 19.51 0.00 0.00 | 10.08 0.00 0.00 | 9.78 0.00 0.00 | 6.52 0.00 0.00 | 7.06 0.00 0.00 | 7.60 0.00 0.00 | 5.23 0.00 0.00 | 7.95 0.00 0.00 | 8.00 0.00 0.00 | 8.01 0.00 0.00 | 9.70 0.00 0.00 | 10.75 0.00 0.00 | 12.74 0.00 0.00 | 14.02 0.00 0.00 | 14.44 0.00 0.00 | 7.28 0.00 0.00 | 2.13 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.10 0.67 -86.42 | 93.74 2.54 -71.69 | 92.24 1.35 -80.81 | 92.21 1.31 -81.12 | 72.12 0.85 -64.75 | 72.13 0.94 -64.12 | 62.37 1.01 -53.75 | 61.62 0.71 -55.68 | 60.17 1.07 -51.15 | 60.66 1.08 -51.58 | 62.39 1.06 -53.32 | 74.52 1.28 -63.54 | 72.11 1.39 -59.97 | 91.05 1.60 -76.71 | 91.06 1.75 -75.29 | 78.31 1.79 -62.08 | 60.63 0.93 -52.42 | 57.73 0.27 -55.34 |
| NYPA_GOWANUS____GT5 24156 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NYPA_GOWANUS____GT6 24157 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NYPA_HARLEM__RVR__GT1 24160 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NYPA_HARLEM__RVR__GT2 24161 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NYPA_KENT____GT 24152 | 50.56 0.20 -48.24 | 47.44 0.18 -45.14 | 48.04 0.19 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.11 -49.23 | 59.50 0.48 -54.01 | 67.92 1.83 -46.57 | 69.32 1.00 -58.24 | 60.87 1.00 -50.09 | 54.77 0.68 -47.57 | 51.92 0.76 -44.10 | 48.64 0.82 -40.21 | 47.74 0.58 -41.94 | 47.48 0.87 -38.65 | 47.48 0.89 -38.60 | 48.04 0.84 -39.19 | 54.07 1.05 -43.33 | 62.62 1.17 -50.69 | 67.68 1.36 -53.58 | 62.32 1.49 -46.81 | 47.46 1.46 -31.56 | 50.04 0.70 -42.06 | 48.49 0.20 -46.16 |
| NYPA_POUCH1____GT 24155 | 48.35 0.20 -46.02 | 46.76 0.18 -44.46 | 48.04 0.20 -45.73 | 46.91 0.17 -44.62 | 46.97 0.16 -44.70 | 48.34 0.10 -46.99 | 59.46 0.44 -54.01 | 67.03 1.70 -45.82 | 62.09 0.92 -51.09 | 54.64 0.92 -43.94 | 50.67 0.63 -43.52 | 49.23 0.70 -41.46 | 47.57 0.77 -39.19 | 47.12 0.53 -41.35 | 46.98 0.83 -38.21 | 46.98 0.83 -38.15 | 47.26 0.79 -38.46 | 50.33 0.99 -39.64 | 54.66 1.11 -42.80 | 58.27 1.30 -44.23 | 56.23 1.40 -40.81 | 46.93 1.36 -31.13 | 48.27 0.65 -40.34 | 46.55 0.19 -44.22 |
| NYPA_VERNON____GT2 24162 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.10 | 48.65 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.06 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.49 0.20 -46.16 |
| NYPA_VERNON____GT3 24163 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.10 | 48.65 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.06 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.49 0.20 -46.16 |
| NYPA__ASTORIA_CC1 323568 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| NYPA__ASTORIA_CC2 323569 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.74 0.17 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.97 1.89 -46.57 | 69.34 1.02 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.66 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| NYPA__HOLTSVILL 23794 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.08 0.65 -86.42 | 93.68 2.48 -71.69 | 92.21 1.32 -80.81 | 92.17 1.27 -81.12 | 72.06 0.79 -64.75 | 72.05 0.86 -64.12 | 62.29 0.94 -53.75 | 61.57 0.66 -55.68 | 60.10 0.99 -51.15 | 60.58 1.00 -51.58 | 62.32 0.98 -53.32 | 74.42 1.18 -63.54 | 72.05 1.32 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.24 1.72 -62.08 | 60.56 0.86 -52.42 | 57.72 0.25 -55.34 |
| NYPA__HELLGATE_GT1 24158 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |
| NYPA__HELLGATE_GT2 24159 | 50.55 0.19 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.74 0.18 -45.44 | 47.86 0.17 -45.59 | 50.60 0.11 -49.23 | 59.49 0.48 -54.01 | 67.89 1.81 -46.56 | 69.29 0.98 -58.23 | 60.84 0.99 -50.08 | 54.75 0.67 -47.56 | 51.89 0.74 -44.09 | 48.61 0.81 -40.20 | 47.72 0.57 -41.92 | 47.46 0.87 -38.64 | 47.45 0.87 -38.58 | 48.02 0.83 -39.17 | 54.04 1.03 -43.31 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.55 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| NYS_BARGE___HYD 23848 | 10.69 0.12 -8.44 | 10.02 0.08 -7.82 | 10.17 0.07 -7.99 | 10.16 0.09 -7.95 | 10.11 0.05 -7.96 | 9.91 0.06 -8.61 | 14.78 0.33 -9.45 | 27.64 -0.02 -8.15 | 19.92 -0.08 -9.92 | 18.15 0.06 -8.31 | 14.91 0.07 -8.32 | 14.92 0.14 -7.72 | 14.90 0.27 -7.03 | 12.76 0.19 -7.34 | 14.92 0.21 -6.76 | 14.92 0.17 -6.75 | 14.98 0.10 -6.87 | 17.29 0.00 -7.59 | 19.69 0.05 -8.88 | 21.96 -0.17 -9.39 | 22.00 -0.22 -8.20 | 19.86 0.23 -5.18 | 14.89 0.24 -7.37 | 10.36 0.14 -8.09 |
| OAK_ORCHARD___HYD 24046 | 8.58 0.08 -6.38 | 8.07 0.06 -5.89 | 8.20 0.05 -6.03 | 8.19 0.06 -6.01 | 8.16 0.04 -6.01 | 7.79 0.04 -6.50 | 12.39 0.24 -7.14 | 26.14 0.47 -6.16 | 17.67 0.16 -7.43 | 16.18 0.23 -6.17 | 12.99 0.18 -6.29 | 13.10 0.21 -5.83 | 13.20 0.28 -5.32 | 10.96 0.19 -5.54 | 13.32 0.26 -5.11 | 13.34 0.24 -5.10 | 13.43 0.22 -5.19 | 15.63 0.19 -5.74 | 17.70 0.23 -6.72 | 20.03 0.19 -7.10 | 20.40 0.18 -6.20 | 18.63 0.35 -3.84 | 13.03 0.18 -5.57 | 8.33 0.08 -6.12 |
| OCC_CHEM___DRP 24175 | 10.98 0.10 -8.76 | 10.30 0.05 -8.12 | 10.45 0.05 -8.29 | 10.43 0.06 -8.25 | 10.38 0.02 -8.26 | 10.22 0.04 -8.93 | 15.07 0.25 -9.81 | 27.64 -0.33 -8.46 | 20.15 -0.23 -10.30 | 18.34 -0.09 -8.65 | 15.13 -0.03 -8.64 | 15.11 0.04 -8.01 | 15.06 0.16 -7.30 | 12.97 0.13 -7.61 | 15.07 0.10 -7.02 | 15.07 0.06 -7.01 | 15.13 -0.01 -7.13 | 17.43 -0.15 -7.88 | 19.86 -0.11 -9.22 | 22.10 -0.38 -9.74 | 22.07 -0.46 -8.51 | 19.83 0.00 -5.39 | 15.06 0.14 -7.65 | 10.63 0.11 -8.39 |
| OH_GEN_PROXY 24063 | 10.97 0.10 -8.75 | 10.29 0.06 -8.11 | 10.44 0.05 -8.28 | 10.43 0.07 -8.24 | 10.38 0.03 -8.25 | 11.06 0.04 -9.77 | 14.22 0.28 -8.94 | 27.84 -0.12 -8.44 | 20.24 -0.13 -10.29 | 18.40 -0.01 -8.63 | 15.17 0.03 -8.62 | 15.15 0.09 -8.00 | 15.08 0.19 -7.29 | 12.97 0.14 -7.60 | 15.10 0.14 -7.01 | 15.11 0.11 -7.00 | 15.18 0.06 -7.12 | 17.51 -0.06 -7.87 | 19.94 -0.01 -9.20 | 22.21 -0.25 -9.73 | 22.21 -0.31 -8.50 | 19.94 0.11 -5.38 | 15.09 0.17 -7.64 | 10.62 0.11 -8.38 |
| OLIN_CORP_DRP 24177 | 10.98 0.10 -8.76 | 10.30 0.05 -8.12 | 10.45 0.05 -8.29 | 10.43 0.06 -8.25 | 10.38 0.02 -8.26 | 10.22 0.04 -8.93 | 15.07 0.25 -9.81 | 27.64 -0.33 -8.46 | 20.15 -0.23 -10.30 | 18.34 -0.09 -8.65 | 15.13 -0.03 -8.64 | 15.11 0.04 -8.01 | 15.06 0.16 -7.30 | 12.97 0.13 -7.61 | 15.06 0.10 -7.02 | 15.07 0.06 -7.01 | 15.13 -0.01 -7.13 | 17.43 -0.15 -7.88 | 19.86 -0.11 -9.22 | 22.10 -0.38 -9.74 | 22.07 -0.46 -8.51 | 19.83 0.00 -5.39 | 15.06 0.14 -7.65 | 10.63 0.11 -8.39 |
| OLIN_CORP_DSASP 323712 | 10.98 0.10 -8.76 | 10.30 0.05 -8.12 | 10.45 0.05 -8.29 | 10.43 0.06 -8.25 | 10.38 0.02 -8.26 | 10.22 0.04 -8.93 | 15.07 0.25 -9.81 | 27.64 -0.33 -8.46 | 20.15 -0.23 -10.30 | 18.34 -0.09 -8.65 | 15.13 -0.03 -8.64 | 15.11 0.04 -8.01 | 15.06 0.16 -7.30 | 12.97 0.13 -7.61 | 15.07 0.10 -7.02 | 15.07 0.06 -7.01 | 15.13 -0.01 -7.13 | 17.43 -0.15 -7.88 | 19.86 -0.11 -9.22 | 22.10 -0.38 -9.74 | 22.07 -0.46 -8.51 | 19.83 0.00 -5.39 | 15.06 0.14 -7.65 | 10.63 0.11 -8.39 |
| ONEIDA_HERK_LFGE 323681 | 2.17 0.04 0.00 | 1.68 0.03 0.47 | 2.05 0.03 0.10 | 2.15 0.03 0.00 | 2.01 0.03 0.12 | 1.23 0.02 0.05 | 5.15 0.15 0.00 | 20.12 0.61 0.00 | 8.60 0.28 1.76 | 7.11 0.25 2.92 | 6.70 0.18 0.00 | 7.25 0.18 0.00 | 7.79 0.18 0.00 | 5.35 0.12 0.00 | 8.12 0.17 0.00 | 8.15 0.15 0.00 | 8.16 0.15 0.00 | 9.90 0.20 0.00 | 12.04 0.25 -1.04 | 14.14 0.31 -1.10 | 15.33 0.35 -0.96 | 13.39 0.30 1.36 | 8.26 0.12 -0.87 | 3.11 0.03 -0.95 |
| ONONDAGA_REF_OCCRA 23987 | 9.14 0.07 -6.95 | 8.56 0.05 -6.39 | 8.73 0.05 -6.57 | 8.72 0.05 -6.55 | 8.69 0.04 -6.54 | 8.37 0.04 -7.08 | 13.01 0.22 -7.78 | 26.96 0.74 -6.71 | 18.37 0.32 -7.97 | 16.62 0.32 -6.52 | 13.59 0.21 -6.85 | 13.64 0.23 -6.35 | 13.66 0.26 -5.79 | 11.45 0.18 -6.04 | 13.78 0.26 -5.57 | 13.82 0.26 -5.56 | 13.97 0.27 -5.68 | 16.29 0.31 -6.28 | 18.49 0.39 -7.35 | 20.95 0.45 -7.77 | 21.29 0.49 -6.79 | 19.03 0.52 -4.07 | 13.61 0.23 -6.10 | 8.89 0.07 -6.69 |
| ONONDAGA___COGEN 23986 | 7.74 0.05 -5.56 | 7.26 0.03 -5.10 | 7.40 0.03 -5.25 | 7.39 0.03 -5.24 | 7.36 0.03 -5.23 | 6.94 0.02 -5.67 | 11.38 0.15 -6.23 | 25.37 0.49 -5.37 | 16.62 0.20 -6.34 | 15.14 0.21 -5.16 | 12.14 0.14 -5.49 | 12.30 0.15 -5.09 | 12.42 0.18 -4.64 | 10.19 0.13 -4.84 | 12.60 0.19 -4.46 | 12.64 0.19 -4.45 | 12.76 0.20 -4.55 | 14.95 0.22 -5.03 | 16.90 0.27 -5.88 | 19.26 0.31 -6.22 | 19.77 0.32 -5.43 | 18.00 0.35 -3.21 | 12.30 0.15 -4.88 | 7.53 0.05 -5.35 |
| ONTARIO___LFGE 23819 | 9.73 0.09 -7.51 | 9.14 0.07 -6.95 | 9.29 0.06 -7.11 | 9.27 0.07 -7.08 | 9.24 0.06 -7.08 | 8.96 0.05 -7.66 | 13.72 0.30 -8.41 | 27.58 0.82 -7.25 | 19.20 0.34 -8.77 | 17.44 0.35 -7.31 | 14.15 0.22 -7.41 | 14.18 0.25 -6.87 | 14.15 0.29 -6.26 | 11.96 0.20 -6.53 | 14.24 0.27 -6.02 | 14.27 0.26 -6.01 | 14.41 0.28 -6.12 | 16.78 0.32 -6.77 | 19.07 0.41 -7.91 | 21.53 0.43 -8.37 | 21.78 0.45 -7.31 | 19.55 0.55 -4.56 | 14.10 0.25 -6.57 | 9.43 0.09 -7.21 |
| ORANGEVILLE_WT_PWR 323706 | 12.30 0.11 -10.06 | 11.53 0.07 -9.34 | 11.70 0.06 -9.53 | 11.67 0.07 -9.48 | 11.63 0.04 -9.49 | 11.56 0.05 -10.26 | 16.58 0.31 -11.27 | 29.38 0.16 -9.72 | 21.96 0.01 -11.88 | 19.87 0.10 -9.99 | 16.53 0.08 -9.92 | 16.40 0.14 -9.20 | 16.21 0.22 -8.39 | 14.14 0.16 -8.75 | 16.19 0.17 -8.06 | 16.21 0.16 -8.05 | 16.34 0.15 -8.18 | 18.84 0.10 -9.05 | 21.49 0.16 -10.58 | 23.96 0.04 -11.19 | 23.80 0.01 -9.77 | 21.04 0.36 -6.24 | 16.31 0.25 -8.78 | 11.89 0.12 -9.63 |
| ORANGEVILLE___ESR 323794 | 12.30 0.11 -10.06 | 11.53 0.07 -9.34 | 11.70 0.06 -9.53 | 11.67 0.07 -9.48 | 11.63 0.04 -9.49 | 11.56 0.05 -10.26 | 16.58 0.31 -11.27 | 29.38 0.16 -9.72 | 21.96 0.01 -11.88 | 19.87 0.10 -9.99 | 16.53 0.08 -9.92 | 16.40 0.14 -9.20 | 16.21 0.22 -8.39 | 14.14 0.16 -8.75 | 16.19 0.17 -8.06 | 16.21 0.16 -8.05 | 16.34 0.15 -8.18 | 18.84 0.10 -9.05 | 21.49 0.16 -10.58 | 23.96 0.04 -11.19 | 23.80 0.01 -9.77 | 21.04 0.36 -6.24 | 16.31 0.25 -8.78 | 11.89 0.12 -9.63 |
| OSWEGATCHIE___HYD 24044 | 3.03 -0.09 -0.99 | 2.72 -0.08 -0.69 | 2.92 -0.08 -0.89 | 2.97 -0.09 -0.94 | 2.89 -0.09 -0.88 | 2.19 -0.05 -0.99 | 5.90 -0.22 -1.11 | 19.81 -0.66 -0.96 | 10.03 -0.34 -0.29 | 8.93 -0.37 0.47 | 7.23 -0.27 -0.98 | 7.65 -0.32 -0.91 | 8.05 -0.38 -0.83 | 5.83 -0.27 -0.86 | 8.33 -0.42 -0.80 | 8.36 -0.44 -0.80 | 8.52 -0.42 -0.92 | 10.27 -0.45 -1.02 | 11.40 -0.42 -1.07 | 13.45 -0.42 -1.13 | 14.59 -0.42 -0.99 | 14.26 -0.55 -0.37 | 7.87 -0.30 -0.89 | 3.01 -0.10 -0.97 |
| OSWEGO___5 23606 | 5.97 -0.01 -3.85 | 5.50 -0.02 -3.39 | 5.71 -0.02 -3.61 | 5.73 -0.01 -3.63 | 5.67 -0.02 -3.58 | 5.15 -0.01 -3.91 | 9.33 0.01 -4.31 | 23.15 -0.08 -3.72 | 13.88 -0.07 -3.87 | 12.43 -0.06 -2.71 | 10.29 -0.03 -3.80 | 10.55 -0.04 -3.52 | 10.79 -0.02 -3.21 | 8.56 -0.02 -3.35 | 11.01 -0.02 -3.09 | 11.06 -0.02 -3.08 | 11.13 -0.02 -3.14 | 13.13 -0.04 -3.47 | 14.77 -0.04 -4.06 | 16.97 -0.06 -4.29 | 17.69 -0.08 -3.75 | 15.77 -0.06 -1.39 | 10.61 -0.04 -3.37 | 5.82 -0.01 -3.70 |
| OSWEGO___6 23613 | 5.97 -0.01 -3.85 | 5.50 -0.02 -3.39 | 5.71 -0.02 -3.61 | 5.73 -0.01 -3.63 | 5.67 -0.02 -3.58 | 5.15 -0.01 -3.91 | 9.33 0.01 -4.31 | 23.15 -0.08 -3.72 | 13.88 -0.07 -3.87 | 12.43 -0.06 -2.71 | 10.29 -0.03 -3.80 | 10.55 -0.04 -3.52 | 10.79 -0.02 -3.21 | 8.56 -0.02 -3.35 | 11.01 -0.02 -3.09 | 11.06 -0.02 -3.08 | 11.13 -0.02 -3.14 | 13.13 -0.04 -3.47 | 14.77 -0.04 -4.06 | 16.97 -0.06 -4.29 | 17.69 -0.08 -3.75 | 15.77 -0.06 -1.39 | 10.61 -0.04 -3.37 | 5.82 -0.01 -3.70 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| OUTOKUMPU-AB___DRP 24206 | 11.09 0.14 -8.83 | 10.40 0.10 -8.19 | 10.55 0.08 -8.35 | 10.54 0.11 -8.32 | 10.49 0.06 -8.32 | 10.32 0.06 -9.00 | 15.26 0.37 -9.89 | 28.21 0.18 -8.52 | 20.50 0.03 -10.39 | 18.65 0.16 -8.72 | 15.36 0.14 -8.71 | 15.35 0.21 -8.07 | 15.30 0.33 -7.36 | 13.15 0.25 -7.67 | 15.30 0.28 -7.07 | 15.31 0.25 -7.06 | 15.39 0.19 -7.18 | 17.73 0.10 -7.94 | 20.21 0.17 -9.29 | 22.53 -0.03 -9.82 | 22.54 -0.06 -8.58 | 20.28 0.40 -5.44 | 15.31 0.32 -7.71 | 10.75 0.16 -8.46 |
| OXBOW____ 24026 | 11.04 0.12 -8.79 | 10.35 0.08 -8.16 | 10.51 0.07 -8.32 | 10.49 0.09 -8.28 | 10.44 0.04 -8.29 | 10.27 0.05 -8.97 | 15.18 0.32 -9.85 | 27.96 -0.04 -8.49 | 20.34 -0.08 -10.35 | 18.51 0.05 -8.68 | 15.26 0.07 -8.67 | 15.24 0.13 -8.04 | 15.19 0.26 -7.33 | 13.07 0.19 -7.64 | 15.20 0.21 -7.05 | 15.20 0.17 -7.04 | 15.27 0.10 -7.16 | 17.60 -0.01 -7.91 | 20.06 0.05 -9.25 | 22.34 -0.18 -9.78 | 22.34 -0.22 -8.55 | 20.09 0.23 -5.42 | 15.20 0.24 -7.68 | 10.70 0.14 -8.43 |
| OXY_CHEM_DSASP 323612 | 10.98 0.10 -8.76 | 10.30 0.05 -8.12 | 10.45 0.05 -8.29 | 10.43 0.06 -8.25 | 10.38 0.02 -8.26 | 10.22 0.04 -8.93 | 15.07 0.25 -9.81 | 27.64 -0.33 -8.46 | 20.15 -0.23 -10.30 | 18.34 -0.09 -8.65 | 15.13 -0.03 -8.64 | 15.11 0.04 -8.01 | 15.06 0.16 -7.30 | 12.97 0.13 -7.61 | 15.07 0.10 -7.02 | 15.07 0.06 -7.01 | 15.13 -0.01 -7.13 | 17.43 -0.15 -7.88 | 19.86 -0.11 -9.22 | 22.10 -0.38 -9.74 | 22.07 -0.46 -8.51 | 19.83 0.00 -5.39 | 15.06 0.14 -7.65 | 10.63 0.11 -8.39 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 10.98 0.10 -8.76 | 10.30 0.05 -8.12 | 10.45 0.05 -8.29 | 10.43 0.06 -8.25 | 10.38 0.02 -8.26 | 10.22 0.04 -8.93 | 15.07 0.25 -9.81 | 27.64 -0.33 -8.46 | 20.15 -0.23 -10.30 | 18.34 -0.09 -8.65 | 15.13 -0.03 -8.64 | 15.11 0.04 -8.01 | 15.06 0.16 -7.30 | 12.97 0.13 -7.61 | 15.07 0.10 -7.02 | 15.07 0.06 -7.01 | 15.13 -0.01 -7.13 | 17.43 -0.15 -7.88 | 19.86 -0.11 -9.22 | 22.10 -0.38 -9.74 | 22.07 -0.46 -8.51 | 19.83 0.00 -5.39 | 15.06 0.14 -7.65 | 10.63 0.11 -8.39 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 50.55 0.18 -48.24 | 47.44 0.18 -45.14 | 48.02 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.16 -45.59 | 50.59 0.11 -49.23 | 59.48 0.47 -54.01 | 67.87 1.79 -46.56 | 69.28 0.97 -58.23 | 60.83 0.98 -50.08 | 54.74 0.67 -47.56 | 51.89 0.73 -44.09 | 48.60 0.80 -40.20 | 47.71 0.56 -41.92 | 47.45 0.86 -38.64 | 47.45 0.86 -38.58 | 48.01 0.83 -39.17 | 54.03 1.02 -43.31 | 62.56 1.13 -50.68 | 67.62 1.31 -53.57 | 62.25 1.43 -46.81 | 47.42 1.43 -31.55 | 50.01 0.68 -42.06 | 48.49 0.20 -46.16 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 50.59 0.22 -48.24 | 47.48 0.22 -45.14 | 48.05 0.21 -45.73 | 47.76 0.20 -45.44 | 47.89 0.19 -45.59 | 50.61 0.12 -49.23 | 59.56 0.55 -54.01 | 68.14 2.07 -46.56 | 69.42 1.11 -58.23 | 60.96 1.10 -50.08 | 54.83 0.75 -47.56 | 51.99 0.83 -44.09 | 48.70 0.90 -40.20 | 47.78 0.63 -41.92 | 47.55 0.96 -38.64 | 47.55 0.97 -38.58 | 48.11 0.93 -39.17 | 54.16 1.15 -43.31 | 62.71 1.28 -50.68 | 67.78 1.48 -53.57 | 62.45 1.63 -46.81 | 47.61 1.62 -31.55 | 50.11 0.77 -42.06 | 48.52 0.23 -46.16 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 11.82 0.16 -9.53 | 11.08 0.11 -8.84 | 11.24 0.10 -9.02 | 11.22 0.13 -8.98 | 11.17 0.08 -8.98 | 11.05 0.08 -9.72 | 16.12 0.44 -10.67 | 29.28 0.57 -9.20 | 21.52 0.21 -11.23 | 19.52 0.30 -9.44 | 16.15 0.23 -9.40 | 16.08 0.30 -8.71 | 15.95 0.40 -7.94 | 13.79 0.28 -8.28 | 15.94 0.36 -7.63 | 15.95 0.33 -7.62 | 16.07 0.30 -7.75 | 18.52 0.25 -8.57 | 21.12 0.34 -10.03 | 23.59 0.25 -10.60 | 23.52 0.24 -9.26 | 20.97 0.63 -5.89 | 16.01 0.41 -8.32 | 11.44 0.18 -9.13 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 51.35 0.18 -49.04 | 48.34 0.17 -46.04 | 48.81 0.17 -46.52 | 48.48 0.17 -46.20 | 48.65 0.16 -46.39 | 51.43 0.10 -50.07 | 60.42 0.49 -54.92 | 68.74 1.87 -47.35 | 70.87 1.01 -59.78 | 62.62 0.99 -51.86 | 55.54 0.65 -48.36 | 52.66 0.76 -44.84 | 49.30 0.82 -40.88 | 48.43 0.57 -42.63 | 48.11 0.87 -39.29 | 48.11 0.87 -39.24 | 48.71 0.86 -39.84 | 54.80 1.06 -44.05 | 63.48 1.19 -51.54 | 68.63 1.41 -54.48 | 63.16 1.54 -47.60 | 48.87 1.52 -32.91 | 50.76 0.72 -42.77 | 49.26 0.20 -46.93 |
| PEEKSKILL____ 23653 | 50.20 0.16 -47.91 | 47.11 0.15 -44.83 | 47.69 0.15 -45.42 | 47.40 0.15 -45.13 | 47.52 0.14 -45.28 | 50.25 0.09 -48.90 | 59.16 0.44 -53.72 | 67.48 1.66 -46.32 | 68.88 0.90 -57.90 | 60.43 0.88 -49.78 | 54.42 0.60 -47.31 | 51.58 0.66 -43.86 | 48.31 0.72 -39.98 | 47.43 0.50 -41.70 | 47.15 0.76 -38.43 | 47.10 0.77 -38.34 | 47.72 0.75 -38.97 | 53.69 0.91 -43.08 | 62.18 1.02 -50.41 | 67.22 1.20 -53.28 | 61.88 1.30 -46.56 | 47.13 1.31 -31.38 | 49.72 0.62 -41.83 | 48.20 0.17 -45.90 |
| PGE MADISON___WINDPWR 24146 | 13.22 0.24 -10.85 | 12.39 0.22 -10.06 | 12.58 0.20 -10.27 | 12.54 0.20 -10.22 | 12.52 0.18 -10.23 | 12.44 0.12 -11.07 | 17.93 0.77 -12.15 | 33.01 3.02 -10.48 | 24.23 1.41 -12.75 | 21.69 1.24 -10.67 | 18.05 0.83 -10.70 | 17.90 0.92 -9.92 | 17.65 1.00 -9.05 | 15.32 0.65 -9.43 | 17.56 0.91 -8.70 | 17.57 0.89 -8.68 | 17.82 0.97 -8.84 | 20.72 1.25 -9.77 | 23.76 1.57 -11.43 | 26.66 1.83 -12.09 | 26.71 2.13 -10.56 | 23.28 2.17 -6.67 | 17.74 0.98 -9.49 | 12.83 0.29 -10.41 |
| PIERCEFIELD___HYD 23852 | 1.99 -0.13 0.00 | 1.81 -0.12 0.19 | 1.96 -0.12 0.04 | 2.00 -0.12 0.00 | 1.94 -0.12 0.05 | 1.15 -0.08 0.02 | 4.62 -0.39 0.00 | 18.22 -1.29 0.00 | 8.75 -0.62 0.71 | 7.95 -0.65 1.18 | 6.06 -0.46 0.00 | 6.55 -0.51 0.00 | 7.01 -0.59 0.00 | 4.82 -0.41 0.00 | 7.31 -0.64 0.00 | 7.35 -0.65 0.00 | 7.38 -0.63 0.00 | 8.99 -0.71 0.00 | 9.94 -0.81 0.00 | 11.91 -0.83 0.00 | 13.16 -0.86 0.00 | 13.43 -1.01 0.00 | 6.79 -0.49 0.00 | 1.98 -0.16 0.00 |
| PINELAWN_CC_1 323563 | 90.45 0.25 -88.07 | 75.00 0.24 -72.64 | 70.64 0.24 -68.28 | 69.64 0.23 -67.29 | 75.00 0.22 -72.67 | 86.56 0.14 -85.16 | 92.08 0.65 -86.42 | 93.66 2.46 -71.69 | 92.20 1.31 -80.81 | 92.18 1.28 -81.12 | 72.04 0.77 -64.75 | 72.02 0.83 -64.12 | 62.27 0.91 -53.75 | 61.55 0.64 -55.68 | 60.07 0.97 -51.15 | 60.55 0.98 -51.58 | 62.28 0.94 -53.32 | 74.37 1.13 -63.54 | 71.99 1.27 -59.97 | 90.87 1.43 -76.71 | 90.85 1.54 -75.29 | 78.18 1.66 -62.08 | 60.60 0.89 -52.42 | 57.73 0.26 -55.34 |
| PJM_GEN_HTP_PROXY 323702 | 50.53 0.18 -48.22 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.57 | 51.43 0.10 -50.07 | 58.64 0.47 -53.16 | 67.89 1.81 -46.57 | 69.29 0.98 -58.24 | 60.83 0.97 -50.08 | 54.74 0.66 -47.56 | 51.88 0.73 -44.09 | 48.60 0.79 -40.20 | 47.71 0.55 -41.93 | 47.44 0.84 -38.64 | 47.44 0.85 -38.59 | 48.01 0.82 -39.18 | 54.01 1.00 -43.32 | 62.55 1.12 -50.68 | 67.61 1.30 -53.57 | 62.24 1.42 -46.81 | 47.42 1.42 -31.56 | 50.00 0.67 -42.06 | 48.47 0.19 -46.15 |
| PJM_GEN_KEystone 24065 | 32.58 0.13 -30.32 | 30.76 0.11 -28.53 | 30.56 0.11 -28.34 | 30.97 0.11 -28.74 | 31.01 0.09 -28.82 | 33.12 0.07 -31.80 | 38.84 0.37 -33.46 | 49.96 0.98 -29.48 | 46.40 0.48 -35.84 | 40.99 0.51 -30.70 | 36.52 0.36 -29.64 | 35.11 0.41 -27.64 | 33.46 0.46 -25.39 | 32.11 0.33 -26.55 | 32.90 0.47 -24.48 | 32.91 0.46 -24.45 | 33.24 0.44 -24.79 | 37.19 0.49 -27.00 | 42.41 0.58 -31.08 | 46.06 0.61 -32.72 | 43.57 0.66 -28.89 | 35.05 0.81 -19.80 | 34.17 0.41 -26.48 | 31.32 0.14 -29.05 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 90.43 0.23 -88.07 | 74.98 0.22 -72.64 | 70.62 0.22 -68.28 | 69.62 0.21 -67.29 | 74.97 0.20 -72.67 | 87.40 0.13 -86.02 | 91.16 0.59 -85.57 | 93.41 2.20 -71.69 | 92.07 1.18 -80.81 | 92.06 1.16 -81.12 | 72.02 0.76 -64.75 | 72.02 0.83 -64.12 | 62.26 0.90 -53.75 | 61.55 0.63 -55.68 | 60.07 0.97 -51.15 | 60.55 0.98 -51.58 | 62.27 0.94 -53.32 | 74.38 1.14 -63.54 | 71.99 1.27 -59.97 | 90.92 1.48 -76.71 | 90.92 1.61 -75.29 | 78.16 1.65 -62.08 | 60.52 0.82 -52.42 | 57.70 0.24 -55.34 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| PJM_GEN_VFT_PROXY 323633 | 46.03 0.16 -43.74 | 46.03 0.15 -43.76 | 38.02 0.16 -35.75 | 46.03 0.14 -43.77 | 46.03 0.14 -43.79 | 46.88 0.09 -45.54 | 58.64 0.47 -53.16 | 66.31 1.76 -45.04 | 54.76 0.95 -43.73 | 48.32 0.94 -37.60 | 46.50 0.64 -39.34 | 46.50 0.71 -38.73 | 46.50 0.77 -38.13 | 46.50 0.54 -40.73 | 46.50 0.82 -37.73 | 46.50 0.82 -37.68 | 46.50 0.79 -37.70 | 46.50 0.97 -35.83 | 46.50 1.09 -34.66 | 48.61 1.26 -34.61 | 50.02 1.37 -34.63 | 46.50 1.39 -30.67 | 46.50 0.65 -38.57 | 44.53 0.18 -42.22 |
| PLEASANTVLY___LBMP 24000 | 51.56 0.15 -49.28 | 48.39 0.14 -46.13 | 48.98 0.14 -46.72 | 48.68 0.14 -46.43 | 48.81 0.13 -46.58 | 51.64 0.09 -50.30 | 60.59 0.39 -55.19 | 68.56 1.46 -47.59 | 70.43 0.80 -59.56 | 61.82 0.78 -51.26 | 55.66 0.53 -48.60 | 52.71 0.59 -45.06 | 49.32 0.64 -41.08 | 48.52 0.44 -42.84 | 48.11 0.68 -39.49 | 48.11 0.68 -39.43 | 48.70 0.66 -40.04 | 54.76 0.80 -44.27 | 63.43 0.89 -51.79 | 68.51 1.03 -54.75 | 62.99 1.13 -47.83 | 47.90 1.14 -32.32 | 50.80 0.55 -42.98 | 49.44 0.15 -47.16 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 50.72 0.17 -48.42 | 47.59 0.16 -45.31 | 48.18 0.16 -45.90 | 47.89 0.15 -45.62 | 48.01 0.15 -45.76 | 50.77 0.10 -49.42 | 59.69 0.45 -54.23 | 67.96 1.70 -46.76 | 69.47 0.92 -58.47 | 60.96 0.90 -50.29 | 54.89 0.61 -47.75 | 52.01 0.68 -44.27 | 48.70 0.74 -40.36 | 47.84 0.52 -42.10 | 47.54 0.79 -38.80 | 47.54 0.79 -38.74 | 48.11 0.76 -39.34 | 54.12 0.93 -43.49 | 62.68 1.04 -50.89 | 67.75 1.22 -53.79 | 62.35 1.33 -47.00 | 47.47 1.34 -31.69 | 50.14 0.63 -42.23 | 48.64 0.18 -46.33 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 52.53 0.17 -50.23 | 49.69 0.17 -47.41 | 49.98 0.17 -47.70 | 49.59 0.16 -47.32 | 49.83 0.15 -47.57 | 52.66 0.10 -51.31 | 61.71 0.46 -56.25 | 69.73 1.72 -48.50 | 73.17 0.93 -62.16 | 65.33 0.90 -54.66 | 56.66 0.61 -49.54 | 53.62 0.63 -45.92 | 50.16 0.68 -41.87 | 49.37 0.48 -43.67 | 48.92 0.72 -40.25 | 48.92 0.73 -40.19 | 49.52 0.71 -40.81 | 55.68 0.86 -45.12 | 64.52 0.98 -52.79 | 69.68 1.15 -55.80 | 64.02 1.25 -48.75 | 50.75 1.24 -35.07 | 51.68 0.60 -43.80 | 50.36 0.16 -48.06 |
| POLETTI____ 23519 | 50.53 0.17 -48.23 | 47.42 0.17 -45.13 | 48.00 0.17 -45.72 | 47.71 0.15 -45.43 | 47.83 0.15 -45.58 | 50.57 0.10 -49.22 | 59.48 0.46 -54.01 | 67.85 1.78 -46.57 | 69.29 0.97 -58.24 | 60.81 0.95 -50.08 | 54.73 0.65 -47.56 | 51.87 0.71 -44.10 | 48.59 0.78 -40.20 | 47.71 0.55 -41.93 | 47.44 0.84 -38.64 | 47.44 0.85 -38.59 | 48.00 0.81 -39.18 | 54.01 0.99 -43.32 | 62.53 1.10 -50.68 | 67.60 1.29 -53.58 | 62.23 1.40 -46.81 | 47.42 1.42 -31.56 | 50.00 0.66 -42.06 | 48.47 0.19 -46.15 |
| PORT_JEFF_3 23555 | 90.45 0.25 -88.07 | 75.01 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.09 0.66 -86.42 | 93.74 2.54 -71.69 | 92.23 1.34 -80.81 | 92.20 1.30 -81.12 | 72.07 0.80 -64.75 | 72.07 0.88 -64.12 | 62.31 0.95 -53.75 | 61.58 0.67 -55.68 | 60.12 1.02 -51.15 | 60.59 1.02 -51.58 | 62.33 1.00 -53.32 | 74.45 1.21 -63.54 | 72.08 1.35 -59.97 | 90.96 1.51 -76.71 | 90.96 1.65 -75.29 | 78.27 1.75 -62.08 | 60.58 0.88 -52.42 | 57.72 0.25 -55.34 |
| PORT_JEFF_4 23616 | 90.45 0.25 -88.07 | 75.01 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.15 -85.16 | 92.09 0.66 -86.42 | 93.74 2.54 -71.69 | 92.23 1.34 -80.81 | 92.20 1.30 -81.12 | 72.07 0.80 -64.75 | 72.07 0.88 -64.12 | 62.31 0.95 -53.75 | 61.58 0.67 -55.68 | 60.12 1.02 -51.15 | 60.59 1.02 -51.58 | 62.33 1.00 -53.32 | 74.45 1.21 -63.54 | 72.08 1.35 -59.97 | 90.96 1.51 -76.71 | 90.96 1.65 -75.29 | 78.27 1.75 -62.08 | 60.58 0.88 -52.42 | 57.72 0.25 -55.34 |
| PORT_JEFF_IC 23713 | 90.46 0.26 -88.07 | 75.01 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.24 -67.29 | 75.01 0.23 -72.67 | 86.57 0.15 -85.16 | 92.10 0.67 -86.42 | 93.76 2.56 -71.69 | 92.24 1.35 -80.81 | 92.21 1.31 -81.12 | 72.08 0.81 -64.75 | 72.08 0.89 -64.12 | 62.32 0.96 -53.75 | 61.58 0.67 -55.68 | 60.12 1.02 -51.15 | 60.60 1.02 -51.58 | 62.34 1.01 -53.32 | 74.46 1.22 -63.54 | 72.08 1.35 -59.97 | 90.91 1.46 -76.71 | 90.90 1.60 -75.29 | 78.28 1.76 -62.08 | 60.58 0.88 -52.42 | 57.72 0.26 -55.34 |
| PPL PILGRIM_ST_GT1 24216 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.10 0.67 -86.42 | 93.74 2.54 -71.69 | 92.24 1.35 -80.81 | 92.21 1.31 -81.12 | 72.12 0.85 -64.75 | 72.13 0.94 -64.12 | 62.37 1.01 -53.75 | 61.62 0.71 -55.68 | 60.17 1.07 -51.15 | 60.66 1.08 -51.58 | 62.39 1.06 -53.32 | 74.52 1.28 -63.54 | 72.11 1.39 -59.97 | 91.05 1.60 -76.71 | 91.06 1.75 -75.29 | 78.31 1.79 -62.08 | 60.63 0.93 -52.42 | 57.73 0.27 -55.34 |
| PPL PILGRIM_ST_GT2 24217 | 90.46 0.26 -88.07 | 75.02 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.10 0.67 -86.42 | 93.74 2.54 -71.69 | 92.24 1.35 -80.81 | 92.21 1.31 -81.12 | 72.12 0.85 -64.75 | 72.13 0.94 -64.12 | 62.37 1.01 -53.75 | 61.62 0.71 -55.68 | 60.17 1.07 -51.15 | 60.66 1.08 -51.58 | 62.39 1.06 -53.32 | 74.52 1.28 -63.54 | 72.11 1.39 -59.97 | 91.05 1.60 -76.71 | 91.06 1.75 -75.29 | 78.31 1.79 -62.08 | 60.63 0.93 -52.42 | 57.73 0.27 -55.34 |
| PPL_SHRM_GT3 24213 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.66 2.46 -71.69 | 92.19 1.30 -80.81 | 92.04 1.14 -81.12 | 71.91 0.64 -64.75 | 71.89 0.71 -64.12 | 62.11 0.75 -53.75 | 61.51 0.59 -55.68 | 60.00 0.90 -51.15 | 60.47 0.90 -51.58 | 62.22 0.89 -53.32 | 74.31 1.08 -63.54 | 71.93 1.20 -59.97 | 90.84 1.39 -76.71 | 90.82 1.51 -75.29 | 78.08 1.56 -62.08 | 60.47 0.77 -52.42 | 57.70 0.23 -55.34 |
| PPL_SHRM_GT4 24214 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.66 2.46 -71.69 | 92.19 1.30 -80.81 | 92.04 1.14 -81.12 | 71.91 0.64 -64.75 | 71.89 0.71 -64.12 | 62.11 0.75 -53.75 | 61.51 0.59 -55.68 | 60.00 0.90 -51.15 | 60.47 0.90 -51.58 | 62.22 0.89 -53.32 | 74.31 1.08 -63.54 | 71.93 1.20 -59.97 | 90.84 1.39 -76.71 | 90.82 1.51 -75.29 | 78.08 1.56 -62.08 | 60.47 0.77 -52.42 | 57.70 0.23 -55.34 |
| PROJECT___ORANGE 1 24174 | 6.68 0.02 -4.53 | 6.12 0.01 -3.99 | 6.37 0.01 -4.24 | 6.39 0.01 -4.26 | 6.32 0.01 -4.21 | 5.86 0.01 -4.59 | 10.17 0.09 -5.07 | 24.15 0.27 -4.37 | 14.73 0.10 -4.55 | 13.07 0.11 -3.18 | 11.07 0.08 -4.46 | 11.29 0.09 -4.14 | 11.49 0.11 -3.77 | 9.24 0.08 -3.93 | 11.70 0.13 -3.63 | 11.74 0.12 -3.62 | 11.86 0.13 -3.72 | 13.94 0.13 -4.12 | 15.72 0.15 -4.82 | 17.98 0.15 -5.09 | 18.62 0.15 -4.45 | 16.27 0.19 -1.64 | 11.35 0.07 -4.00 | 6.54 0.03 -4.38 |
| PROJECT___ORANGE 2 24166 | 6.68 0.02 -4.53 | 6.12 0.01 -3.99 | 6.37 0.01 -4.24 | 6.39 0.01 -4.26 | 6.32 0.01 -4.21 | 5.86 0.01 -4.59 | 10.17 0.09 -5.07 | 24.15 0.27 -4.37 | 14.73 0.10 -4.55 | 13.07 0.11 -3.18 | 11.07 0.08 -4.46 | 11.29 0.09 -4.14 | 11.49 0.11 -3.77 | 9.24 0.08 -3.93 | 11.70 0.13 -3.63 | 11.74 0.12 -3.62 | 11.86 0.13 -3.72 | 13.94 0.13 -4.12 | 15.72 0.15 -4.82 | 17.98 0.15 -5.09 | 18.62 0.15 -4.45 | 16.27 0.19 -1.64 | 11.35 0.07 -4.00 | 6.54 0.03 -4.38 |
| PYRITES___HYD 24023 | 2.04 -0.08 0.00 | 1.86 -0.07 0.19 | 2.01 -0.07 0.04 | 2.04 -0.07 0.00 | 1.98 -0.07 0.05 | 1.18 -0.05 0.02 | 4.75 -0.26 0.00 | 18.42 -1.09 0.00 | 8.84 -0.52 0.72 | 8.04 -0.56 1.19 | 6.13 -0.39 0.00 | 6.62 -0.44 0.00 | 7.07 -0.53 0.00 | 4.87 -0.36 0.00 | 7.36 -0.59 0.00 | 7.39 -0.61 0.00 | 7.43 -0.58 0.00 | 9.05 -0.65 0.00 | 10.01 -0.74 0.00 | 12.19 -0.55 0.00 | 13.47 -0.55 0.00 | 13.75 -0.69 0.00 | 6.94 -0.33 0.00 | 2.02 -0.11 0.00 |

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|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| RAMAPO____LBMP 323565 | 49.53 0.16 -47.24 | 46.47 0.15 -44.20 | 47.05 0.15 -44.78 | 46.77 0.14 -44.51 | 46.89 0.13 -44.64 | 49.56 0.09 -48.22 | 58.34 0.42 -52.91 | 66.73 1.60 -45.62 | 67.96 0.87 -57.02 | 59.63 0.85 -49.00 | 53.70 0.58 -46.60 | 50.89 0.63 -43.20 | 47.67 0.68 -39.38 | 46.78 0.48 -41.07 | 46.53 0.72 -37.86 | 46.53 0.73 -37.80 | 47.10 0.71 -38.38 | 53.00 0.86 -42.44 | 61.37 0.97 -49.65 | 66.35 1.13 -52.48 | 61.11 1.23 -45.86 | 46.55 1.24 -30.87 | 49.07 0.59 -41.20 | 47.51 0.16 -45.21 |
| RANKINE____ 23646 | 11.57 0.14 -9.30 | 10.85 0.10 -8.63 | 11.01 0.09 -8.80 | 10.99 0.11 -8.76 | 10.94 0.07 -8.77 | 10.80 0.07 -9.48 | 15.82 0.40 -10.42 | 28.82 0.33 -8.98 | 21.14 0.10 -10.96 | 19.20 0.21 -9.21 | 15.87 0.18 -9.17 | 15.81 0.25 -8.50 | 15.71 0.35 -7.75 | 13.57 0.25 -8.09 | 15.71 0.31 -7.45 | 15.72 0.28 -7.44 | 15.82 0.24 -7.57 | 18.23 0.16 -8.37 | 20.78 0.25 -9.79 | 23.18 0.10 -10.34 | 23.13 0.07 -9.04 | 20.69 0.51 -5.74 | 15.75 0.36 -8.12 | 11.21 0.16 -8.91 |
| RAVENSWOOD_GT2_1 24244 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.09 | 54.74 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.01 -43.32 | 62.56 1.12 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD_GT2_2 24245 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.09 | 54.74 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.01 -43.32 | 62.56 1.12 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD_GT2_3 24246 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.92 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.09 | 54.75 0.67 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.01 -43.32 | 62.57 1.13 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.45 1.44 -31.56 | 50.02 0.68 -42.06 | 48.48 0.19 -46.15 |
| RAVENSWOOD_GT2_4 24247 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.92 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.09 | 54.75 0.67 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.01 -43.32 | 62.57 1.13 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.45 1.44 -31.56 | 50.02 0.68 -42.06 | 48.48 0.19 -46.15 |
| RAVENSWOOD_GT3_1 24248 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.09 | 54.74 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.01 -43.32 | 62.57 1.13 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD_GT3_2 24249 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.09 | 54.74 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.01 -43.32 | 62.57 1.13 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD_GT3_3 24250 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.72 0.16 -45.44 | 47.84 0.16 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.94 1.85 -46.57 | 69.32 1.00 -58.24 | 60.85 0.99 -50.09 | 54.76 0.67 -47.57 | 51.90 0.74 -44.10 | 48.61 0.81 -40.20 | 47.73 0.57 -41.93 | 47.46 0.86 -38.65 | 47.46 0.86 -38.59 | 48.03 0.83 -39.18 | 54.04 1.02 -43.32 | 62.58 1.14 -50.69 | 67.64 1.32 -53.58 | 62.28 1.44 -46.81 | 47.46 1.46 -31.56 | 50.02 0.68 -42.06 | 48.48 0.19 -46.15 |
| RAVENSWOOD_GT3_4 24251 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.72 0.16 -45.44 | 47.84 0.16 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.94 1.85 -46.57 | 69.32 1.00 -58.24 | 60.85 0.99 -50.09 | 54.76 0.67 -47.57 | 51.90 0.74 -44.10 | 48.61 0.81 -40.20 | 47.73 0.57 -41.93 | 47.46 0.86 -38.65 | 47.46 0.86 -38.59 | 48.03 0.83 -39.18 | 54.04 1.02 -43.32 | 62.58 1.14 -50.69 | 67.64 1.32 -53.58 | 62.28 1.44 -46.81 | 47.46 1.46 -31.56 | 50.02 0.68 -42.06 | 48.48 0.19 -46.15 |
| RAVENSWOOD_GT_1 23729 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.10 | 48.65 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.06 0.87 -39.19 | 54.09 1.07 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.49 0.20 -46.16 |
| RAVENSWOOD_GT_10 24258 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.83 0.97 -50.09 | 54.75 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.21 | 47.72 0.55 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.01 0.82 -39.18 | 54.03 1.01 -43.32 | 62.56 1.12 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD_GT_11 24259 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.83 0.97 -50.09 | 54.75 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.21 | 47.72 0.55 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.01 0.82 -39.18 | 54.03 1.01 -43.32 | 62.56 1.12 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD_GT_4 24252 | 50.54 0.18 -48.23 | 47.42 0.17 -45.14 | 48.01 0.17 -45.72 | 47.72 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.49 0.47 -54.01 | 67.90 1.81 -46.57 | 69.30 0.98 -58.24 | 60.83 0.96 -50.09 | 54.74 0.65 -47.57 | 51.89 0.72 -44.10 | 48.60 0.79 -40.21 | 47.71 0.55 -41.93 | 47.44 0.84 -38.65 | 47.44 0.85 -38.60 | 48.01 0.81 -39.19 | 54.02 1.00 -43.33 | 62.55 1.11 -50.69 | 67.61 1.30 -53.58 | 62.25 1.42 -46.81 | 47.42 1.42 -31.56 | 50.01 0.67 -42.06 | 48.48 0.19 -46.16 |
| RAVENSWOOD_GT_5 24254 | 50.54 0.18 -48.23 | 47.42 0.17 -45.14 | 48.01 0.17 -45.72 | 47.72 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.49 0.47 -54.01 | 67.90 1.81 -46.57 | 69.30 0.98 -58.24 | 60.83 0.96 -50.09 | 54.74 0.65 -47.57 | 51.89 0.72 -44.10 | 48.60 0.79 -40.21 | 47.71 0.55 -41.93 | 47.44 0.84 -38.65 | 47.44 0.85 -38.60 | 48.01 0.81 -39.19 | 54.02 1.00 -43.33 | 62.55 1.11 -50.69 | 67.61 1.30 -53.58 | 62.25 1.42 -46.81 | 47.42 1.42 -31.56 | 50.01 0.67 -42.06 | 48.48 0.19 -46.16 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| RAVENSWOOD_GT_6 24253 | 50.54 0.18 -48.23 | 47.42 0.17 -45.14 | 48.01 0.17 -45.72 | 47.72 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.49 0.47 -54.01 | 67.90 1.81 -46.57 | 69.30 0.98 -58.24 | 60.83 0.96 -50.09 | 54.74 0.65 -47.57 | 51.89 0.72 -44.10 | 48.60 0.79 -40.21 | 47.71 0.55 -41.93 | 47.44 0.84 -38.65 | 47.44 0.85 -38.60 | 48.01 0.81 -39.19 | 54.02 1.00 -43.33 | 62.55 1.11 -50.69 | 67.61 1.30 -53.58 | 62.25 1.42 -46.81 | 47.42 1.42 -31.56 | 50.01 0.67 -42.06 | 48.48 0.19 -46.16 |
| RAVENSWOOD_GT_7 24255 | 50.54 0.18 -48.23 | 47.42 0.17 -45.14 | 48.01 0.17 -45.72 | 47.72 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.49 0.47 -54.01 | 67.90 1.81 -46.57 | 69.30 0.98 -58.24 | 60.83 0.96 -50.09 | 54.74 0.65 -47.57 | 51.89 0.72 -44.10 | 48.60 0.79 -40.21 | 47.71 0.55 -41.93 | 47.44 0.84 -38.65 | 47.44 0.85 -38.60 | 48.01 0.81 -39.19 | 54.02 1.00 -43.33 | 62.55 1.11 -50.69 | 67.61 1.30 -53.58 | 62.25 1.42 -46.81 | 47.42 1.42 -31.56 | 50.01 0.67 -42.06 | 48.48 0.19 -46.16 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.83 0.97 -50.09 | 54.75 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.21 | 47.72 0.55 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.01 0.82 -39.18 | 54.03 1.01 -43.32 | 62.56 1.12 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD_GT_9 24257 | 50.54 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.90 1.81 -46.57 | 69.31 0.99 -58.24 | 60.83 0.97 -50.09 | 54.75 0.66 -47.57 | 51.89 0.73 -44.10 | 48.61 0.80 -40.21 | 47.72 0.55 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.01 0.82 -39.18 | 54.03 1.01 -43.32 | 62.56 1.12 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD___1 23533 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.16 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.65 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.08 1.06 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.49 0.20 -46.16 |
| RAVENSWOOD___2 23534 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.16 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.65 0.84 -40.21 | 47.75 0.59 -41.94 | 47.50 0.90 -38.65 | 47.50 0.90 -38.60 | 48.07 0.87 -39.19 | 54.08 1.06 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.49 0.20 -46.16 |
| RAVENSWOOD___3 23535 | 50.53 0.18 -48.23 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.44 | 47.84 0.15 -45.58 | 50.58 0.10 -49.23 | 59.50 0.48 -54.01 | 67.92 1.83 -46.57 | 69.31 0.99 -58.24 | 60.84 0.98 -50.09 | 54.75 0.67 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.20 | 47.72 0.56 -41.93 | 47.45 0.85 -38.65 | 47.45 0.86 -38.59 | 48.02 0.83 -39.18 | 54.03 1.01 -43.32 | 62.57 1.13 -50.69 | 67.63 1.31 -53.58 | 62.26 1.43 -46.81 | 47.43 1.43 -31.56 | 50.01 0.68 -42.06 | 48.47 0.19 -46.15 |
| RAVENSWOOD___4 23820 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.16 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.65 0.84 -40.21 | 47.75 0.59 -41.94 | 47.49 0.89 -38.65 | 47.49 0.90 -38.60 | 48.07 0.87 -39.19 | 54.08 1.06 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| RCPL_TRUST___DRP 24196 | 50.53 0.18 -48.22 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.57 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.93 1.85 -46.57 | 69.32 1.01 -58.24 | 60.85 0.99 -50.08 | 54.75 0.67 -47.56 | 51.90 0.74 -44.09 | 48.62 0.81 -40.20 | 47.73 0.57 -41.93 | 47.46 0.87 -38.64 | 47.46 0.87 -38.59 | 48.02 0.83 -39.18 | 54.04 1.03 -43.32 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| RED___ROCHESTER 323720 | 8.55 0.09 -6.33 | 8.04 0.07 -5.85 | 8.17 0.06 -5.99 | 8.15 0.07 -5.96 | 8.12 0.05 -5.96 | 7.75 0.05 -6.45 | 12.37 0.27 -7.09 | 26.23 0.61 -6.11 | 17.67 0.22 -7.37 | 16.19 0.28 -6.13 | 12.99 0.23 -6.24 | 13.11 0.26 -5.79 | 13.22 0.33 -5.28 | 10.96 0.22 -5.50 | 13.33 0.31 -5.07 | 13.36 0.30 -5.07 | 13.45 0.28 -5.16 | 15.66 0.26 -5.70 | 17.71 0.29 -6.67 | 20.07 0.28 -7.05 | 20.46 0.28 -6.16 | 18.70 0.45 -3.81 | 13.04 0.23 -5.53 | 8.29 0.09 -6.07 |
| RENSSELAER___COGEN 23796 | 63.27 0.15 -61.00 | 62.08 0.15 -59.81 | 60.63 0.15 -58.37 | 59.73 0.15 -57.46 | 60.61 0.14 -58.36 | 63.89 0.09 -62.55 | 73.70 0.37 -68.32 | 79.73 1.31 -58.91 | 94.57 0.69 -83.81 | 90.60 0.68 -80.14 | 67.15 0.46 -60.17 | 63.34 0.50 -55.78 | 59.01 0.55 -50.85 | 58.64 0.37 -53.04 | 57.40 0.56 -48.88 | 57.37 0.57 -48.81 | 58.15 0.57 -49.57 | 65.17 0.66 -54.81 | 75.62 0.74 -64.13 | 81.38 0.85 -67.79 | 74.19 0.94 -59.23 | 70.14 1.00 -54.70 | 61.00 0.51 -53.22 | 60.66 0.14 -58.39 |
| REVERE_CPPR_DRP 24186 | 3.99 0.08 -1.78 | 3.43 0.07 -1.24 | 3.78 0.07 -1.60 | 3.86 0.07 -1.67 | 3.74 0.06 -1.57 | 3.07 0.05 -1.77 | 7.27 0.28 -1.99 | 22.34 1.11 -1.72 | 11.19 0.53 -0.58 | 9.51 0.49 0.75 | 8.61 0.34 -1.75 | 9.05 0.37 -1.63 | 9.47 0.38 -1.48 | 7.02 0.25 -1.55 | 9.72 0.34 -1.42 | 9.74 0.32 -1.42 | 9.98 0.32 -1.65 | 11.92 0.40 -1.83 | 13.44 0.51 -2.18 | 15.63 0.59 -2.31 | 16.71 0.67 -2.02 | 14.76 0.63 0.32 | 9.35 0.26 -1.81 | 4.19 0.08 -1.99 |
| RIVERBAY____ 323610 | 50.59 0.22 -48.24 | 47.48 0.22 -45.14 | 48.05 0.21 -45.73 | 47.76 0.20 -45.44 | 47.89 0.19 -45.59 | 50.61 0.12 -49.23 | 59.56 0.55 -54.01 | 68.14 2.07 -46.56 | 69.42 1.11 -58.23 | 60.96 1.10 -50.08 | 54.83 0.75 -47.56 | 51.99 0.83 -44.09 | 48.70 0.90 -40.20 | 47.78 0.63 -41.92 | 47.55 0.96 -38.64 | 47.55 0.97 -38.58 | 48.11 0.93 -39.17 | 54.16 1.15 -43.31 | 62.71 1.28 -50.68 | 67.78 1.48 -53.57 | 62.45 1.63 -46.81 | 47.61 1.62 -31.55 | 50.11 0.77 -42.06 | 48.52 0.23 -46.16 |
| ROARING___BROOK_WT_PWR 323790 | -0.03 -0.07 2.09 | -0.79 -0.07 2.85 | -0.11 -0.07 2.16 | 0.09 -0.07 1.96 | -0.16 -0.07 2.20 | -1.00 -0.03 2.22 | 2.50 -0.17 2.33 | 16.87 -0.63 2.01 | 3.93 -0.31 5.84 | 1.80 -0.31 7.66 | 4.26 -0.21 2.06 | 4.93 -0.23 1.91 | 5.62 -0.25 1.74 | 3.25 -0.17 1.81 | 6.03 -0.25 1.67 | 6.08 -0.26 1.67 | 6.19 -0.26 1.56 | 7.68 -0.29 1.72 | 8.45 -0.29 2.02 | 10.31 -0.29 2.13 | 11.83 -0.32 1.86 | 8.42 -0.36 5.66 | 5.43 -0.17 1.67 | 0.24 -0.06 1.84 |
| ROCHESTER_9_IC 23652 | 8.54 0.08 -6.33 | 8.03 0.06 -5.85 | 8.16 0.05 -5.99 | 8.15 0.06 -5.96 | 8.12 0.05 -5.96 | 7.75 0.04 -6.45 | 12.34 0.25 -7.09 | 26.11 0.49 -6.11 | 17.62 0.17 -7.37 | 16.14 0.23 -6.13 | 12.95 0.19 -6.24 | 13.07 0.22 -5.79 | 13.17 0.29 -5.28 | 10.93 0.20 -5.50 | 13.29 0.27 -5.07 | 13.32 0.26 -5.07 | 13.40 0.23 -5.16 | 15.61 0.21 -5.70 | 17.66 0.24 -6.67 | 19.99 0.20 -7.05 | 20.39 0.21 -6.16 | 18.61 0.36 -3.81 | 13.00 0.19 -5.53 | 8.28 0.08 -6.07 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ROSETON___1 23587 | 50.50 0.15 -48.22 | 47.35 0.14 -45.10 | 47.97 0.14 -45.71 | 47.68 0.13 -45.43 | 47.80 0.13 -45.57 | 50.56 0.09 -49.22 | 59.40 0.39 -54.01 | 67.52 1.44 -46.56 | 68.97 0.79 -58.11 | 60.42 0.77 -49.87 | 54.61 0.53 -47.56 | 51.73 0.58 -44.09 | 48.43 0.63 -40.20 | 47.59 0.44 -41.92 | 47.26 0.67 -38.64 | 47.26 0.67 -38.59 | 47.83 0.65 -39.18 | 53.80 0.79 -43.31 | 62.31 0.88 -50.68 | 67.34 1.03 -53.57 | 61.95 1.12 -46.81 | 46.96 1.14 -31.37 | 49.88 0.55 -42.05 | 48.43 0.15 -46.14 |
| ROSETON___2 23588 | 50.50 0.15 -48.22 | 47.35 0.14 -45.10 | 47.97 0.14 -45.71 | 47.68 0.13 -45.43 | 47.80 0.13 -45.57 | 50.56 0.09 -49.22 | 59.40 0.39 -54.01 | 67.52 1.44 -46.56 | 68.97 0.79 -58.11 | 60.42 0.77 -49.87 | 54.61 0.53 -47.56 | 51.73 0.58 -44.09 | 48.43 0.63 -40.20 | 47.59 0.44 -41.92 | 47.26 0.67 -38.64 | 47.26 0.67 -38.59 | 47.83 0.65 -39.18 | 53.80 0.79 -43.31 | 62.31 0.88 -50.68 | 67.34 1.03 -53.57 | 61.95 1.12 -46.81 | 46.96 1.14 -31.37 | 49.88 0.55 -42.05 | 48.43 0.15 -46.14 |
| RUSSELL___1 23602 | 8.55 0.09 -6.33 | 8.04 0.07 -5.85 | 8.17 0.06 -5.99 | 8.15 0.07 -5.96 | 8.12 0.05 -5.96 | 7.75 0.05 -6.45 | 12.37 0.27 -7.09 | 26.23 0.61 -6.11 | 17.67 0.22 -7.37 | 16.19 0.28 -6.13 | 12.99 0.23 -6.24 | 13.11 0.26 -5.79 | 13.22 0.33 -5.28 | 10.96 0.22 -5.50 | 13.33 0.31 -5.07 | 13.36 0.30 -5.07 | 13.45 0.28 -5.16 | 15.66 0.26 -5.70 | 17.71 0.29 -6.67 | 20.07 0.28 -7.05 | 20.46 0.28 -6.16 | 18.70 0.45 -3.81 | 13.04 0.23 -5.53 | 8.29 0.09 -6.07 |
| RUSSELL___2 23532 | 8.55 0.09 -6.33 | 8.04 0.07 -5.85 | 8.17 0.06 -5.99 | 8.15 0.07 -5.96 | 8.12 0.05 -5.96 | 7.75 0.05 -6.45 | 12.37 0.27 -7.09 | 26.23 0.61 -6.11 | 17.67 0.22 -7.37 | 16.19 0.28 -6.13 | 12.99 0.23 -6.24 | 13.11 0.26 -5.79 | 13.22 0.33 -5.28 | 10.96 0.22 -5.50 | 13.33 0.31 -5.07 | 13.36 0.30 -5.07 | 13.45 0.28 -5.16 | 15.66 0.26 -5.70 | 17.71 0.29 -6.67 | 20.07 0.28 -7.05 | 20.46 0.28 -6.16 | 18.70 0.45 -3.81 | 13.04 0.23 -5.53 | 8.29 0.09 -6.07 |
| RUSSELL___3 23549 | 8.55 0.09 -6.33 | 8.04 0.07 -5.85 | 8.17 0.06 -5.99 | 8.15 0.07 -5.96 | 8.12 0.05 -5.96 | 7.75 0.05 -6.45 | 12.37 0.27 -7.09 | 26.23 0.61 -6.11 | 17.67 0.22 -7.37 | 16.19 0.28 -6.13 | 12.99 0.23 -6.24 | 13.11 0.26 -5.79 | 13.22 0.33 -5.28 | 10.96 0.22 -5.50 | 13.33 0.31 -5.07 | 13.36 0.30 -5.07 | 13.45 0.28 -5.16 | 15.66 0.26 -5.70 | 17.71 0.29 -6.67 | 20.07 0.28 -7.05 | 20.46 0.28 -6.16 | 18.70 0.45 -3.81 | 13.04 0.23 -5.53 | 8.29 0.09 -6.07 |
| RUSSELL___4 23556 | 8.55 0.09 -6.33 | 8.04 0.07 -5.85 | 8.17 0.06 -5.99 | 8.15 0.07 -5.96 | 8.12 0.05 -5.96 | 7.75 0.05 -6.45 | 12.37 0.27 -7.09 | 26.23 0.61 -6.11 | 17.67 0.22 -7.37 | 16.19 0.28 -6.13 | 12.99 0.23 -6.24 | 13.11 0.26 -5.79 | 13.22 0.33 -5.28 | 10.96 0.22 -5.50 | 13.33 0.31 -5.07 | 13.36 0.30 -5.07 | 13.45 0.28 -5.16 | 15.66 0.26 -5.70 | 17.71 0.29 -6.67 | 20.07 0.28 -7.05 | 20.46 0.28 -6.16 | 18.70 0.45 -3.81 | 13.04 0.23 -5.53 | 8.29 0.09 -6.07 |
| RUSSELL___STATION 23914 | 8.55 0.09 -6.33 | 8.04 0.07 -5.85 | 8.17 0.06 -5.99 | 8.15 0.07 -5.96 | 8.12 0.05 -5.96 | 7.75 0.05 -6.45 | 12.37 0.27 -7.09 | 26.23 0.61 -6.11 | 17.67 0.22 -7.37 | 16.19 0.28 -6.13 | 12.99 0.23 -6.24 | 13.11 0.26 -5.79 | 13.22 0.33 -5.28 | 10.96 0.22 -5.50 | 13.33 0.31 -5.07 | 13.36 0.30 -5.07 | 13.45 0.28 -5.16 | 15.66 0.26 -5.70 | 17.71 0.29 -6.67 | 20.07 0.28 -7.05 | 20.46 0.28 -6.16 | 18.70 0.45 -3.81 | 13.04 0.23 -5.53 | 8.29 0.09 -6.07 |
| S SALMON___HYD 24043 | 5.98 0.02 -3.83 | 5.51 0.01 -3.38 | 5.72 0.01 -3.59 | 5.74 0.01 -3.61 | 5.68 0.00 -3.57 | 5.15 0.01 -3.89 | 9.42 0.12 -4.29 | 23.64 0.43 -3.70 | 14.10 0.17 -3.85 | 12.62 0.15 -2.70 | 10.39 0.09 -3.78 | 10.65 0.08 -3.51 | 10.88 0.08 -3.20 | 8.63 0.06 -3.33 | 11.12 0.10 -3.07 | 11.16 0.09 -3.07 | 11.30 0.11 -3.17 | 13.35 0.15 -3.51 | 15.02 0.21 -4.06 | 17.27 0.24 -4.29 | 18.03 0.27 -3.75 | 16.07 0.25 -1.38 | 10.71 0.07 -3.37 | 5.84 0.02 -3.69 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 11.26 0.13 -9.01 | 10.56 0.08 -8.36 | 10.72 0.07 -8.53 | 10.70 0.09 -8.49 | 10.65 0.05 -8.50 | 10.50 0.06 -9.19 | 15.44 0.34 -10.09 | 28.33 0.12 -8.70 | 20.68 -0.01 -10.61 | 18.80 0.12 -8.91 | 15.52 0.11 -8.89 | 15.48 0.18 -8.24 | 15.40 0.29 -7.51 | 13.27 0.21 -7.83 | 15.41 0.24 -7.22 | 15.42 0.21 -7.21 | 15.50 0.16 -7.33 | 17.86 0.06 -8.11 | 20.36 0.13 -9.48 | 22.70 -0.06 -10.02 | 22.66 -0.11 -8.76 | 20.33 0.33 -5.56 | 15.43 0.28 -7.87 | 10.91 0.14 -8.63 |
| SELKIRK___I 23801 | 58.62 0.15 -56.34 | 56.84 0.14 -54.58 | 56.04 0.14 -53.78 | 55.33 0.14 -53.08 | 55.97 0.14 -53.73 | 59.04 0.09 -57.70 | 68.45 0.35 -63.10 | 75.15 1.23 -54.41 | 85.65 0.64 -74.93 | 80.34 0.64 -69.93 | 62.51 0.42 -55.57 | 59.03 0.45 -51.52 | 55.06 0.49 -46.97 | 54.55 0.34 -48.98 | 53.61 0.51 -45.15 | 53.59 0.51 -45.08 | 54.29 0.50 -45.78 | 60.91 0.60 -50.61 | 70.64 0.67 -59.22 | 76.10 0.76 -62.60 | 69.55 0.84 -54.70 | 62.26 0.90 -46.92 | 56.88 0.47 -49.14 | 56.19 0.13 -53.92 |
| SELKIRK___II 23799 | 62.10 0.14 -59.84 | 60.85 0.13 -58.60 | 59.50 0.13 -57.25 | 58.62 0.13 -56.37 | 59.47 0.13 -57.23 | 62.69 0.08 -61.35 | 72.36 0.33 -67.02 | 78.49 1.19 -57.79 | 92.65 0.64 -81.94 | 88.56 0.63 -78.16 | 65.97 0.42 -59.02 | 62.24 0.45 -54.72 | 57.99 0.49 -49.89 | 57.60 0.34 -52.03 | 56.42 0.52 -47.95 | 56.39 0.51 -47.88 | 57.15 0.51 -48.63 | 64.07 0.61 -53.77 | 74.35 0.69 -62.91 | 80.02 0.79 -66.50 | 72.99 0.87 -58.10 | 68.61 0.91 -53.26 | 59.94 0.46 -52.20 | 59.54 0.13 -57.28 |
| SENECA OSWGO___HYD 24041 | 6.64 0.05 -4.46 | 6.09 0.04 -3.93 | 6.33 0.04 -4.18 | 6.36 0.04 -4.20 | 6.29 0.03 -4.15 | 5.80 0.03 -4.53 | 10.18 0.18 -5.00 | 24.46 0.64 -4.31 | 14.83 0.27 -4.48 | 13.19 0.27 -3.14 | 11.10 0.18 -4.40 | 11.33 0.19 -4.08 | 11.53 0.21 -3.72 | 9.26 0.15 -3.88 | 11.77 0.25 -3.57 | 11.81 0.24 -3.57 | 11.93 0.26 -3.66 | 14.04 0.29 -4.05 | 15.83 0.35 -4.72 | 18.12 0.40 -4.99 | 18.80 0.42 -4.36 | 16.50 0.45 -1.61 | 11.36 0.17 -3.92 | 6.49 0.05 -4.30 |
| SENECA___ENERGY 23797 | 8.90 0.05 -6.72 | 8.35 0.03 -6.20 | 8.50 0.03 -6.35 | 8.49 0.04 -6.33 | 8.46 0.03 -6.33 | 8.13 0.03 -6.85 | 12.73 0.19 -7.53 | 26.49 0.49 -6.49 | 18.05 0.18 -7.79 | 16.40 0.19 -6.44 | 13.25 0.10 -6.63 | 13.33 0.12 -6.15 | 13.35 0.14 -5.60 | 11.17 0.10 -5.84 | 13.46 0.13 -5.39 | 13.50 0.12 -5.38 | 13.64 0.14 -5.48 | 15.91 0.15 -6.06 | 18.06 0.21 -7.09 | 20.46 0.23 -7.49 | 20.79 0.22 -6.55 | 18.76 0.30 -4.01 | 13.29 0.13 -5.88 | 8.64 0.05 -6.46 |
| SHOEMAKER___GT 23640 | 48.26 0.15 -45.99 | 45.27 0.14 -43.02 | 45.85 0.14 -43.59 | 45.58 0.13 -43.32 | 45.69 0.13 -43.46 | 48.28 0.09 -46.94 | 56.86 0.39 -51.46 | 65.34 1.46 -44.37 | 66.28 0.79 -55.42 | 58.14 0.76 -47.60 | 52.36 0.52 -45.32 | 49.63 0.55 -42.01 | 46.51 0.60 -38.30 | 45.60 0.42 -39.95 | 45.41 0.64 -36.82 | 45.44 0.64 -36.80 | 45.96 0.62 -37.33 | 51.73 0.76 -41.27 | 59.89 0.85 -48.29 | 64.77 0.99 -51.05 | 59.68 1.06 -44.60 | 45.48 1.08 -29.95 | 47.87 0.52 -40.07 | 46.25 0.14 -43.97 |
| SHOREHAM_IC_1 23715 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.66 2.46 -71.69 | 92.19 1.30 -80.81 | 92.04 1.14 -81.12 | 71.91 0.64 -64.75 | 71.89 0.71 -64.12 | 62.11 0.75 -53.75 | 61.51 0.59 -55.68 | 60.00 0.90 -51.15 | 60.47 0.90 -51.58 | 62.22 0.89 -53.32 | 74.31 1.08 -63.54 | 71.93 1.20 -59.97 | 90.84 1.39 -76.71 | 90.82 1.51 -75.29 | 78.08 1.56 -62.08 | 60.47 0.77 -52.42 | 57.70 0.23 -55.34 |

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|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| SHOREHAM_IC_2 23716 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.07 0.64 -86.42 | 93.66 2.46 -71.69 | 92.19 1.30 -80.81 | 92.04 1.14 -81.12 | 71.91 0.64 -64.75 | 71.89 0.71 -64.12 | 62.11 0.75 -53.75 | 61.51 0.59 -55.68 | 60.00 0.90 -51.15 | 60.47 0.90 -51.58 | 62.22 0.89 -53.32 | 74.31 1.08 -63.54 | 71.93 1.20 -59.97 | 90.84 1.39 -76.71 | 90.82 1.51 -75.29 | 78.08 1.56 -62.08 | 60.47 0.77 -52.42 | 57.70 0.23 -55.34 |
| SISSONVILLE____ 23735 | 1.99 -0.13 0.00 | 1.81 -0.12 0.19 | 1.96 -0.12 0.04 | 2.00 -0.12 0.00 | 1.94 -0.12 0.05 | 1.15 -0.08 0.02 | 4.62 -0.39 0.00 | 18.22 -1.29 0.00 | 8.75 -0.62 0.71 | 7.95 -0.65 1.18 | 6.06 -0.46 0.00 | 6.55 -0.51 0.00 | 7.01 -0.59 0.00 | 4.82 -0.41 0.00 | 7.31 -0.64 0.00 | 7.35 -0.65 0.00 | 7.38 -0.63 0.00 | 8.99 -0.71 0.00 | 9.94 -0.81 0.00 | 11.91 -0.83 0.00 | 13.16 -0.86 0.00 | 13.43 -1.01 0.00 | 6.79 -0.49 0.00 | 1.98 -0.16 0.00 |
| SITHE_IND_GS1 24169 | 5.55 -0.02 -3.45 | 5.13 -0.03 -3.04 | 5.32 -0.03 -3.23 | 5.34 -0.03 -3.25 | 5.28 -0.03 -3.21 | 4.74 -0.01 -3.50 | 8.84 -0.03 -3.86 | 22.64 -0.20 -3.33 | 13.41 -0.13 -3.46 | 12.08 -0.12 -2.42 | 9.85 -0.07 -3.40 | 10.14 -0.08 -3.15 | 10.41 -0.07 -2.87 | 8.18 -0.05 -3.00 | 10.65 -0.06 -2.76 | 10.69 -0.06 -2.76 | 10.76 -0.06 -2.81 | 12.71 -0.10 -3.11 | 14.29 -0.10 -3.64 | 16.44 -0.14 -3.84 | 17.22 -0.15 -3.36 | 15.54 -0.14 -1.24 | 10.21 -0.09 -3.02 | 5.42 -0.02 -3.31 |
| SITHE_IND_GS2 24170 | 5.55 -0.02 -3.45 | 5.13 -0.03 -3.04 | 5.32 -0.03 -3.23 | 5.34 -0.03 -3.25 | 5.28 -0.03 -3.21 | 4.74 -0.01 -3.50 | 8.84 -0.03 -3.86 | 22.64 -0.20 -3.33 | 13.41 -0.13 -3.46 | 12.08 -0.12 -2.42 | 9.85 -0.07 -3.40 | 10.14 -0.08 -3.15 | 10.41 -0.07 -2.87 | 8.18 -0.05 -3.00 | 10.65 -0.06 -2.76 | 10.69 -0.06 -2.76 | 10.76 -0.06 -2.81 | 12.71 -0.10 -3.11 | 14.29 -0.10 -3.64 | 16.44 -0.14 -3.84 | 17.22 -0.15 -3.36 | 15.54 -0.14 -1.24 | 10.21 -0.09 -3.02 | 5.42 -0.02 -3.31 |
| SITHE_IND_GS3 24171 | 5.55 -0.02 -3.45 | 5.13 -0.03 -3.04 | 5.32 -0.03 -3.23 | 5.34 -0.03 -3.25 | 5.28 -0.03 -3.21 | 4.74 -0.01 -3.50 | 8.84 -0.03 -3.86 | 22.64 -0.20 -3.33 | 13.41 -0.13 -3.46 | 12.08 -0.12 -2.42 | 9.85 -0.07 -3.40 | 10.14 -0.08 -3.15 | 10.41 -0.07 -2.87 | 8.18 -0.05 -3.00 | 10.65 -0.06 -2.76 | 10.69 -0.06 -2.76 | 10.76 -0.06 -2.81 | 12.71 -0.10 -3.11 | 14.29 -0.10 -3.64 | 16.44 -0.14 -3.84 | 17.22 -0.15 -3.36 | 15.54 -0.14 -1.24 | 10.21 -0.09 -3.02 | 5.42 -0.02 -3.31 |
| SITHE_IND_GS4 24172 | 5.55 -0.02 -3.45 | 5.13 -0.03 -3.04 | 5.32 -0.03 -3.23 | 5.34 -0.03 -3.25 | 5.28 -0.03 -3.21 | 4.74 -0.01 -3.50 | 8.84 -0.03 -3.86 | 22.64 -0.20 -3.33 | 13.41 -0.13 -3.46 | 12.08 -0.12 -2.42 | 9.85 -0.07 -3.40 | 10.14 -0.08 -3.15 | 10.41 -0.07 -2.87 | 8.18 -0.05 -3.00 | 10.65 -0.06 -2.76 | 10.69 -0.06 -2.76 | 10.76 -0.06 -2.81 | 12.71 -0.10 -3.11 | 14.29 -0.10 -3.64 | 16.44 -0.14 -3.84 | 17.22 -0.15 -3.36 | 15.54 -0.14 -1.24 | 10.21 -0.09 -3.02 | 5.42 -0.02 -3.31 |
| SITHE____BATAVIA 24024 | 10.08 0.15 -7.80 | 9.46 0.11 -7.23 | 9.60 0.10 -7.38 | 9.59 0.12 -7.35 | 9.54 0.09 -7.35 | 9.28 0.08 -7.95 | 14.16 0.42 -8.74 | 27.63 0.58 -7.53 | 19.42 0.19 -9.15 | 17.75 0.32 -7.65 | 14.46 0.25 -7.69 | 14.50 0.30 -7.13 | 14.51 0.40 -6.50 | 12.29 0.28 -6.78 | 14.57 0.37 -6.25 | 14.56 0.32 -6.24 | 14.66 0.30 -6.35 | 16.98 0.26 -7.02 | 19.30 0.33 -8.21 | 21.65 0.23 -8.68 | 21.81 0.21 -7.58 | 19.77 0.56 -4.77 | 14.45 0.36 -6.81 | 9.77 0.16 -7.48 |
| SITHE____INDEPEND 23800 | 5.55 -0.02 -3.45 | 5.13 -0.03 -3.04 | 5.32 -0.03 -3.23 | 5.34 -0.03 -3.25 | 5.28 -0.03 -3.21 | 4.74 -0.01 -3.50 | 8.84 -0.03 -3.86 | 22.64 -0.20 -3.33 | 13.41 -0.13 -3.46 | 12.08 -0.12 -2.42 | 9.85 -0.07 -3.40 | 10.14 -0.08 -3.15 | 10.41 -0.07 -2.87 | 8.18 -0.05 -3.00 | 10.65 -0.06 -2.76 | 10.69 -0.06 -2.76 | 10.76 -0.06 -2.81 | 12.71 -0.10 -3.11 | 14.29 -0.10 -3.64 | 16.44 -0.14 -3.84 | 17.22 -0.15 -3.36 | 15.54 -0.14 -1.24 | 10.21 -0.09 -3.02 | 5.42 -0.02 -3.31 |
| SITHE____MASSENA 23902 | 2.07 -0.06 0.00 | 1.87 -0.05 0.19 | 2.03 -0.05 0.04 | 2.07 -0.05 0.00 | 2.01 -0.05 0.05 | 1.20 -0.04 0.02 | 4.77 -0.24 0.00 | 18.83 -0.68 0.00 | 9.06 -0.30 0.72 | 8.26 -0.32 1.19 | 6.29 -0.23 0.00 | 6.80 -0.26 0.00 | 7.30 -0.30 0.00 | 5.02 -0.21 0.00 | 7.62 -0.33 0.00 | 7.66 -0.34 0.00 | 7.69 -0.32 0.00 | 9.34 -0.36 0.00 | 10.31 -0.44 0.00 | 12.28 -0.46 0.00 | 13.54 -0.48 0.00 | 13.88 -0.56 0.00 | 7.03 -0.25 0.00 | 2.05 -0.08 0.00 |
| SITHE____OGDNSBRG 24021 | 2.08 -0.05 0.00 | 1.89 -0.04 0.19 | 2.04 -0.03 0.04 | 2.08 -0.04 0.00 | 2.02 -0.04 0.05 | 1.20 -0.03 0.02 | 4.82 -0.19 0.00 | 19.24 -0.27 0.00 | 9.26 -0.10 0.72 | 8.45 -0.14 1.19 | 6.40 -0.12 0.00 | 6.93 -0.13 0.00 | 7.43 -0.17 0.00 | 5.11 -0.12 0.00 | 7.74 -0.21 0.00 | 7.78 -0.22 0.00 | 7.82 -0.19 0.00 | 9.50 -0.19 0.00 | 10.50 -0.25 0.00 | 12.37 -0.37 0.00 | 13.68 -0.34 0.00 | 13.98 -0.46 0.00 | 7.07 -0.21 0.00 | 2.06 -0.07 0.00 |
| SITHE____STERLING 23777 | 4.51 0.07 -2.31 | 3.96 0.06 -1.78 | 4.29 0.05 -2.11 | 4.36 0.06 -2.18 | 4.24 0.05 -2.08 | 3.61 0.04 -2.32 | 7.83 0.23 -2.59 | 22.66 0.92 -2.23 | 11.87 0.43 -1.36 | 10.21 0.40 -0.03 | 9.09 0.29 -2.28 | 9.48 0.30 -2.11 | 9.85 0.32 -1.93 | 7.45 0.21 -2.01 | 10.10 0.29 -1.85 | 10.12 0.27 -1.85 | 10.35 0.27 -2.07 | 12.32 0.34 -2.29 | 13.88 0.43 -2.70 | 16.08 0.50 -2.85 | 17.06 0.55 -2.49 | 15.90 0.53 -0.92 | 9.74 0.23 -2.24 | 4.66 0.07 -2.46 |
| SOUTH CAIRO____GT 23612 | 54.77 0.22 -52.42 | 52.41 0.22 -50.07 | 52.23 0.21 -49.90 | 51.71 0.21 -49.38 | 52.12 0.20 -49.81 | 55.00 0.13 -53.61 | 64.28 0.57 -58.71 | 72.26 2.13 -50.62 | 78.26 1.10 -67.08 | 71.52 1.05 -60.70 | 58.91 0.69 -51.70 | 55.66 0.67 -47.93 | 52.03 0.73 -43.70 | 51.30 0.50 -45.57 | 50.70 0.75 -42.00 | 50.70 0.76 -41.94 | 51.35 0.75 -42.59 | 57.71 0.92 -47.09 | 66.90 1.05 -55.10 | 72.22 1.25 -58.24 | 66.24 1.33 -50.89 | 55.61 1.36 -39.81 | 53.68 0.68 -45.72 | 52.48 0.18 -50.17 |
| SOUTH HAMPTN____IC 23720 | 90.48 0.27 -88.07 | 75.03 0.27 -72.64 | 70.67 0.27 -68.28 | 69.67 0.27 -67.29 | 75.03 0.26 -72.67 | 86.58 0.16 -85.16 | 92.15 0.72 -86.42 | 93.97 2.77 -71.69 | 92.35 1.46 -80.81 | 92.28 1.39 -81.12 | 72.09 0.82 -64.75 | 72.09 0.90 -64.12 | 62.32 0.97 -53.75 | 61.59 0.68 -55.68 | 60.13 1.03 -51.15 | 60.61 1.03 -51.58 | 62.36 1.03 -53.32 | 74.49 1.25 -63.54 | 72.12 1.40 -59.97 | 91.06 1.62 -76.71 | 91.07 1.77 -75.29 | 78.34 1.82 -62.08 | 60.60 0.90 -52.42 | 57.73 0.27 -55.34 |
| SOUTHOLD____IC 23719 | 90.51 0.31 -88.07 | 75.06 0.30 -72.64 | 70.70 0.30 -68.28 | 69.70 0.29 -67.29 | 75.06 0.29 -72.67 | 86.60 0.18 -85.16 | 92.23 0.80 -86.42 | 94.32 3.12 -71.69 | 92.53 1.64 -80.81 | 92.46 1.56 -81.12 | 72.21 0.94 -64.75 | 72.21 1.02 -64.12 | 62.45 1.10 -53.75 | 61.68 0.77 -55.68 | 60.26 1.16 -51.15 | 60.74 1.16 -51.58 | 62.49 1.16 -53.32 | 74.65 1.42 -63.54 | 72.32 1.59 -59.97 | 91.28 1.83 -76.71 | 91.32 2.02 -75.29 | 78.58 2.06 -62.08 | 60.71 1.01 -52.42 | 57.76 0.30 -55.34 |
| ST LAWRENCE____ 23600 | 2.06 -0.07 0.00 | 1.87 -0.06 0.19 | 2.02 -0.06 0.04 | 2.06 -0.06 0.00 | 2.00 -0.05 0.05 | 1.19 -0.04 0.02 | 4.78 -0.23 0.00 | 18.77 -0.74 0.00 | 9.02 -0.34 0.72 | 8.23 -0.35 1.19 | 6.27 -0.25 0.00 | 6.78 -0.28 0.00 | 7.28 -0.33 0.00 | 5.00 -0.23 0.00 | 7.60 -0.35 0.00 | 7.65 -0.35 0.00 | 7.67 -0.34 0.00 | 9.32 -0.38 0.00 | 10.28 -0.47 0.00 | 12.23 -0.51 0.00 | 13.49 -0.53 0.00 | 13.84 -0.61 0.00 | 7.01 -0.27 0.00 | 2.05 -0.09 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| STATION 5_MISC_HYD 23604 | 8.54 0.08 -6.33 | 8.03 0.06 -5.85 | 8.16 0.05 -5.99 | 8.15 0.06 -5.96 | 8.12 0.05 -5.96 | 7.75 0.04 -6.45 | 12.34 0.25 -7.09 | 26.11 0.49 -6.11 | 17.62 0.17 -7.37 | 16.14 0.23 -6.13 | 12.95 0.19 -6.24 | 13.07 0.22 -5.79 | 13.17 0.29 -5.28 | 10.93 0.20 -5.50 | 13.29 0.27 -5.07 | 13.32 0.26 -5.07 | 13.40 0.23 -5.16 | 15.61 0.21 -5.70 | 17.66 0.24 -6.67 | 19.99 0.20 -7.05 | 20.39 0.21 -6.16 | 18.61 0.36 -3.81 | 13.00 0.19 -5.53 | 8.28 0.08 -6.07 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 8.56 0.08 -6.35 | 8.04 0.06 -5.87 | 8.18 0.05 -6.01 | 8.17 0.06 -5.99 | 8.14 0.05 -5.98 | 7.77 0.04 -6.48 | 12.37 0.25 -7.12 | 26.31 0.66 -6.14 | 17.72 0.26 -7.38 | 16.18 0.28 -6.12 | 13.00 0.21 -6.27 | 13.10 0.23 -5.81 | 13.19 0.29 -5.30 | 10.95 0.20 -5.52 | 13.32 0.28 -5.09 | 13.35 0.26 -5.08 | 13.45 0.26 -5.18 | 15.68 0.26 -5.73 | 17.76 0.31 -6.70 | 20.13 0.32 -7.08 | 20.53 0.32 -6.19 | 18.68 0.43 -3.81 | 13.03 0.20 -5.56 | 8.30 0.07 -6.10 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 8.47 0.07 -6.27 | 7.96 0.05 -5.79 | 8.09 0.05 -5.93 | 8.08 0.05 -5.90 | 8.05 0.04 -5.90 | 7.68 0.04 -6.39 | 12.26 0.24 -7.02 | 26.09 0.53 -6.05 | 17.57 0.19 -7.30 | 16.08 0.24 -6.06 | 12.90 0.20 -6.18 | 13.02 0.23 -5.73 | 13.12 0.30 -5.22 | 10.88 0.20 -5.45 | 13.24 0.27 -5.02 | 13.27 0.26 -5.02 | 13.36 0.24 -5.11 | 15.56 0.22 -5.65 | 17.60 0.25 -6.60 | 19.96 0.24 -6.98 | 20.35 0.24 -6.10 | 18.57 0.36 -3.77 | 12.93 0.17 -5.48 | 8.22 0.07 -6.01 |
| STEEL___WIND 323596 | 11.57 0.15 -9.30 | 10.85 0.10 -8.63 | 11.01 0.09 -8.80 | 10.99 0.11 -8.76 | 10.94 0.07 -8.77 | 10.80 0.07 -9.48 | 15.82 0.40 -10.42 | 28.84 0.35 -8.98 | 21.15 0.11 -10.96 | 19.21 0.23 -9.21 | 15.87 0.18 -9.17 | 15.82 0.25 -8.50 | 15.71 0.36 -7.75 | 13.57 0.26 -8.09 | 15.71 0.31 -7.45 | 15.72 0.28 -7.44 | 15.83 0.25 -7.57 | 18.24 0.17 -8.37 | 20.79 0.26 -9.79 | 23.19 0.11 -10.34 | 23.14 0.08 -9.04 | 20.71 0.52 -5.74 | 15.76 0.36 -8.12 | 11.21 0.16 -8.91 |
| STEBEN_REC_LFGE 323667 | 13.59 0.15 -11.32 | 12.74 0.11 -10.52 | 12.93 0.10 -10.72 | 12.90 0.11 -10.67 | 12.87 0.08 -10.68 | 12.87 0.07 -11.55 | 18.12 0.44 -12.68 | 31.34 0.90 -10.93 | 23.83 0.37 -13.38 | 21.46 0.40 -11.28 | 17.95 0.27 -11.16 | 17.72 0.31 -10.35 | 17.42 0.38 -9.44 | 15.33 0.26 -9.84 | 17.36 0.34 -9.07 | 17.37 0.31 -9.06 | 17.57 0.35 -9.21 | 20.29 0.42 -10.18 | 23.21 0.55 -11.91 | 25.86 0.53 -12.59 | 25.59 0.57 -11.00 | 22.30 0.81 -7.05 | 17.57 0.41 -9.88 | 13.14 0.16 -10.84 |
| STONY___BROOK 24151 | 90.46 0.26 -88.07 | 75.01 0.25 -72.64 | 70.65 0.25 -68.28 | 69.65 0.24 -67.29 | 75.01 0.23 -72.67 | 86.57 0.15 -85.16 | 92.10 0.67 -86.42 | 93.76 2.56 -71.69 | 92.25 1.36 -80.81 | 92.22 1.32 -81.12 | 72.08 0.81 -64.75 | 72.08 0.90 -64.12 | 62.32 0.97 -53.75 | 61.59 0.68 -55.68 | 60.13 1.03 -51.15 | 60.62 1.04 -51.58 | 62.35 1.02 -53.32 | 74.47 1.23 -63.54 | 72.10 1.38 -59.97 | 90.96 1.51 -76.71 | 90.96 1.65 -75.29 | 78.29 1.78 -62.08 | 60.59 0.89 -52.42 | 57.73 0.26 -55.34 |
| STURGEON_POOL_HYD 23609 | 51.37 0.18 -49.07 | 48.63 0.17 -46.34 | 48.88 0.17 -46.60 | 48.50 0.16 -46.22 | 48.74 0.15 -46.48 | 51.48 0.10 -50.13 | 60.45 0.50 -54.95 | 68.78 1.89 -47.38 | 71.92 1.01 -60.84 | 64.34 0.98 -53.58 | 55.57 0.67 -48.39 | 52.59 0.66 -44.86 | 49.23 0.72 -40.90 | 48.39 0.50 -42.66 | 48.03 0.76 -39.31 | 48.03 0.77 -39.26 | 48.61 0.74 -39.86 | 54.70 0.93 -44.07 | 63.37 1.05 -51.57 | 68.49 1.25 -54.51 | 62.98 1.33 -47.63 | 50.19 1.33 -34.42 | 50.69 0.62 -42.79 | 49.25 0.17 -46.95 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 48.79 0.15 -46.51 | 45.77 0.14 -43.51 | 46.35 0.14 -44.09 | 46.07 0.14 -43.82 | 46.19 0.13 -43.95 | 48.81 0.09 -47.47 | 57.43 0.40 -52.02 | 65.89 1.52 -44.86 | 66.94 0.82 -56.05 | 58.74 0.80 -48.16 | 52.88 0.55 -45.81 | 50.12 0.59 -42.47 | 46.97 0.64 -38.72 | 46.06 0.44 -40.39 | 45.85 0.68 -37.22 | 45.90 0.68 -37.22 | 46.41 0.66 -37.74 | 52.23 0.80 -41.73 | 60.47 0.90 -48.82 | 65.39 1.04 -51.61 | 60.24 1.13 -45.09 | 45.90 1.16 -30.31 | 48.33 0.55 -40.51 | 46.73 0.15 -44.45 |
| SYNERGY___BIOGAS 323694 | 10.08 0.15 -7.80 | 9.46 0.11 -7.23 | 9.60 0.10 -7.38 | 9.59 0.12 -7.35 | 9.54 0.09 -7.35 | 9.28 0.08 -7.95 | 14.16 0.42 -8.74 | 27.63 0.58 -7.53 | 19.42 0.19 -9.15 | 17.75 0.32 -7.65 | 14.46 0.25 -7.69 | 14.50 0.30 -7.13 | 14.51 0.40 -6.50 | 12.29 0.28 -6.78 | 14.57 0.37 -6.25 | 14.56 0.32 -6.24 | 14.66 0.30 -6.35 | 16.98 0.26 -7.02 | 19.30 0.33 -8.21 | 21.65 0.23 -8.68 | 21.81 0.21 -7.58 | 19.77 0.56 -4.77 | 14.45 0.36 -6.81 | 9.77 0.16 -7.48 |
| SYRACUSE___ENERGY_ST1 323597 | 7.74 0.05 -5.56 | 7.26 0.03 -5.10 | 7.40 0.03 -5.25 | 7.39 0.03 -5.24 | 7.36 0.03 -5.23 | 6.94 0.02 -5.67 | 11.38 0.15 -6.23 | 25.37 0.49 -5.37 | 16.62 0.20 -6.34 | 15.14 0.21 -5.16 | 12.14 0.14 -5.49 | 12.30 0.15 -5.09 | 12.42 0.18 -4.64 | 10.19 0.13 -4.84 | 12.60 0.19 -4.46 | 12.64 0.19 -4.45 | 12.76 0.20 -4.55 | 14.95 0.22 -5.03 | 16.90 0.27 -5.88 | 19.26 0.31 -6.22 | 19.77 0.32 -5.43 | 18.00 0.35 -3.21 | 12.30 0.15 -4.88 | 7.53 0.05 -5.35 |
| SYRACUSE___ENERGY_ST2 323598 | 7.74 0.05 -5.56 | 7.26 0.03 -5.10 | 7.40 0.03 -5.25 | 7.39 0.03 -5.24 | 7.36 0.03 -5.23 | 6.94 0.02 -5.67 | 11.38 0.15 -6.23 | 25.37 0.49 -5.37 | 16.62 0.20 -6.34 | 15.14 0.21 -5.16 | 12.14 0.14 -5.49 | 12.30 0.15 -5.09 | 12.42 0.18 -4.64 | 10.19 0.13 -4.84 | 12.60 0.19 -4.46 | 12.64 0.19 -4.45 | 12.76 0.20 -4.55 | 14.95 0.22 -5.03 | 16.90 0.27 -5.88 | 19.26 0.31 -6.22 | 19.77 0.32 -5.43 | 18.00 0.35 -3.21 | 12.30 0.15 -4.88 | 7.53 0.05 -5.35 |
| SYRACUSE___POWER 24017 | 9.03 0.07 -6.83 | 8.45 0.05 -6.28 | 8.62 0.05 -6.45 | 8.61 0.05 -6.44 | 8.58 0.04 -6.43 | 8.25 0.04 -6.96 | 12.87 0.21 -7.65 | 26.85 0.74 -6.60 | 18.23 0.32 -7.83 | 16.50 0.32 -6.40 | 13.47 0.21 -6.74 | 13.53 0.23 -6.25 | 13.56 0.26 -5.69 | 11.35 0.18 -5.94 | 13.69 0.26 -5.47 | 13.72 0.26 -5.47 | 13.87 0.27 -5.59 | 16.18 0.31 -6.18 | 18.36 0.39 -7.22 | 20.82 0.45 -7.63 | 21.18 0.49 -6.67 | 18.96 0.52 -4.00 | 13.50 0.23 -5.99 | 8.78 0.07 -6.58 |
| TRIGEN___CC 323695 | 90.43 0.23 -88.07 | 74.98 0.22 -72.64 | 70.61 0.22 -68.28 | 69.61 0.21 -67.29 | 74.97 0.20 -72.67 | 86.55 0.13 -85.16 | 92.01 0.58 -86.42 | 93.41 2.20 -71.69 | 92.07 1.18 -80.81 | 92.05 1.15 -81.12 | 72.03 0.76 -64.75 | 72.03 0.84 -64.12 | 62.28 0.92 -53.75 | 61.55 0.64 -55.68 | 60.07 0.97 -51.15 | 60.55 0.98 -51.58 | 62.28 0.94 -53.32 | 74.38 1.14 -63.54 | 72.02 1.29 -59.97 | 90.95 1.50 -76.71 | 90.94 1.64 -75.29 | 78.19 1.67 -62.08 | 60.52 0.82 -52.42 | 57.70 0.23 -55.34 |
| UNION___PROCESSING_DRP 323587 | 8.58 0.08 -6.38 | 8.07 0.06 -5.89 | 8.20 0.05 -6.03 | 8.19 0.06 -6.01 | 8.16 0.04 -6.01 | 7.79 0.04 -6.50 | 12.39 0.24 -7.14 | 26.14 0.47 -6.16 | 17.67 0.16 -7.43 | 16.18 0.23 -6.17 | 12.99 0.18 -6.29 | 13.10 0.21 -5.83 | 13.20 0.28 -5.32 | 10.96 0.19 -5.54 | 13.32 0.26 -5.11 | 13.34 0.24 -5.10 | 13.43 0.22 -5.19 | 15.63 0.19 -5.74 | 17.70 0.23 -6.72 | 20.03 0.19 -7.10 | 20.40 0.18 -6.20 | 18.63 0.35 -3.84 | 13.03 0.18 -5.57 | 8.33 0.08 -6.12 |
| UPPER HUDSON___HYD 24058 | 69.46 0.22 -67.12 | 68.84 0.21 -66.51 | 66.70 0.21 -64.37 | 65.56 0.21 -63.23 | 66.71 0.21 -64.40 | 70.25 0.10 -68.90 | 80.59 0.41 -75.18 | 85.89 1.56 -64.82 | 105.59 0.72 -94.79 | 102.92 0.69 -92.45 | 73.18 0.46 -66.20 | 68.96 0.52 -61.38 | 64.12 0.55 -55.96 | 63.95 0.36 -58.36 | 62.26 0.52 -53.79 | 62.24 0.54 -53.70 | 63.14 0.57 -54.56 | 70.71 0.69 -60.32 | 82.08 0.75 -70.58 | 88.23 0.89 -74.61 | 80.22 1.01 -65.19 | 79.83 1.44 -63.94 | 66.56 0.71 -58.57 | 66.58 0.19 -64.27 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| UPPER RAQUET___HYD 24056 | 1.99 -0.13 0.00 | 1.81 -0.12 0.19 | 1.96 -0.12 0.04 | 2.00 -0.12 0.00 | 1.94 -0.12 0.05 | 1.15 -0.08 0.02 | 4.62 -0.39 0.00 | 18.22 -1.29 0.00 | 8.75 -0.62 0.71 | 7.95 -0.65 1.18 | 6.06 -0.46 0.00 | 6.55 -0.51 0.00 | 7.01 -0.59 0.00 | 4.82 -0.41 0.00 | 7.31 -0.64 0.00 | 7.35 -0.65 0.00 | 7.38 -0.63 0.00 | 8.99 -0.71 0.00 | 9.94 -0.81 0.00 | 11.91 -0.83 0.00 | 13.16 -0.86 0.00 | 13.43 -1.01 0.00 | 6.79 -0.49 0.00 | 1.98 -0.16 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 24.32 0.13 -22.06 | 23.43 0.12 -21.18 | 23.26 0.12 -21.02 | 23.03 0.12 -20.78 | 23.21 0.12 -20.99 | 23.90 0.08 -22.58 | 30.08 0.37 -24.71 | 42.16 1.35 -21.30 | 39.40 0.69 -28.64 | 36.66 0.67 -26.22 | 28.73 0.46 -21.76 | 27.74 0.50 -20.17 | 26.53 0.54 -18.39 | 24.79 0.38 -19.18 | 26.18 0.56 -17.68 | 26.19 0.54 -17.65 | 26.47 0.52 -17.94 | 30.16 0.63 -19.83 | 34.68 0.73 -23.20 | 38.09 0.83 -24.53 | 36.37 0.92 -21.43 | 32.77 0.95 -17.38 | 26.99 0.46 -19.25 | 23.40 0.14 -21.13 |
| VISCHER___FERRY HYD 24020 | 66.59 0.16 -64.30 | 65.74 0.16 -63.46 | 63.90 0.16 -61.62 | 62.86 0.16 -60.58 | 63.90 0.16 -61.63 | 67.33 0.10 -65.98 | 77.42 0.39 -72.03 | 83.02 1.41 -62.10 | 100.67 0.73 -89.87 | 97.49 0.71 -87.00 | 70.43 0.48 -63.43 | 66.39 0.52 -58.81 | 61.79 0.57 -53.61 | 61.53 0.38 -55.92 | 60.05 0.56 -51.54 | 60.02 0.57 -51.45 | 60.87 0.58 -52.27 | 68.17 0.68 -57.79 | 79.13 0.76 -67.62 | 85.10 0.89 -71.48 | 77.45 0.98 -62.45 | 75.40 1.08 -59.88 | 63.94 0.55 -56.11 | 63.85 0.14 -61.57 |
| V_CMM_10_SYNC_DSASP 323787 | 2.06 -0.06 0.00 | 1.87 -0.05 0.19 | 2.03 -0.05 0.04 | 2.07 -0.05 0.00 | 2.01 -0.05 0.05 | 1.20 -0.04 0.02 | 4.80 -0.21 0.00 | 18.83 -0.68 0.00 | 9.05 -0.31 0.72 | 8.26 -0.32 1.19 | 6.29 -0.23 0.00 | 6.80 -0.26 0.00 | 7.30 -0.30 0.00 | 5.02 -0.21 0.00 | 7.62 -0.33 0.00 | 7.67 -0.33 0.00 | 7.69 -0.32 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.26 -0.47 0.00 | 13.53 -0.49 0.00 | 13.88 -0.56 0.00 | 7.03 -0.25 0.00 | 2.05 -0.08 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 2.13 0.00 0.00 | 1.93 0.00 0.19 | 2.09 0.01 0.04 | 2.13 0.01 0.00 | 2.05 0.00 0.05 | 1.23 0.00 0.02 | 4.94 -0.07 0.00 | 19.37 -0.14 0.00 | 9.24 -0.12 0.72 | 8.35 -0.23 1.19 | 6.31 -0.22 0.00 | 6.77 -0.30 0.00 | 7.19 -0.42 0.00 | 4.91 -0.32 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.40 -0.33 0.00 | 13.70 -0.32 0.00 | 13.94 -0.51 0.00 | 7.13 -0.15 0.00 | 2.03 -0.10 0.00 |
| V_F_30_NSYNC___DSASP 323816 | 69.08 0.21 -66.74 | 68.43 0.21 -66.10 | 66.32 0.21 -64.00 | 65.20 0.20 -62.87 | 66.34 0.20 -64.03 | 69.87 0.12 -68.51 | 80.24 0.48 -74.76 | 85.74 1.78 -64.45 | 105.09 0.87 -94.15 | 102.37 0.85 -91.74 | 72.91 0.56 -65.83 | 68.72 0.62 -61.03 | 63.92 0.67 -55.64 | 63.71 0.64 -58.03 | 62.10 0.66 -53.49 | 62.07 0.66 -53.40 | 62.95 0.69 -54.25 | 70.50 0.82 -59.98 | 81.85 0.91 -70.18 | 88.01 1.08 -74.19 | 80.04 1.21 -64.82 | 79.24 1.39 -63.42 | 66.21 0.69 -58.24 | 66.22 0.19 -63.90 |
| V_F_30_SYNC_DSASP 323786 | 63.92 0.16 -61.63 | 62.78 0.16 -60.50 | 61.27 0.16 -58.99 | 60.34 0.16 -58.06 | 61.24 0.16 -58.98 | 64.55 0.10 -63.20 | 74.44 0.41 -69.03 | 80.49 1.46 -59.52 | 95.79 0.77 -84.95 | 91.95 0.75 -81.42 | 67.83 0.51 -60.79 | 63.98 0.56 -56.36 | 59.59 0.61 -51.38 | 59.23 0.41 -53.59 | 57.96 0.62 -49.39 | 57.94 0.62 -49.31 | 58.72 0.63 -50.09 | 65.81 0.74 -55.38 | 76.38 0.83 -64.80 | 82.18 0.96 -68.49 | 74.92 1.05 -59.85 | 71.20 1.10 -55.66 | 61.60 0.55 -53.77 | 61.28 0.15 -59.00 |
| V_XM_10_SYNC_DSASP 323789 | 2.13 0.00 0.00 | 1.93 0.00 0.19 | 2.09 0.01 0.04 | 2.13 0.01 0.00 | 2.05 0.00 0.05 | 1.23 0.00 0.02 | 4.94 -0.07 0.00 | 19.37 -0.14 0.00 | 9.24 -0.12 0.72 | 8.35 -0.23 1.19 | 6.31 -0.22 0.00 | 6.77 -0.30 0.00 | 7.19 -0.42 0.00 | 4.91 -0.32 0.00 | 7.48 -0.47 0.00 | 7.54 -0.46 0.00 | 7.61 -0.40 0.00 | 9.35 -0.35 0.00 | 10.31 -0.44 0.00 | 12.40 -0.33 0.00 | 13.70 -0.32 0.00 | 13.94 -0.51 0.00 | 7.13 -0.15 0.00 | 2.03 -0.10 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 49.62 0.17 -47.33 | 46.56 0.16 -44.28 | 47.14 0.16 -44.86 | 46.86 0.15 -44.59 | 46.97 0.15 -44.72 | 49.66 0.10 -48.30 | 58.53 0.45 -53.07 | 66.99 1.72 -45.76 | 68.18 0.92 -57.18 | 59.82 0.90 -49.14 | 53.87 0.61 -46.74 | 51.06 0.66 -43.33 | 47.82 0.71 -39.51 | 46.93 0.50 -41.20 | 46.69 0.76 -37.97 | 46.64 0.77 -37.87 | 47.25 0.74 -38.50 | 53.17 0.90 -42.57 | 61.57 1.01 -49.81 | 66.58 1.20 -52.65 | 61.32 1.30 -46.00 | 46.72 1.31 -30.97 | 49.23 0.63 -41.33 | 47.65 0.17 -45.35 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 50.53 0.18 -48.22 | 47.42 0.17 -45.13 | 48.01 0.17 -45.72 | 47.71 0.16 -45.43 | 47.83 0.15 -45.57 | 50.58 0.10 -49.22 | 59.50 0.48 -54.01 | 67.93 1.85 -46.57 | 69.32 1.01 -58.24 | 60.85 0.99 -50.08 | 54.75 0.67 -47.56 | 51.90 0.74 -44.09 | 48.62 0.81 -40.20 | 47.73 0.57 -41.93 | 47.46 0.87 -38.64 | 47.46 0.87 -38.59 | 48.02 0.83 -39.18 | 54.04 1.03 -43.32 | 62.57 1.14 -50.68 | 67.63 1.32 -53.57 | 62.27 1.44 -46.81 | 47.44 1.44 -31.56 | 50.02 0.68 -42.06 | 48.47 0.19 -46.15 |
| WADING RIVER_IC_1 23522 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.06 0.63 -86.42 | 93.64 2.44 -71.69 | 92.18 1.29 -80.81 | 92.12 1.22 -81.12 | 71.96 0.69 -64.75 | 71.94 0.76 -64.12 | 62.17 0.81 -53.75 | 61.50 0.59 -55.68 | 59.99 0.89 -51.15 | 60.46 0.89 -51.58 | 62.21 0.88 -53.32 | 74.30 1.07 -63.54 | 71.92 1.19 -59.97 | 90.81 1.36 -76.71 | 90.79 1.49 -75.29 | 78.06 1.55 -62.08 | 60.46 0.76 -52.42 | 57.70 0.23 -55.34 |
| WADING RIVER_IC_2 23547 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.06 0.63 -86.42 | 93.64 2.44 -71.69 | 92.18 1.29 -80.81 | 92.12 1.22 -81.12 | 71.96 0.69 -64.75 | 71.94 0.76 -64.12 | 62.17 0.81 -53.75 | 61.50 0.59 -55.68 | 59.99 0.89 -51.15 | 60.46 0.89 -51.58 | 62.21 0.88 -53.32 | 74.30 1.07 -63.54 | 71.92 1.19 -59.97 | 90.81 1.36 -76.71 | 90.79 1.49 -75.29 | 78.06 1.55 -62.08 | 60.46 0.76 -52.42 | 57.70 0.23 -55.34 |
| WADING RIVER_IC_3 23601 | 90.44 0.24 -88.07 | 75.00 0.24 -72.64 | 70.64 0.25 -68.28 | 69.64 0.24 -67.29 | 75.00 0.23 -72.67 | 86.56 0.14 -85.16 | 92.06 0.63 -86.42 | 93.64 2.44 -71.69 | 92.18 1.29 -80.81 | 92.12 1.22 -81.12 | 71.96 0.69 -64.75 | 71.94 0.76 -64.12 | 62.17 0.81 -53.75 | 61.50 0.59 -55.68 | 59.99 0.89 -51.15 | 60.46 0.89 -51.58 | 62.21 0.88 -53.32 | 74.30 1.07 -63.54 | 71.92 1.19 -59.97 | 90.81 1.36 -76.71 | 90.79 1.49 -75.29 | 78.06 1.55 -62.08 | 60.46 0.76 -52.42 | 57.70 0.23 -55.34 |
| WALDEN___HYDRO 24148 | 50.19 0.17 -47.89 | 47.25 0.16 -44.97 | 47.71 0.16 -45.43 | 47.39 0.15 -45.12 | 47.55 0.15 -45.30 | 50.25 0.10 -48.90 | 59.11 0.47 -53.64 | 67.51 1.76 -46.24 | 69.40 0.94 -58.38 | 61.33 0.91 -50.65 | 54.37 0.62 -47.23 | 51.49 0.64 -43.79 | 48.21 0.68 -39.92 | 47.35 0.48 -41.64 | 47.06 0.73 -38.38 | 47.04 0.72 -38.32 | 47.62 0.70 -38.91 | 53.60 0.88 -43.02 | 62.08 1.00 -50.33 | 67.11 1.17 -53.20 | 61.77 1.26 -46.49 | 47.85 1.27 -32.14 | 49.64 0.60 -41.77 | 48.12 0.16 -45.83 |
| WARRENSBURG____ 23737 | 69.46 0.22 -67.12 | 68.84 0.21 -66.51 | 66.70 0.21 -64.37 | 65.56 0.21 -63.23 | 66.71 0.21 -64.40 | 70.25 0.10 -68.90 | 80.59 0.41 -75.18 | 85.89 1.56 -64.82 | 105.59 0.72 -94.79 | 102.92 0.69 -92.45 | 73.18 0.46 -66.20 | 68.96 0.52 -61.38 | 64.12 0.55 -55.96 | 63.95 0.36 -58.36 | 62.26 0.52 -53.79 | 62.24 0.54 -53.70 | 63.14 0.57 -54.56 | 70.71 0.69 -60.32 | 82.08 0.75 -70.58 | 88.23 0.89 -74.61 | 80.22 1.01 -65.19 | 79.83 1.44 -63.94 | 66.56 0.71 -58.57 | 66.58 0.19 -64.27 |

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| WATERSIDE___6 8 9 23538 | 50.56 0.19 -48.24 | 47.44 0.18 -45.14 | 48.03 0.18 -45.73 | 47.73 0.17 -45.44 | 47.86 0.16 -45.59 | 50.60 0.11 -49.23 | 59.52 0.50 -54.01 | 67.99 1.91 -46.57 | 69.35 1.03 -58.24 | 60.90 1.03 -50.09 | 54.79 0.70 -47.57 | 51.94 0.77 -44.11 | 48.65 0.84 -40.21 | 47.75 0.59 -41.94 | 47.49 0.89 -38.65 | 47.49 0.90 -38.60 | 48.07 0.87 -39.19 | 54.08 1.06 -43.33 | 62.63 1.18 -50.69 | 67.69 1.38 -53.58 | 62.33 1.50 -46.81 | 47.50 1.50 -31.56 | 50.05 0.71 -42.06 | 48.50 0.20 -46.16 |
| WDELAWARE___HYD 323627 | 48.11 0.19 -45.79 | 45.33 0.18 -43.04 | 45.74 0.17 -43.45 | 45.43 0.17 -43.14 | 45.59 0.16 -43.32 | 48.12 0.11 -46.76 | 56.79 0.51 -51.28 | 65.66 1.93 -44.22 | 67.07 1.02 -55.97 | 59.43 0.98 -48.67 | 52.35 0.67 -45.16 | 49.59 0.66 -41.87 | 46.49 0.71 -38.17 | 45.54 0.50 -39.81 | 45.40 0.76 -36.69 | 45.39 0.75 -36.64 | 45.95 0.74 -37.20 | 51.75 0.92 -41.13 | 59.92 1.04 -48.12 | 64.84 1.23 -50.87 | 59.80 1.33 -44.45 | 46.72 1.33 -30.95 | 47.84 0.63 -39.93 | 46.12 0.17 -43.82 |
| WEST BABYLON___IC 23714 | 90.47 0.27 -88.07 | 75.02 0.26 -72.64 | 70.65 0.26 -68.28 | 69.65 0.25 -67.29 | 75.01 0.24 -72.67 | 86.57 0.15 -85.16 | 92.12 0.69 -86.42 | 93.83 2.63 -71.69 | 92.28 1.39 -80.81 | 92.25 1.36 -81.12 | 72.13 0.86 -64.75 | 72.13 0.95 -64.12 | 62.38 1.03 -53.75 | 61.63 0.72 -55.68 | 60.18 1.08 -51.15 | 60.66 1.09 -51.58 | 62.40 1.07 -53.32 | 74.53 1.29 -63.54 | 72.16 1.43 -59.97 | 91.09 1.64 -76.71 | 91.10 1.79 -75.29 | 78.37 1.85 -62.08 | 60.65 0.95 -52.42 | 57.74 0.27 -55.34 |
| WEST CANADA___HYD 24049 | 2.13 0.01 0.00 | 1.41 0.00 0.71 | 1.98 0.00 0.14 | 2.12 0.00 0.00 | 1.92 0.00 0.19 | 1.18 0.00 0.08 | 5.03 0.03 0.00 | 19.61 0.10 0.00 | 7.49 0.04 2.63 | 5.46 0.04 4.36 | 6.55 0.03 0.00 | 7.09 0.03 0.00 | 7.64 0.04 0.00 | 5.25 0.02 0.00 | 7.99 0.04 0.00 | 8.04 0.04 0.00 | 8.03 0.02 0.00 | 9.73 0.03 0.00 | 10.79 0.04 0.00 | 12.77 0.04 0.00 | 14.06 0.04 0.00 | 11.81 0.06 2.69 | 7.30 0.02 0.00 | 2.14 0.01 0.00 |
| WESTERN_NY_WIND 24143 | 10.21 0.15 -7.94 | 9.58 0.11 -7.35 | 9.73 0.10 -7.51 | 9.72 0.12 -7.48 | 9.67 0.08 -7.48 | 9.42 0.08 -8.09 | 14.31 0.41 -8.89 | 27.72 0.55 -7.66 | 19.57 0.18 -9.31 | 17.88 0.31 -7.79 | 14.59 0.24 -7.83 | 14.61 0.29 -7.26 | 14.61 0.40 -6.62 | 12.41 0.28 -6.90 | 14.67 0.36 -6.36 | 14.65 0.30 -6.35 | 14.76 0.29 -6.46 | 17.09 0.25 -7.14 | 19.42 0.31 -8.35 | 21.77 0.20 -8.83 | 21.93 0.20 -7.72 | 19.85 0.55 -4.86 | 14.56 0.35 -6.93 | 9.90 0.16 -7.61 |
| WESTOVER___LESR 323668 | 17.84 0.14 -15.57 | 16.75 0.11 -14.52 | 16.97 0.11 -14.75 | 16.90 0.11 -14.67 | 16.91 0.10 -14.70 | 17.21 0.07 -15.89 | 22.82 0.38 -17.44 | 35.64 1.09 -15.04 | 29.19 0.50 -18.61 | 26.13 0.51 -15.84 | 22.22 0.35 -15.36 | 21.69 0.39 -14.24 | 21.03 0.44 -12.98 | 19.07 0.30 -13.54 | 20.86 0.43 -12.48 | 20.88 0.42 -12.46 | 21.10 0.42 -12.67 | 24.18 0.47 -14.01 | 27.73 0.58 -16.39 | 30.70 0.64 -17.33 | 29.83 0.67 -15.14 | 25.21 0.81 -9.96 | 21.29 0.41 -13.60 | 17.20 0.14 -14.93 |
| WETHRSFD_WT_PWR 323626 | 12.36 0.11 -10.13 | 11.59 0.07 -9.41 | 11.76 0.06 -9.59 | 11.73 0.07 -9.54 | 11.69 0.04 -9.55 | 11.63 0.05 -10.33 | 16.66 0.31 -11.34 | 29.45 0.16 -9.78 | 22.04 0.01 -11.96 | 19.94 0.10 -10.06 | 16.59 0.08 -9.99 | 16.47 0.14 -9.26 | 16.27 0.22 -8.44 | 14.19 0.16 -8.81 | 16.24 0.17 -8.12 | 16.26 0.15 -8.11 | 16.40 0.15 -8.23 | 18.90 0.10 -9.10 | 21.57 0.17 -10.65 | 24.03 0.04 -11.26 | 23.87 0.01 -9.84 | 21.08 0.36 -6.28 | 16.36 0.25 -8.84 | 11.95 0.12 -9.70 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 49.64 0.16 -47.36 | 46.58 0.15 -44.31 | 47.16 0.15 -44.89 | 46.87 0.14 -44.61 | 46.99 0.14 -44.75 | 49.68 0.09 -48.33 | 58.56 0.43 -53.13 | 66.93 1.62 -45.81 | 68.19 0.88 -57.24 | 59.82 0.86 -49.18 | 53.88 0.58 -46.78 | 51.07 0.64 -43.37 | 47.84 0.69 -39.54 | 46.95 0.48 -41.24 | 46.69 0.73 -38.01 | 46.63 0.74 -37.89 | 47.26 0.71 -38.54 | 53.18 0.87 -42.61 | 61.58 0.98 -49.85 | 66.59 1.16 -52.70 | 61.32 1.26 -46.04 | 46.71 1.27 -31.00 | 49.24 0.60 -41.37 | 47.69 0.17 -45.39 |
| YORK___WARBASSE 23770 | 50.56 0.20 -48.24 | 47.45 0.19 -45.14 | 48.04 0.20 -45.73 | 47.73 0.17 -45.44 | 47.86 0.17 -45.59 | 50.59 0.10 -49.23 | 59.49 0.47 -54.01 | 67.86 1.78 -46.57 | 69.29 0.97 -58.24 | 60.84 0.97 -50.09 | 54.75 0.66 -47.57 | 51.90 0.73 -44.10 | 48.61 0.80 -40.21 | 47.73 0.56 -41.94 | 47.46 0.86 -38.65 | 47.46 0.86 -38.60 | 48.02 0.83 -39.19 | 54.05 1.03 -43.33 | 62.59 1.15 -50.69 | 67.66 1.35 -53.58 | 62.29 1.46 -46.81 | 47.43 1.43 -31.56 | 50.02 0.68 -42.06 | 48.49 0.20 -46.16 |