

Time Weighted/Integrated Real Time LBMP- Generator

| | | --- LBMP \$ | | | --- Marginal Cost of Losses | | | | | | | | | | --- Marginal Cost of Congestion | | | | | | | | | | --- Scarcity Pricing In Effect (Y/N) | | | | | | | | | | 01/01/2013 | |
|----------------------|-------|-------------|-------|---------|-----------------------------|--------|--------|-------|-------|-------|-------|--------|--------|--------|---------------------------------|--------|--------|--------|---------|---------|--------|---------|--------|-------|--------------------------------------|--|--|--|--|--|--|--|--|--|------------|--|
| Generator Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name | PTID | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 | | | | | | | | | | | |
| 59TH STREET_GT_1 | 24138 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 58.52 | 22.09 | 108.66 | 50.93 | 40.75 | 61.04 | 18.02 | 21.27 | 22.58 | 24.62 | 50.63 | 54.22 | 75.55 | 63.41 | 54.37 | 28.44 | 58.28 | 147.19 | 137.90 | 54.63 | 96.81 | 66.93 | 36.56 | 47.09 | | | | | | | | | | | |
| | | 0.37 | 1.41 | -2.38 | 0.04 | 0.61 | 0.88 | 1.39 | 1.73 | 1.75 | 1.82 | 1.95 | 2.65 | 2.01 | 1.82 | -0.65 | 1.52 | 1.75 | 1.50 | 1.62 | 3.21 | 1.18 | 2.50 | 3.15 | 3.34 | | | | | | | | | | | |
| | | -53.89 | -6.04 | -139.80 | -50.38 | -32.39 | -49.46 | 0.00 | 0.00 | 0.00 | -1.60 | -27.07 | -23.59 | -52.04 | -42.45 | -61.68 | -11.26 | -38.55 | -130.20 | -120.05 | -18.50 | -83.27 | -39.21 | 0.00 | -5.59 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| 74TH STREET_GT_1 | 24260 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 58.53 | 22.10 | 108.66 | 50.93 | 40.76 | 61.05 | 18.03 | 21.28 | 22.59 | 24.63 | 50.65 | 54.23 | 75.57 | 63.42 | 54.38 | 28.45 | 58.30 | 147.21 | 137.93 | 54.66 | 96.82 | 66.95 | 36.58 | 47.12 | | | | | | | | | | | |
| | | 0.37 | 1.42 | -2.39 | 0.04 | 0.62 | 0.89 | 1.40 | 1.73 | 1.76 | 1.82 | 1.97 | 2.67 | 2.02 | 1.83 | -0.64 | 1.53 | 1.76 | 1.52 | 1.64 | 3.24 | 1.19 | 2.52 | 3.18 | 3.37 | | | | | | | | | | | |
| | | -53.89 | -6.05 | -139.81 | -50.38 | -32.39 | -49.47 | 0.00 | 0.00 | 0.00 | -1.60 | -27.07 | -23.59 | -52.05 | -42.46 | -61.68 | -11.26 | -38.56 | -130.21 | -120.06 | -18.50 | -83.27 | -39.21 | 0.00 | -5.59 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| 74TH STREET_GT_2 | 24261 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 58.53 | 22.10 | 108.66 | 50.93 | 40.76 | 61.05 | 18.03 | 21.28 | 22.59 | 24.63 | 50.65 | 54.23 | 75.57 | 63.42 | 54.38 | 28.45 | 58.30 | 147.21 | 137.93 | 54.66 | 96.82 | 66.95 | 36.58 | 47.12 | | | | | | | | | | | |
| | | 0.37 | 1.42 | -2.39 | 0.04 | 0.62 | 0.89 | 1.40 | 1.73 | 1.76 | 1.82 | 1.97 | 2.67 | 2.02 | 1.83 | -0.64 | 1.53 | 1.76 | 1.52 | 1.64 | 3.24 | 1.19 | 2.52 | 3.18 | 3.37 | | | | | | | | | | | |
| | | -53.89 | -6.05 | -139.81 | -50.38 | -32.39 | -49.47 | 0.00 | 0.00 | 0.00 | -1.60 | -27.07 | -23.59 | -52.05 | -42.46 | -61.68 | -11.26 | -38.56 | -130.21 | -120.06 | -18.50 | -83.27 | -39.21 | 0.00 | -5.59 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| ADK HUDSON___FALLS | 24011 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 75.02 | 23.74 | 151.41 | 66.32 | 50.60 | 75.96 | 17.57 | 20.78 | 22.10 | 24.81 | 58.64 | 60.99 | 91.16 | 75.90 | 73.22 | 31.45 | 69.69 | 186.77 | 174.32 | 59.75 | 122.07 | 78.26 | 35.73 | 48.09 | | | | | | | | | | | |
| | | 0.39 | 1.22 | -2.36 | 0.04 | 0.56 | 0.68 | 0.93 | 1.24 | 1.27 | 1.52 | 1.68 | 2.22 | 1.75 | 1.45 | -0.49 | 1.11 | 1.39 | 1.28 | 1.34 | 2.68 | 0.99 | 1.84 | 2.32 | 2.64 | | | | | | | | | | | |
| | | -70.36 | -7.89 | -182.54 | -65.78 | -42.29 | -64.59 | 0.00 | 0.00 | 0.00 | -2.09 | -35.35 | -30.80 | -67.90 | -55.32 | -80.37 | -14.67 | -50.31 | -170.00 | -156.75 | -24.16 | -108.73 | -51.19 | 0.00 | -7.29 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| ADK RESOURCE___RCVRY | 23798 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 73.77 | 23.97 | 146.94 | 65.05 | 50.04 | 75.07 | 18.15 | 21.52 | 22.81 | 25.51 | 58.72 | 61.35 | 90.59 | 75.53 | 71.42 | 31.66 | 69.23 | 183.86 | 171.69 | 60.25 | 120.29 | 78.01 | 36.87 | 49.45 | | | | | | | | | | | |
| | | 0.52 | 1.60 | -3.24 | 0.06 | 0.84 | 1.06 | 1.52 | 1.97 | 1.98 | 2.26 | 2.46 | 3.18 | 2.51 | 2.15 | -0.72 | 1.61 | 1.92 | 1.71 | 1.79 | 3.65 | 1.34 | 2.60 | 3.46 | 4.15 | | | | | | | | | | | |
| | | -68.98 | -7.74 | -178.95 | -64.48 | -41.46 | -63.31 | 0.00 | 0.00 | 0.00 | -2.05 | -34.65 | -30.20 | -66.57 | -54.24 | -78.80 | -14.39 | -49.33 | -166.66 | -153.67 | -23.68 | -106.59 | -50.19 | 0.00 | -7.14 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| ADK S GLENS___FALLS | 24028 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 75.02 | 23.74 | 151.41 | 66.32 | 50.60 | 75.96 | 17.57 | 20.78 | 22.10 | 24.81 | 58.64 | 60.99 | 91.16 | 75.90 | 73.22 | 31.45 | 69.69 | 186.77 | 174.32 | 59.75 | 122.07 | 78.26 | 35.73 | 48.09 | | | | | | | | | | | |
| | | 0.39 | 1.22 | -2.36 | 0.04 | 0.56 | 0.68 | 0.93 | 1.24 | 1.27 | 1.52 | 1.68 | 2.22 | 1.75 | 1.45 | -0.49 | 1.11 | 1.39 | 1.28 | 1.34 | 2.68 | 0.99 | 1.84 | 2.32 | 2.64 | | | | | | | | | | | |
| | | -70.36 | -7.89 | -182.54 | -65.78 | -42.29 | -64.59 | 0.00 | 0.00 | 0.00 | -2.09 | -35.35 | -30.80 | -67.90 | -55.32 | -80.37 | -14.67 | -50.31 | -170.00 | -156.75 | -24.16 | -108.73 | -51.19 | 0.00 | -7.29 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| ADK_NYS___DAM | 23527 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 73.31 | 23.63 | 146.75 | 64.72 | 49.69 | 74.61 | 17.94 | 21.16 | 22.44 | 25.08 | 58.10 | 60.64 | 89.79 | 74.88 | 71.14 | 31.34 | 68.70 | 182.78 | 170.66 | 59.51 | 119.55 | 77.39 | 36.35 | 48.77 | | | | | | | | | | | |
| | | 0.40 | 1.30 | -2.56 | 0.04 | 0.69 | 0.90 | 1.31 | 1.62 | 1.61 | 1.84 | 2.01 | 2.62 | 2.05 | 1.77 | -0.60 | 1.37 | 1.63 | 1.45 | 1.51 | 3.03 | 1.13 | 2.23 | 2.95 | 3.50 | | | | | | | | | | | |
| | | -68.64 | -7.70 | -178.07 | -64.17 | -41.26 | -63.01 | 0.00 | 0.00 | 0.00 | -2.04 | -34.48 | -30.05 | -66.25 | -53.97 | -78.40 | -14.32 | -49.08 | -165.85 | -152.92 | -23.57 | -106.07 | -49.94 | 0.00 | -7.11 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| AIR_PRODUCTS___DRP | 24190 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 72.93 | 23.17 | 147.22 | 64.50 | 49.29 | 74.06 | 17.47 | 20.59 | 21.88 | 24.42 | 57.23 | 59.57 | 88.77 | 73.97 | 71.09 | 30.81 | 67.97 | 181.74 | 169.64 | 58.39 | 118.86 | 76.48 | 35.29 | 47.40 | | | | | | | | | | | |
| | | 0.24 | 0.86 | -1.52 | 0.02 | 0.42 | 0.56 | 0.84 | 1.05 | 1.05 | 1.18 | 1.24 | 1.64 | 1.25 | 1.07 | -0.36 | 0.88 | 1.07 | 0.94 | 0.98 | 1.99 | 0.77 | 1.48 | 1.88 | 2.16 | | | | | | | | | | | |
| | | -68.42 | -7.67 | -177.51 | -63.97 | -41.13 | -62.80 | 0.00 | 0.00 | 0.00 | -2.03 | -34.37 | -29.95 | -66.02 | -53.77 | -78.11 | -14.26 | -48.92 | -165.32 | -152.43 | -23.49 | -105.73 | -49.78 | 0.00 | -7.08 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| ALBANY___1 | 23571 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 72.93 | 23.17 | 147.22 | 64.50 | 49.29 | 74.06 | 17.47 | 20.59 | 21.88 | 24.42 | 57.23 | 59.57 | 88.77 | 73.97 | 71.09 | 30.81 | 67.97 | 181.74 | 169.64 | 58.39 | 118.86 | 76.48 | 35.29 | 47.40 | | | | | | | | | | | |
| | | 0.24 | 0.86 | -1.52 | 0.02 | 0.42 | 0.56 | 0.84 | 1.05 | 1.05 | 1.18 | 1.24 | 1.64 | 1.25 | 1.07 | -0.36 | 0.88 | 1.07 | 0.94 | 0.98 | 1.99 | 0.77 | 1.48 | 1.88 | 2.16 | | | | | | | | | | | |
| | | -68.42 | -7.67 | -177.51 | -63.97 | -41.13 | -62.80 | 0.00 | 0.00 | 0.00 | -2.03 | -34.37 | -29.95 | -66.02 | -53.77 | -78.11 | -14.26 | -48.92 | -165.32 | -152.43 | -23.49 | -105.73 | -49.78 | 0.00 | -7.08 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| ALBANY___2 | 23572 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 72.93 | 23.17 | 147.22 | 64.50 | 49.29 | 74.06 | 17.47 | 20.59 | 21.88 | 24.42 | 57.23 | 59.57 | 88.77 | 73.97 | 71.09 | 30.81 | 67.97 | 181.74 | 169.64 | 58.39 | 118.86 | 76.48 | 35.29 | 47.40 | | | | | | | | | | | |
| | | 0.24 | 0.86 | -1.52 | 0.02 | 0.42 | 0.56 | 0.84 | 1.05 | 1.05 | 1.18 | 1.24 | 1.64 | 1.25 | 1.07 | -0.36 | 0.88 | 1.07 | 0.94 | 0.98 | 1.99 | 0.77 | 1.48 | 1.88 | 2.16 | | | | | | | | | | | |
| | | -68.42 | -7.67 | -177.51 | -63.97 | -41.13 | -62.80 | 0.00 | 0.00 | 0.00 | -2.03 | -34.37 | -29.95 | -66.02 | -53.77 | -78.11 | -14.26 | -48.92 | -165.32 | -152.43 | -23.49 | -105.73 | -49.78 | 0.00 | -7.08 | | | | | | | | | | | |
| | | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | | | | | | | | | | |
| ALBANY___3 | | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | | | | | | | | | | | |
| | | 72.93 | 23.17 | 147.22 | 64.50 | 49.29 | 74.06 | 17.47 | 20.59 | 21.88 | 24.42 | 57.23 | 59.57 | 88.77 | 73.97 | 71.09 | 30.81 | 67.97 | 181.74 | 169.64 | 58.39 | 118.86 | 76.48 | 35.29 | 47.40 | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|------------------------------|------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|
| 23573 | 0.24 -68.42 N | 0.86 -7.67 N | -1.52 -177.51 N | 0.02 -63.97 N | 0.42 -41.13 N | 0.56 -62.80 N | 0.84 0.00 N | 1.05 0.00 N | 1.05 0.00 N | 1.18 -2.03 N | 1.24 -34.37 N | 1.64 -29.95 N | 1.25 -66.02 N | 1.07 -53.77 N | -0.36 -78.11 N | 0.88 -14.26 N | 1.07 -48.92 N | 0.94 -165.32 N | 0.98 -152.43 N | 1.99 -23.49 N | 0.77 -105.73 N | 1.48 -49.78 N | 1.88 0.00 N | 2.16 -7.08 N |
| ALBANY____4 23574 | 72.93 0.24 -68.42 N | 23.17 0.86 -7.67 N | 147.22 -1.52 -177.51 N | 64.50 0.02 -63.97 N | 49.29 0.42 -41.13 N | 74.06 0.56 -62.80 N | 17.47 0.84 0.00 N | 20.59 1.05 0.00 N | 21.88 1.05 0.00 N | 24.42 1.18 -2.03 N | 57.23 1.24 -34.37 N | 59.57 1.64 -29.95 N | 88.77 1.25 -66.02 N | 73.97 1.07 -53.77 N | 71.09 -0.36 -78.11 N | 30.81 0.88 -14.26 N | 67.97 1.07 -48.92 N | 181.74 0.94 -165.32 N | 169.64 0.98 -152.43 N | 58.39 1.99 -23.49 N | 118.86 0.77 -105.73 N | 76.48 1.48 -49.78 N | 35.29 1.88 0.00 N | 47.40 2.16 -7.08 N |
| ALBANY____LFGE 323615 | 74.19 0.28 -69.64 N | 23.42 0.97 -7.81 N | 150.15 -1.77 -180.68 N | 65.64 0.03 -65.11 N | 50.09 0.49 -41.86 N | 75.28 0.65 -63.93 N | 17.61 0.97 0.00 N | 20.75 1.21 0.00 N | 22.05 1.22 0.00 N | 24.64 1.37 -2.06 N | 58.06 1.46 -34.99 N | 60.39 1.93 -30.49 N | 90.18 1.47 -67.20 N | 75.14 1.27 -54.74 N | 72.43 -0.43 -79.52 N | 31.21 1.04 -14.52 N | 69.04 1.27 -49.80 N | 184.88 1.12 -168.27 N | 172.56 1.18 -155.15 N | 59.19 2.36 -23.91 N | 120.87 0.90 -107.62 N | 77.62 1.73 -50.67 N | 35.62 2.21 0.00 N | 47.88 2.51 -7.21 N |
| ALCOA_RYNLDS____DRP 24188 | 4.21 -0.06 0.00 N | 14.44 -0.20 0.00 N | -28.63 0.13 0.00 N | 0.91 0.01 -0.39 N | 8.42 -0.11 -0.78 N | 11.46 -0.09 -0.86 N | 16.73 -0.10 -0.19 N | 19.24 -0.30 0.00 N | 20.67 -0.16 0.00 N | 20.85 -0.36 0.00 N | 21.10 -0.51 0.00 N | 27.25 -0.73 -0.56 N | 20.95 -0.42 0.00 N | 18.72 0.09 0.00 N | -6.56 0.00 0.00 N | 15.42 -0.24 0.00 N | 17.26 -0.72 0.00 N | 15.04 -0.44 0.00 N | 15.71 -0.52 0.00 N | 32.10 -0.82 0.00 N | 12.09 -0.27 0.00 N | 24.79 -0.68 -0.24 N | 32.89 -0.52 0.00 N | 37.81 -0.35 0.00 N |
| ALLEGHENY____COGEN 23514 | 13.43 -0.04 -9.20 N | 15.28 -0.38 -1.03 N | -4.13 0.76 -23.87 N | 9.07 -0.04 -8.60 N | 13.24 -0.04 -5.53 N | 18.95 -0.19 -8.45 N | 16.29 -0.34 0.00 N | 19.43 -0.11 0.00 N | 20.46 -0.37 0.00 N | 21.40 -0.08 -0.27 N | 26.17 -0.07 -4.62 N | 32.16 0.16 -4.03 N | 30.41 0.02 -8.88 N | 26.29 -0.09 -7.24 N | 3.97 0.11 -10.52 N | 17.36 -0.21 -1.92 N | 24.77 0.21 -6.58 N | 38.01 0.30 -22.23 N | 37.13 0.40 -20.50 N | 36.43 0.35 -3.16 N | 26.69 0.11 -14.22 N | 32.36 0.44 -6.70 N | 33.94 0.53 0.00 N | 39.59 0.48 -0.95 N |
| ALTONA_WT_PWR 323606 | 4.10 -0.17 0.00 N | 14.07 -0.56 0.00 N | -28.05 0.71 0.00 N | -15.70 -0.01 16.19 N | -24.95 -0.36 32.32 N | -25.52 -0.46 35.75 N | 7.89 -0.66 8.08 N | 18.76 -0.78 0.00 N | 20.44 -0.39 0.00 N | 20.77 -0.43 0.00 N | 20.93 -0.68 0.00 N | 26.66 -1.31 0.00 N | 20.43 -1.07 0.00 N | 18.31 -0.83 0.00 N | -6.40 0.25 0.00 N | 15.09 -0.57 0.00 N | 17.14 -0.84 0.00 N | 14.75 -0.73 0.00 N | 15.31 -0.92 0.00 N | 31.48 -1.44 0.00 N | 11.89 -0.47 0.00 N | 13.98 -1.32 9.91 N | 31.99 -1.42 0.00 N | 37.37 -0.79 0.00 N |
| AMERICAN_REF_FUEL 24010 | 12.12 -0.39 -8.24 N | 14.11 -1.45 -0.92 N | -4.94 2.45 -21.38 N | 8.14 -0.07 -7.70 N | 12.15 -0.54 -4.95 N | 17.34 -0.92 -7.56 N | 15.16 -1.47 0.00 N | 18.14 -1.41 0.00 N | 18.96 -1.87 0.00 N | 19.47 -1.98 -0.24 N | 23.46 -2.29 -4.14 N | 28.50 -3.08 -3.61 N | 26.95 -2.50 -7.96 N | 23.29 -2.33 -6.49 N | 3.55 0.79 -9.42 N | 15.38 -2.00 -1.72 N | 21.89 -1.98 -5.90 N | 33.70 -1.69 -19.91 N | 32.89 -1.69 -18.36 N | 31.76 -3.98 -2.83 N | 23.58 -1.52 -12.73 N | 29.05 -2.17 -6.00 N | 30.76 -2.65 0.00 N | 36.35 -2.66 -0.85 N |
| ARTHUR_KILL_GT_1 23520 | 58.51 0.34 -53.89 N | 22.01 1.34 -6.05 N | 108.88 -2.17 -139.81 N | 50.93 0.05 -50.38 N | 40.70 0.57 -32.39 N | 60.99 0.83 -49.47 N | 17.95 1.31 0.00 N | 21.15 1.61 0.00 N | 22.42 1.59 0.00 N | 24.47 1.67 -1.60 N | 50.48 1.80 -27.07 N | 54.01 2.45 -23.59 N | 75.40 1.86 -52.05 N | 63.29 1.70 -42.46 N | 145.08 -0.59 -152.32 N | 193.59 1.40 -176.53 N | 170.89 1.62 -151.29 N | 249.92 1.39 -233.04 N | 209.75 1.52 -192.00 N | 161.27 3.01 -125.35 N | 219.59 1.09 -206.14 N | 201.10 2.36 -173.52 N | 193.60 2.93 -157.25 N | 67.25 3.22 -25.88 N |
| ARTHUR_KILL_2 23512 | 58.51 0.34 -53.89 N | 22.01 1.34 -6.05 N | 108.88 -2.17 -139.81 N | 50.93 0.05 -50.38 N | 40.70 0.57 -32.39 N | 60.99 0.83 -49.47 N | 17.95 1.31 0.00 N | 21.15 1.61 0.00 N | 22.42 1.59 0.00 N | 24.47 1.67 -1.60 N | 50.48 1.80 -27.07 N | 54.01 2.45 -23.59 N | 75.40 1.86 -52.05 N | 63.29 1.70 -42.46 N | 145.08 -0.59 -152.32 N | 193.59 1.40 -176.53 N | 170.89 1.62 -151.29 N | 249.92 1.39 -233.04 N | 209.75 1.52 -192.00 N | 161.27 3.01 -125.35 N | 219.59 1.09 -206.14 N | 201.10 2.36 -173.52 N | 193.60 2.93 -157.25 N | 67.25 3.22 -25.88 N |
| ARTHUR_KILL_3 23513 | 58.50 0.34 -53.89 N | 22.07 1.39 -6.05 N | 108.72 -2.32 -139.81 N | 50.93 0.04 -50.38 N | 40.72 0.58 -32.39 N | 61.02 0.86 -49.47 N | 17.98 1.35 0.00 N | 21.23 1.69 0.00 N | 22.54 1.71 0.00 N | 24.54 1.73 -1.60 N | 50.53 1.85 -27.07 N | 54.08 2.52 -23.59 N | 75.45 1.90 -52.04 N | 63.31 1.73 -42.45 N | 145.04 -0.62 -152.31 N | 193.63 1.45 -176.52 N | 170.92 1.66 -151.28 N | 249.94 1.43 -233.03 N | 209.76 1.54 -191.99 N | 161.29 3.04 -125.34 N | 219.60 1.11 -206.13 N | 201.19 2.45 -173.51 N | 193.71 3.07 -157.23 N | 67.22 3.18 -25.87 N |
| ASHOKAN____ 23654 | 61.98 0.27 -57.43 N | 22.09 1.01 -6.44 N | 118.46 -1.79 -149.01 N | 54.23 0.03 -53.70 N | 42.73 0.46 -34.52 N | 64.05 0.63 -52.72 N | 17.59 0.95 0.00 N | 20.74 1.20 0.00 N | 22.05 1.22 0.00 N | 24.25 1.34 -1.70 N | 51.95 1.49 -28.85 N | 55.14 2.03 -25.14 N | 78.80 1.57 -55.72 N | 66.44 1.44 -45.87 N | 59.48 -0.49 -66.63 N | 28.99 1.17 -12.16 N | 60.59 1.38 -41.23 N | 155.52 1.26 -138.77 N | 145.58 1.40 -127.95 N | 55.52 2.88 -19.72 N | 102.18 1.07 -88.75 N | 69.13 2.11 -41.79 N | 36.07 2.66 0.00 N | 47.09 2.88 -6.04 N |
| ASTORIA_EAST_ENERGY_CC1 323581 | 58.56 0.41 -53.89 N | 22.13 1.46 -6.05 N | 108.70 -2.35 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.91 -49.47 N | 18.09 1.45 0.00 N | 21.32 1.77 0.00 N | 22.62 1.79 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.51 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.47 1.55 -11.26 N | 58.32 1.79 -38.56 N | 147.22 1.53 -130.21 N | 137.98 1.69 -120.06 N | 54.78 3.36 -18.50 N | 96.88 1.25 -83.27 N | 67.06 2.62 -39.21 N | 36.69 3.28 0.00 N | 47.20 3.45 -5.59 N |
| ASTORIA_EAST_ENERGY_CC2 323582 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.21 3.46 -5.59 N |
| ASTORIA_GT2_1 24094 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |

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|------------------------|------------------------------|-----------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|----------------------------|-----------------------------|
| ASTORIA_GT2_2 24095 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT2_3 24096 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT2_4 24097 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT3_1 24098 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT3_2 24099 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT3_3 24100 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT3_4 24101 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT4_1 24102 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT4_2 24103 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT4_3 24104 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT4_4 24105 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT_1 23523 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N |
| ASTORIA_GT_10 24110 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N |
| ASTORIA_GT_11 24225 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N |

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| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| ASTORIA_GT_12 24226 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N | |
| ASTORIA_GT_13 24227 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N | |
| ASTORIA_GT_5 24106 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N | |
| ASTORIA_GT_7 24107 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N | |
| ASTORIA_GT_8 24108 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N | |
| ASTORIA___2 24149 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N | |
| ASTORIA___3 23516 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N | |
| ASTORIA___4 23517 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N | |
| ASTORIA___5 23518 | 58.56 0.41 -53.89 N | 22.14 1.46 -6.05 N | 108.69 -2.36 -139.81 N | 50.96 0.07 -50.38 N | 40.76 0.62 -32.39 N | 61.08 0.92 -49.47 N | 18.09 1.46 0.00 N | 21.32 1.78 0.00 N | 22.63 1.80 0.00 N | 24.69 1.89 -1.60 N | 50.69 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.65 2.11 -52.05 N | 63.52 1.92 -42.46 N | 54.37 -0.65 -61.68 N | 28.48 1.56 -11.26 N | 58.33 1.79 -38.56 N | 147.24 1.54 -130.21 N | 137.99 1.69 -120.06 N | 54.79 3.37 -18.50 N | 96.88 1.25 -83.27 N | 67.07 2.63 -39.21 N | 36.70 3.29 0.00 N | 47.22 3.46 -5.59 N | |
| AST_ENERGY_2_CC3 323677 | 58.51 0.36 -53.89 N | 22.07 1.39 -6.05 N | 108.73 -2.31 -139.81 N | 50.93 0.04 -50.38 N | 40.73 0.60 -32.39 N | 61.02 0.86 -49.47 N | 17.99 1.36 0.00 N | 21.23 1.69 0.00 N | 22.54 1.72 0.00 N | 24.58 1.78 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.39 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.71 -38.56 N | 147.16 1.47 -130.21 N | 137.87 1.59 -120.06 N | 54.56 3.14 -18.50 N | 96.79 1.16 -83.27 N | 66.88 2.45 -39.21 N | 36.50 3.09 0.00 N | 47.03 3.27 -5.59 N | |
| AST_ENERGY_2_CC4 323678 | 58.51 0.36 -53.89 N | 22.07 1.39 -6.05 N | 108.73 -2.31 -139.81 N | 50.93 0.04 -50.38 N | 40.73 0.60 -32.39 N | 61.02 0.86 -49.47 N | 17.99 1.36 0.00 N | 21.23 1.69 0.00 N | 22.54 1.72 0.00 N | 24.58 1.78 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.39 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.71 -38.56 N | 147.16 1.47 -130.21 N | 137.87 1.59 -120.06 N | 54.56 3.14 -18.50 N | 96.79 1.16 -83.27 N | 66.88 2.45 -39.21 N | 36.50 3.09 0.00 N | 47.03 3.27 -5.59 N | |
| ATHENS_STG_1 23668 | 64.02 0.26 -59.49 N | 22.26 0.95 -6.67 N | 123.85 -1.72 -154.34 N | 56.15 0.03 -55.62 N | 43.97 0.46 -35.76 N | 65.94 0.63 -54.61 N | 17.55 0.92 0.00 N | 20.68 1.14 0.00 N | 21.96 1.13 0.00 N | 24.20 1.23 -1.76 N | 52.83 1.34 -29.89 N | 55.80 1.79 -26.05 N | 80.30 1.36 -57.44 N | 67.19 1.21 -46.84 N | 60.98 -0.41 -68.05 N | 29.05 0.96 -12.42 N | 61.67 1.14 -42.56 N | 160.21 0.99 -143.74 N | 149.83 1.06 -132.53 N | 55.47 2.13 -20.43 N | 105.08 0.79 -91.93 N | 70.12 1.61 -43.28 N | 35.47 2.06 0.00 N | 46.64 2.31 -6.17 N | |
| ATHENS_STG_2 23670 | 64.02 0.26 -59.49 N | 22.26 0.95 -6.67 N | 123.85 -1.72 -154.34 N | 56.15 0.03 -55.62 N | 43.97 0.46 -35.76 N | 65.94 0.63 -54.61 N | 17.55 0.92 0.00 N | 20.68 1.14 0.00 N | 21.96 1.13 0.00 N | 24.20 1.23 -1.76 N | 52.83 1.34 -29.89 N | 55.80 1.79 -26.05 N | 80.30 1.36 -57.44 N | 67.19 1.21 -46.84 N | 60.98 -0.41 -68.05 N | 29.05 0.96 -12.42 N | 61.67 1.14 -42.56 N | 160.21 0.99 -143.74 N | 149.83 1.06 -132.53 N | 55.47 2.13 -20.43 N | 105.08 0.79 -91.93 N | 70.12 1.61 -43.28 N | 35.47 2.06 0.00 N | 46.64 2.31 -6.17 N | |
| ATHENS_STG_3 | 64.02 | 22.26 | 123.85 | 56.15 | 43.97 | 65.94 | 17.55 | 20.68 | 21.96 | 24.20 | 52.83 | 55.80 | 80.30 | 67.19 | 60.98 | 29.05 | 61.67 | 160.21 | 149.83 | 55.47 | 105.08 | 70.12 | 35.47 | 46.64 | |

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|------------------------|--|--------------------------------|-----------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|-----------------------------|
| 23677 | | 0.26 -59.49 N | 0.95 -6.67 N | 0.72 -154.34 N | 0.03 -55.62 N | 0.46 -35.76 N | 0.63 -54.61 N | 0.92 0.00 N | 1.14 0.00 N | 1.13 0.00 N | 1.23 -1.76 N | 1.34 -29.89 N | 1.79 -26.05 N | 1.36 -57.44 N | 1.21 -46.84 N | -0.41 -68.05 N | 0.96 -12.42 N | 1.14 -42.56 N | 0.99 -143.74 N | 1.06 -132.53 N | 2.13 -20.43 N | 0.79 -91.93 N | 1.61 -43.28 N | 2.06 0.00 N | 2.31 -6.17 N |
| BARRETT_IC_1 23704 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_10 23701 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 220.79 1.66 -203.65 N | 217.63 1.82 -199.58 N | 217.80 3.60 -181.29 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_11 23702 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 220.79 1.66 -203.65 N | 217.63 1.82 -199.58 N | 217.80 3.60 -181.29 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_12 23703 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 220.79 1.66 -203.65 N | 217.63 1.82 -199.58 N | 217.80 3.60 -181.29 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_2 23705 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_3 23706 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_4 23707 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_5 23708 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_6 23709 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_7 23710 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_8 23711 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT_IC_9 23700 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 220.79 1.66 -203.65 N | 217.63 1.82 -199.58 N | 217.80 3.60 -181.29 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BARRETT____1 23545 | | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 276.57 1.66 -259.43 N | 239.62 1.82 -221.57 N | 276.55 3.60 -240.04 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |

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|-----------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|
| BARRETT___2 23546 | 120.82 0.45 -116.09 N | 22.60 1.92 -6.05 N | 107.91 -3.15 -139.83 N | 50.96 0.07 -50.39 N | 40.91 0.77 -32.40 N | 66.74 1.16 -54.88 N | 18.49 1.86 0.00 N | 21.84 2.30 0.00 N | 23.20 2.37 0.00 N | 25.05 2.24 -1.60 N | 85.00 2.34 -61.05 N | 314.78 3.09 -283.72 N | 190.91 2.31 -167.10 N | 76.92 2.08 -55.70 N | 190.38 -0.73 -197.77 N | 181.11 1.72 -163.73 N | 200.26 2.02 -180.27 N | 220.79 1.66 -203.65 N | 217.63 1.82 -199.58 N | 217.80 3.60 -181.29 N | 159.73 1.32 -146.05 N | 173.19 2.81 -145.15 N | 61.59 3.70 -24.48 N | 47.83 3.82 -5.85 N |
| BAYONEEC___CTG1 323682 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BAYONEEC___CTG2 323683 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BAYONEEC___CTG3 323684 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BAYONEEC___CTG4 323685 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BAYONEEC___CTG5 323686 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BAYONEEC___CTG6 323687 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BAYONEEC___CTG7 323688 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BAYONEEC___CTG8 323689 | 58.51 0.36 -53.89 N | 22.08 1.41 -6.05 N | 109.07 -1.98 -139.81 N | 50.90 0.01 -50.38 N | 40.77 0.63 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.17 1.63 0.00 N | 22.40 1.57 0.00 N | 24.43 1.63 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.38 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.72 -38.56 N | 147.17 1.48 -130.21 N | 137.87 1.58 -120.06 N | 54.32 2.91 -18.50 N | 96.63 1.00 -83.27 N | 66.59 2.15 -39.21 N | 36.14 2.74 0.00 N | 47.04 3.29 -5.59 N |
| BEACON___LESR 323632 | 72.78 0.31 -68.20 N | 23.29 1.01 -7.65 N | 146.41 -1.76 -176.93 N | 64.29 0.02 -63.76 N | 49.26 0.52 -41.00 N | 73.96 0.67 -62.60 N | 17.61 0.98 0.00 N | 20.77 1.23 0.00 N | 22.02 1.20 0.00 N | 24.70 1.47 -2.02 N | 57.40 1.53 -34.26 N | 59.83 2.00 -29.86 N | 88.87 1.56 -65.81 N | 74.07 1.34 -53.59 N | 70.70 -0.50 -77.86 N | 30.94 1.07 -14.21 N | 68.09 1.35 -48.76 N | 181.46 1.19 -164.78 N | 169.42 1.25 -151.94 N | 58.85 2.52 -23.42 N | 118.68 0.93 -105.39 N | 76.68 1.84 -49.62 N | 35.76 2.35 0.00 N | 47.85 2.63 -7.06 N |
| BEAVER RIVER___HYD 24048 | 4.31 0.04 0.00 N | 14.71 0.08 0.00 N | -28.90 -0.13 0.00 N | 1.53 0.00 -1.02 N | 9.83 0.05 -2.03 N | 12.99 0.04 -2.25 N | 17.19 0.05 -0.51 N | 19.55 0.01 0.00 N | 20.90 0.07 0.00 N | 21.37 0.17 0.00 N | 21.86 0.25 0.00 N | 28.36 0.39 0.00 N | 21.74 0.23 0.00 N | 19.31 0.17 0.00 N | -6.76 -0.10 0.00 N | 15.84 0.18 0.00 N | 18.06 0.08 0.00 N | 15.75 0.26 0.00 N | 16.52 0.29 0.00 N | 33.50 0.59 0.00 N | 12.61 0.25 0.00 N | 26.28 0.43 -0.62 N | 34.02 0.61 0.00 N | 38.82 0.67 0.00 N |
| BEEBEE_GT_13 23619 | 10.63 -0.14 -6.50 N | 14.82 -0.54 -0.73 N | -10.92 0.99 -16.86 N | 6.55 -0.03 -6.08 N | 11.47 -0.17 -3.91 N | 16.34 -0.32 -5.96 N | 16.12 -0.51 0.00 N | 19.18 -0.36 0.00 N | 20.25 -0.57 0.00 N | 20.87 -0.53 -0.19 N | 24.25 -0.63 -3.27 N | 30.23 -0.58 -2.85 N | 27.27 -0.51 -6.27 N | 23.71 0.20 -5.12 N | 0.98 0.43 -7.43 N | 16.47 -0.55 -1.36 N | 22.31 -0.32 -4.65 N | 31.00 -0.19 -15.70 N | 30.57 -0.14 -14.48 N | 34.38 -0.77 -2.23 N | 22.08 -0.32 -10.04 N | 29.66 -0.29 -4.73 N | 32.93 -0.48 0.00 N | 38.20 -0.63 -0.67 N |
| BETHLEHEM___GRP 23843 | 72.93 0.24 -68.42 N | 23.17 0.86 -7.67 N | 147.22 -1.52 -177.51 N | 64.50 0.02 -63.97 N | 49.29 0.42 -41.13 N | 74.06 0.56 -62.80 N | 17.47 0.84 0.00 N | 20.59 1.05 0.00 N | 21.88 1.05 0.00 N | 24.42 1.18 -2.03 N | 57.23 1.24 -34.37 N | 59.57 1.64 -29.95 N | 88.77 1.25 -66.02 N | 73.97 1.07 -53.77 N | 71.09 -0.36 -78.11 N | 30.81 0.88 -14.26 N | 67.97 1.07 -48.92 N | 181.74 0.94 -165.32 N | 169.64 0.98 -152.43 N | 58.39 1.99 -23.49 N | 118.86 0.77 -105.73 N | 76.48 1.48 -49.78 N | 35.29 1.88 0.00 N | 47.40 2.16 -7.08 N |
| BETHLEHEM___GS1 323560 | 72.93 0.24 -68.42 N | 23.17 0.86 -7.67 N | 147.22 -1.52 -177.51 N | 64.50 0.02 -63.97 N | 49.29 0.42 -41.13 N | 74.06 0.56 -62.80 N | 17.47 0.84 0.00 N | 20.59 1.05 0.00 N | 21.88 1.05 0.00 N | 24.42 1.18 -2.03 N | 57.23 1.24 -34.37 N | 59.57 1.64 -29.95 N | 88.77 1.25 -66.02 N | 73.97 1.07 -53.77 N | 71.09 -0.36 -78.11 N | 30.81 0.88 -14.26 N | 67.97 1.07 -48.92 N | 181.74 0.94 -165.32 N | 169.64 0.98 -152.43 N | 58.39 1.99 -23.49 N | 118.86 0.77 -105.73 N | 76.48 1.48 -49.78 N | 35.29 1.88 0.00 N | 47.40 2.16 -7.08 N |

| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
|-----------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|--------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|-----------------------------|------------------------------|---|
| BETHLEHEM__GS2 323561 | 72.93 0.24 -68.42 N | 23.17 0.86 -7.67 N | 147.22 -1.52 -177.51 N | 64.50 0.02 -63.97 N | 49.29 0.42 -41.13 N | 74.06 0.56 -62.80 N | 17.47 0.84 0.00 N | 20.59 1.05 0.00 N | 21.88 1.05 0.00 N | 24.42 1.18 -2.03 N | 57.23 1.24 -34.37 N | 59.57 1.64 -29.95 N | 88.77 1.25 -66.02 N | 73.97 1.07 -53.77 N | 71.09 -0.36 -78.11 N | 30.81 0.88 -14.26 N | 67.97 1.07 -48.92 N | 181.74 0.94 -165.32 N | 169.64 0.98 -152.43 N | 58.39 1.99 -23.49 N | 118.86 0.77 -105.73 N | 76.48 1.48 -49.78 N | 35.29 1.88 0.00 N | 47.40 2.16 -7.08 N | |
| BETHLEHEM__GS3 323562 | 72.93 0.24 -68.42 N | 23.17 0.86 -7.67 N | 147.22 -1.52 -177.51 N | 64.50 0.02 -63.97 N | 49.29 0.42 -41.13 N | 74.06 0.56 -62.80 N | 17.47 0.84 0.00 N | 20.59 1.05 0.00 N | 21.88 1.05 0.00 N | 24.42 1.18 -2.03 N | 57.23 1.24 -34.37 N | 59.57 1.64 -29.95 N | 88.77 1.25 -66.02 N | 73.97 1.07 -53.77 N | 71.09 -0.36 -78.11 N | 30.81 0.88 -14.26 N | 67.97 1.07 -48.92 N | 181.74 0.94 -165.32 N | 169.64 0.98 -152.43 N | 58.39 1.99 -23.49 N | 118.86 0.77 -105.73 N | 76.48 1.48 -49.78 N | 35.29 1.88 0.00 N | 47.40 2.16 -7.08 N | |
| BETHLEHEM__STEEL 23779 | 12.81 -0.30 -8.84 N | 14.34 -1.29 -0.99 N | -3.48 2.35 -22.94 N | 8.70 -0.07 -8.27 N | 12.62 -0.43 -5.31 N | 18.01 -0.80 -8.12 N | 15.31 -1.32 0.00 N | 18.29 -1.25 0.00 N | 19.09 -1.74 0.00 N | 19.96 -1.51 -0.26 N | 24.51 -1.54 -4.44 N | 29.74 -2.10 -3.87 N | 28.27 -1.77 -8.54 N | 24.41 -1.69 -6.96 N | 4.11 0.65 -10.11 N | 15.96 -1.54 -1.85 N | 22.95 -1.35 -6.32 N | 35.69 -1.16 -21.36 N | 34.81 -1.12 -19.70 N | 33.16 -2.80 -3.04 N | 24.97 -1.06 -13.66 N | 30.10 -1.56 -6.43 N | 31.57 -1.84 0.00 N | 37.18 -1.89 -0.92 N | |
| BETHPAGE_CC_5 323564 | 120.83 0.47 -116.09 N | 22.66 1.98 -6.05 N | 107.81 -3.25 -139.83 N | 50.96 0.07 -50.39 N | 40.93 0.79 -32.40 N | 66.77 1.19 -54.88 N | 18.51 1.88 0.00 N | 21.86 2.32 0.00 N | 23.22 2.39 0.00 N | 25.03 2.23 -1.60 N | 54.95 2.33 -31.01 N | 86.50 3.14 -55.39 N | 124.97 2.34 -101.13 N | 76.92 2.10 -55.69 N | 75.20 -0.73 -82.59 N | 46.32 1.71 -28.95 N | 91.08 2.00 -71.10 N | 161.41 1.70 -144.23 N | 156.31 1.86 -138.22 N | 111.37 3.66 -74.80 N | 115.98 1.36 -102.26 N | 79.93 2.85 -51.85 N | 40.03 3.75 -2.88 N | 47.60 3.82 -5.62 N | |
| BINGHAMTON__COGEN 23790 | 21.72 0.00 -17.45 N | 16.43 -0.16 -1.96 N | 16.95 0.44 -45.28 N | 16.81 -0.02 -16.32 N | 18.25 0.01 -10.49 N | 26.61 -0.11 -16.02 N | 16.35 -0.28 0.00 N | 19.31 -0.23 0.00 N | 20.39 -0.43 0.00 N | 21.64 -0.08 -0.52 N | 30.46 0.09 -8.77 N | 35.74 0.12 -7.64 N | 38.38 0.02 -16.85 N | 32.83 -0.04 -13.74 N | 13.42 0.12 -19.96 N | 19.15 -0.15 -3.64 N | 30.55 0.08 -12.48 N | 57.72 0.06 -42.17 N | 55.21 0.09 -38.88 N | 38.93 0.02 -5.99 N | 39.34 0.01 -26.97 N | 37.91 -0.02 -12.70 N | 33.50 0.09 0.00 N | 40.06 0.09 -1.81 N | |
| BLACK RIVER__HYD 24047 | 6.30 0.08 -1.95 N | 15.06 0.21 -0.33 N | -24.04 -0.33 -5.05 N | 3.04 0.00 -2.53 N | 10.46 0.13 -2.59 N | 14.20 0.15 -3.36 N | 17.21 0.23 -0.36 N | 19.80 0.26 0.00 N | 21.14 0.31 0.00 N | 21.75 0.49 -0.06 N | 23.23 0.64 -0.98 N | 29.74 0.91 -0.85 N | 24.03 0.64 -1.88 N | 21.19 0.52 -1.53 N | -4.62 -0.19 -2.23 N | 16.50 0.44 -0.41 N | 19.84 0.47 -1.39 N | 20.80 0.61 -4.71 N | 21.23 0.66 -4.34 N | 34.90 1.32 -0.67 N | 15.88 0.51 -3.01 N | 27.97 0.89 -1.85 N | 34.52 1.11 0.00 N | 39.48 1.12 -0.20 N | |
| BLISS_WT_PWR 323608 | 13.01 -0.34 -9.07 N | 14.08 -1.57 -1.02 N | -2.25 2.97 -23.54 N | 8.85 -0.14 -8.48 N | 12.93 -0.26 -5.45 N | 18.41 -0.61 -8.33 N | 15.60 -1.03 0.00 N | 18.75 -0.80 0.00 N | 19.47 -1.36 0.00 N | 20.75 -0.72 -0.27 N | 25.72 -0.45 -4.56 N | 31.24 -0.71 -3.97 N | 29.47 -0.79 -8.76 N | 25.45 -0.83 -7.15 N | 4.10 0.37 -10.38 N | 16.81 -0.75 -1.90 N | 24.21 -0.26 -6.49 N | 37.22 -0.19 -21.93 N | 36.29 -0.16 -20.22 N | 35.05 -0.98 -3.12 N | 26.02 -0.36 -14.02 N | 31.43 -0.40 -6.60 N | 32.95 -0.47 0.00 N | 38.68 -0.43 -0.94 N | |
| BLUE_CIRC_CHEM_DRP 24182 | 72.11 0.23 -67.61 N | 23.07 0.85 -7.58 N | 145.11 -1.54 -175.41 N | 63.74 0.02 -63.21 N | 48.81 0.43 -40.64 N | 73.33 0.57 -62.06 N | 17.46 0.83 0.00 N | 20.57 1.03 0.00 N | 21.84 1.02 0.00 N | 24.33 1.12 -2.00 N | 56.79 1.21 -33.97 N | 59.18 1.60 -29.60 N | 87.96 1.22 -65.24 N | 73.32 1.05 -53.13 N | 70.17 -0.36 -77.19 N | 30.59 0.84 -14.09 N | 67.35 1.03 -48.34 N | 179.75 0.90 -163.37 N | 167.81 0.95 -150.63 N | 58.04 1.91 -23.22 N | 117.56 0.72 -104.48 N | 75.86 1.44 -49.20 N | 35.24 1.83 0.00 N | 47.21 2.05 -7.00 N | |
| BOC_GAS_DRP 24189 | 72.78 0.21 -68.30 N | 23.05 0.75 -7.66 N | 147.07 -1.37 -177.21 N | 64.39 0.02 -63.86 N | 49.18 0.38 -41.06 N | 73.90 0.51 -62.70 N | 17.36 0.73 0.00 N | 20.43 0.89 0.00 N | 21.71 0.88 0.00 N | 24.21 0.98 -2.03 N | 56.99 1.06 -34.32 N | 59.29 1.42 -29.90 N | 88.48 1.07 -65.90 N | 73.72 0.92 -53.67 N | 70.99 -0.31 -77.96 N | 30.63 0.73 -14.23 N | 67.70 0.89 -48.83 N | 181.31 0.79 -165.04 N | 169.23 0.83 -152.17 N | 58.04 1.68 -23.46 N | 118.54 0.63 -105.55 N | 76.18 1.26 -49.70 N | 35.02 1.61 0.00 N | 47.04 1.81 -7.07 N | |
| BORALEX_4TH_BRANCH 23824 | 73.31 0.40 -68.64 N | 23.63 1.30 -7.70 N | 146.75 -2.56 -178.07 N | 64.72 0.04 -64.17 N | 49.69 0.69 -41.26 N | 74.61 0.90 -63.01 N | 17.94 1.31 0.00 N | 21.16 1.62 0.00 N | 22.44 1.61 0.00 N | 25.08 1.84 -2.04 N | 58.10 2.01 -34.48 N | 60.64 2.62 -30.05 N | 89.79 2.05 -66.25 N | 74.88 1.77 -53.97 N | 71.14 -0.60 -78.40 N | 31.34 1.37 -14.32 N | 68.70 1.63 -49.08 N | 182.78 1.45 -165.85 N | 170.66 1.51 -152.92 N | 59.51 3.03 -23.57 N | 119.55 1.13 -106.07 N | 77.39 2.23 -49.94 N | 36.35 2.95 0.00 N | 48.77 3.50 -7.11 N | |
| BOWLINE__1 23526 | 57.18 0.30 -52.61 N | 21.69 1.16 -5.90 N | 105.73 -2.00 -136.50 N | 49.73 0.03 -49.19 N | 39.89 0.52 -31.63 N | 59.73 0.74 -48.30 N | 17.79 1.16 0.00 N | 20.99 1.44 0.00 N | 22.27 1.44 0.00 N | 24.27 1.51 -1.56 N | 49.68 1.64 -26.43 N | 53.24 2.24 -23.03 N | 73.98 1.66 -50.81 N | 62.08 1.50 -41.45 N | 53.03 -0.53 -60.22 N | 27.95 1.30 -10.99 N | 57.11 1.49 -37.64 N | 143.86 1.25 -127.12 N | 134.79 1.34 -117.21 N | 53.66 2.68 -18.07 N | 94.64 0.98 -81.30 N | 65.53 2.03 -38.28 N | 35.97 2.56 0.00 N | 46.40 2.78 -5.46 N | |
| BOWLINE__2 23595 | 57.19 0.30 -52.62 N | 21.72 1.19 -5.90 N | 105.70 -2.05 -136.51 N | 49.73 0.04 -49.19 N | 39.90 0.53 -31.63 N | 59.75 0.76 -48.30 N | 17.81 1.18 0.00 N | 21.02 1.48 0.00 N | 22.30 1.47 0.00 N | 24.31 1.55 -1.56 N | 49.72 1.67 -26.43 N | 53.28 2.27 -23.04 N | 74.00 1.69 -50.82 N | 62.12 1.53 -41.45 N | 53.02 -0.55 -60.23 N | 27.97 1.31 -11.00 N | 57.13 1.50 -37.65 N | 143.89 1.27 -127.13 N | 134.83 1.37 -117.22 N | 53.70 2.72 -18.07 N | 94.67 1.00 -81.31 N | 65.56 2.06 -38.28 N | 36.00 2.59 0.00 N | 46.44 2.82 -5.46 N | |
| BROOKHAVEN__DRP 24191 | 120.89 0.53 -116.09 N | 22.87 2.18 -6.05 N | 107.54 -3.53 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.76 2.13 0.00 N | 22.18 2.64 0.00 N | 23.58 2.55 0.00 N | 25.35 2.56 -1.60 N | 52.66 2.56 -36.22 N | 67.73 3.54 -95.59 N | 119.69 2.60 -55.69 N | 77.11 2.29 -72.92 N | 65.50 -0.76 -17.63 N | 35.11 1.81 -61.94 N | 82.06 2.15 -135.45 N | 152.75 1.82 -131.57 N | 149.77 1.96 -61.86 N | 98.54 3.76 -98.59 N | 112.35 1.40 -44.02 N | 72.11 2.86 -1.07 N | 38.16 3.69 -5.60 N | 47.56 3.80 N | |
| BROOKLYN_NAVY_YARD | 58.52 | 22.10 | 108.66 | 50.92 | 40.75 | 61.04 | 18.02 | 21.27 | 22.59 | 24.63 | 50.63 | 54.21 | 75.55 | 63.41 | 54.37 | 28.44 | 58.29 | 147.20 | 137.93 | 54.65 | 96.82 | 66.96 | 36.62 | 47.15 | |

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| 23515 | 0.37 -53.89 N | 1.43 -6.05 N | -2.38 -139.81 N | 0.04 -50.38 N | 0.61 -32.39 N | 0.88 -49.47 N | 1.39 0.00 N | 1.73 0.00 N | 1.76 0.00 N | 1.82 -1.60 N | 1.95 -27.07 N | 2.65 -23.59 N | 2.01 -52.04 N | 1.82 -42.45 N | -0.65 -61.68 N | 1.52 -11.26 N | 1.76 -38.56 N | 1.51 -130.21 N | 1.64 -120.06 N | 3.24 -18.50 N | 1.19 -83.27 N | 2.52 -39.21 N | 3.21 0.00 N | 3.40 -5.59 N |
| BROOKLYN___ARMY_DRP 323595 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| BROOME___LFGF 323600 | 21.72 0.00 -17.45 N | 16.43 -0.16 -1.96 N | 16.95 0.44 -45.28 N | 16.81 -0.02 -16.32 N | 18.25 0.01 -10.49 N | 26.61 -0.11 -16.02 N | 16.35 -0.28 0.00 N | 19.31 -0.23 0.00 N | 20.39 -0.43 0.00 N | 21.64 -0.08 -0.52 N | 30.46 0.09 -8.77 N | 35.74 0.12 -7.64 N | 38.38 0.02 -16.85 N | 32.83 -0.04 -13.74 N | 13.42 0.12 -19.96 N | 19.15 -0.15 -3.64 N | 30.55 0.08 -12.48 N | 57.72 0.06 -42.17 N | 55.21 0.09 -38.88 N | 38.93 0.02 -5.99 N | 39.34 0.01 -26.97 N | 37.91 -0.02 -12.70 N | 33.50 0.09 0.00 N | 40.06 0.09 -1.81 N |
| BURROWS___LYONSDAL 23803 | 4.30 0.04 0.00 N | 14.71 0.08 0.00 N | -28.87 -0.11 0.00 N | 1.02 0.00 -0.52 N | 8.82 0.05 -1.03 N | 11.88 0.05 -1.14 N | 16.95 0.07 -0.26 N | 19.63 0.09 0.00 N | 20.95 0.12 0.00 N | 21.44 0.23 0.00 N | 21.93 0.31 0.00 N | 28.41 0.44 0.00 N | 21.80 0.30 0.00 N | 19.37 0.24 0.00 N | -6.75 -0.10 0.00 N | 15.86 0.20 0.00 N | 18.21 0.23 0.00 N | 15.80 0.31 0.00 N | 16.57 0.34 0.00 N | 33.57 0.66 0.00 N | 12.60 0.24 0.00 N | 25.98 0.44 -0.31 N | 33.97 0.56 0.00 N | 38.73 0.57 0.00 N |
| CAITHNESS_CC_1 323624 | 120.88 0.52 -116.09 N | 22.83 2.15 -6.05 N | 107.58 -3.48 -139.83 N | 50.97 0.08 -50.39 N | 41.03 0.89 -32.40 N | 66.89 1.31 -54.88 N | 18.73 2.10 0.00 N | 22.14 2.60 0.00 N | 23.53 2.70 0.00 N | 25.31 2.51 -1.60 N | 52.63 2.54 -28.48 N | 67.59 3.49 -36.12 N | 119.63 2.56 -95.69 N | 77.09 2.27 -55.69 N | 65.45 -0.76 -72.87 N | 35.04 1.80 -17.58 N | 82.01 2.14 -61.89 N | 152.69 1.80 -135.41 N | 149.72 1.95 -131.54 N | 98.48 3.77 -61.80 N | 112.33 1.41 -98.57 N | 72.08 2.88 -43.98 N | 38.18 3.72 -1.06 N | 47.57 3.81 -5.60 N |
| CALPINE BETH_PAGE_GT4 24209 | 120.83 0.46 -116.09 N | 22.64 1.96 -6.05 N | 107.84 -3.23 -139.83 N | 50.96 0.07 -50.39 N | 40.93 0.79 -32.40 N | 66.76 1.18 -54.88 N | 18.46 1.83 0.00 N | 21.80 2.26 0.00 N | 23.13 2.31 0.00 N | 24.95 2.14 -1.60 N | 56.02 2.26 -32.15 N | 95.02 3.04 -64.01 N | 127.39 2.26 -103.62 N | 76.86 2.04 -55.69 N | 79.57 -0.71 -86.94 N | 51.36 1.66 -34.04 N | 95.15 1.95 -75.22 N | 165.28 1.65 -148.15 N | 159.24 1.81 -141.20 N | 117.07 3.57 -80.58 N | 117.60 1.32 -103.92 N | 83.38 2.78 -55.37 N | 40.79 3.69 -3.69 N | 47.54 3.75 -5.63 N |
| CALPINE_BETH_PAGE_GT_4 323586 | 120.83 0.46 -116.09 N | 22.64 1.96 -6.05 N | 107.84 -3.23 -139.83 N | 50.96 0.07 -50.39 N | 40.93 0.79 -32.40 N | 66.76 1.18 -54.88 N | 18.46 1.83 0.00 N | 21.80 2.26 0.00 N | 23.13 2.31 0.00 N | 24.95 2.14 -1.60 N | 56.02 2.26 -32.15 N | 95.02 3.04 -64.01 N | 127.39 2.26 -103.62 N | 76.86 2.04 -55.69 N | 79.57 -0.71 -86.94 N | 51.36 1.66 -34.04 N | 95.15 1.95 -75.22 N | 165.28 1.65 -148.15 N | 159.24 1.81 -141.20 N | 117.07 3.57 -80.58 N | 117.60 1.32 -103.92 N | 83.38 2.78 -55.37 N | 40.79 3.69 -3.69 N | 47.54 3.75 -5.63 N |
| CALPINE_BP_GT1 23823 | 120.83 0.46 -116.09 N | 22.64 1.96 -6.05 N | 107.84 -3.23 -139.83 N | 50.96 0.07 -50.39 N | 40.93 0.79 -32.40 N | 66.76 1.18 -54.88 N | 18.46 1.83 0.00 N | 21.80 2.26 0.00 N | 23.13 2.31 0.00 N | 24.95 2.14 -1.60 N | 56.02 2.26 -32.15 N | 95.02 3.04 -64.01 N | 127.39 2.26 -103.62 N | 76.86 2.04 -55.69 N | 79.57 -0.71 -86.94 N | 51.36 1.66 -34.04 N | 95.15 1.95 -75.22 N | 165.28 1.65 -148.15 N | 159.24 1.81 -141.20 N | 117.07 3.57 -80.58 N | 117.60 1.32 -103.92 N | 83.38 2.78 -55.37 N | 40.79 3.69 -3.69 N | 47.54 3.75 -5.63 N |
| CALSPAN___DRP 24200 | 12.81 -0.30 -8.84 N | 14.34 -1.29 -0.99 N | -3.48 2.35 -22.94 N | 8.70 -0.07 -8.27 N | 12.62 -0.43 -5.31 N | 18.01 -0.80 -8.12 N | 15.31 -1.32 0.00 N | 18.29 -1.25 0.00 N | 19.09 -1.74 0.00 N | 19.96 -1.51 -0.26 N | 24.51 -1.54 -4.44 N | 29.74 -2.10 -3.87 N | 28.27 -1.77 -8.54 N | 24.41 -1.69 -6.96 N | 4.11 0.65 -10.11 N | 15.96 -1.54 -1.85 N | 22.95 -1.35 -6.32 N | 35.69 -1.16 -21.36 N | 34.81 -1.12 -19.70 N | 33.16 -3.04 -3.04 N | 24.97 -1.06 -13.66 N | 30.10 -1.56 -6.43 N | 31.57 -1.84 0.00 N | 37.18 -1.89 -0.92 N |
| CANDIGU_WT_PWR 323617 | 15.87 -0.16 -11.77 N | 15.05 -0.90 -1.32 N | 3.58 1.82 -30.52 N | 11.45 -0.05 -11.00 N | 14.59 -0.23 -7.07 N | 20.96 -0.54 -10.80 N | 15.67 -0.96 0.00 N | 18.64 -0.91 0.00 N | 19.54 -1.29 0.00 N | 20.77 -0.78 -0.35 N | 26.91 -0.62 -5.91 N | 32.33 -0.80 -5.15 N | 32.11 -0.75 -11.36 N | 27.64 -0.76 -9.26 N | 7.22 0.42 -13.45 N | 17.31 -0.81 -2.46 N | 25.94 -0.46 -8.42 N | 43.51 -0.40 -28.43 N | 42.10 -0.34 -26.21 N | 35.87 -1.08 -4.04 N | 30.12 -0.42 -18.18 N | 33.03 -0.76 -8.56 N | 32.66 -0.75 0.00 N | 38.55 -0.83 -1.22 N |
| CARR STREET_E__SYR 24060 | 8.66 -0.07 -4.46 N | 14.83 -0.31 -0.50 N | -16.54 0.65 -11.57 N | 4.66 -0.02 -4.17 N | 10.30 -0.13 -2.68 N | 14.57 -0.22 -4.09 N | 16.25 -0.38 0.00 N | 19.17 -0.37 0.00 N | 20.36 -0.47 0.00 N | 21.00 -0.33 -0.13 N | 23.57 -0.28 -2.24 N | 29.56 -0.36 -1.95 N | 25.51 -0.29 -4.31 N | 22.36 -0.28 -3.51 N | -1.44 0.12 -5.10 N | 16.31 -0.28 -0.93 N | 20.99 -0.18 -3.19 N | 26.12 -0.14 -10.78 N | 26.03 -0.14 -9.94 N | 34.02 -0.43 -1.53 N | 19.08 -0.17 -6.89 N | 28.16 -0.31 -3.25 N | 32.93 -0.48 0.00 N | 38.01 -0.61 -0.46 N |
| CARTHAGE___PAPER 23857 | 5.99 0.07 -1.65 N | 14.99 0.17 -0.18 N | -24.78 -0.28 -4.27 N | 2.85 0.00 -2.34 N | 10.43 0.10 -2.58 N | 14.09 0.12 -3.27 N | 17.20 0.17 -0.40 N | 19.72 0.18 0.00 N | 21.07 0.24 0.00 N | 21.63 0.38 -0.05 N | 22.94 0.51 -0.83 N | 29.42 0.73 -0.72 N | 23.59 0.50 -1.59 N | 20.83 0.40 -1.30 N | -4.93 -0.16 -1.88 N | 16.36 0.36 -0.34 N | 19.48 0.33 -1.18 N | 19.95 0.48 -3.98 N | 20.42 0.52 -3.67 N | 34.54 1.06 -0.57 N | 15.32 0.42 -2.55 N | 27.64 0.73 -1.69 N | 34.35 0.94 0.00 N | 39.31 0.98 -0.17 N |
| CE_DUNWOOD___DRP 24194 | 58.41 0.34 -53.80 N | 21.97 1.31 -6.03 N | 108.56 -2.26 -139.58 N | 50.84 0.04 -50.30 N | 40.67 0.58 -32.34 N | 60.91 0.83 -49.39 N | 17.93 1.30 0.00 N | 21.15 1.61 0.00 N | 22.45 1.62 0.00 N | 24.50 1.70 -1.60 N | 50.47 1.83 -27.03 N | 54.01 2.48 -23.55 N | 75.34 1.87 -51.96 N | 63.22 1.70 -42.39 N | 54.32 -0.59 -61.57 N | 28.31 1.41 -11.24 N | 58.10 1.63 -38.49 N | 146.88 1.41 -129.99 N | 137.60 1.52 -119.86 N | 54.40 3.01 -18.47 N | 96.61 1.11 -83.14 N | 66.67 2.30 -39.14 N | 36.30 2.90 0.00 N | 46.85 3.11 -5.58 N |
| CE_MILLWOOD___DRP 24193 | 58.24 0.33 -53.64 N | 21.91 1.26 -6.02 N | 108.23 -2.17 -139.16 N | 50.69 0.04 -50.15 N | 40.55 0.57 -32.24 N | 60.74 0.80 -49.24 N | 17.88 1.25 0.00 N | 21.10 1.56 0.00 N | 22.40 1.57 0.00 N | 24.44 1.65 -1.59 N | 50.33 1.77 -26.95 N | 53.86 2.40 -23.48 N | 75.12 1.81 -51.80 N | 63.03 1.63 -42.26 N | 54.16 -0.58 -61.39 N | 28.24 1.37 -11.21 N | 57.94 1.58 -38.38 N | 146.45 1.36 -129.61 N | 137.20 1.46 -119.50 N | 54.25 2.91 -18.42 N | 96.32 1.07 -82.89 N | 66.47 2.22 -39.03 N | 36.21 2.80 0.00 N | 46.74 3.02 -5.57 N |

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| CE_NYC2_DRP 24202 | 58.54 0.38 -53.89 N | 22.12 1.45 -6.05 N | 108.65 -2.40 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.07 0.91 -49.47 N | 18.06 1.43 0.00 N | 21.31 1.76 0.00 N | 22.62 1.79 0.00 N | 24.67 1.87 -1.60 N | 50.70 2.01 -27.07 N | 54.31 2.74 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.35 1.81 -38.56 N | 147.25 1.55 -130.21 N | 137.97 1.68 -120.06 N | 54.76 3.34 -18.50 N | 96.87 1.23 -83.27 N | 67.03 2.59 -39.21 N | 36.67 3.26 0.00 N | 47.18 3.43 -5.59 N |
| CE_NYC_DRP 24195 | 58.52 0.36 -53.89 N | 22.09 1.41 -6.05 N | 108.67 -2.37 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.46 N | 18.01 1.38 0.00 N | 21.26 1.72 0.00 N | 22.57 1.74 0.00 N | 24.61 1.81 -1.60 N | 50.63 1.95 -27.07 N | 54.20 2.63 -23.59 N | 75.55 2.00 -52.04 N | 63.40 1.82 -42.45 N | 54.37 -0.65 -61.68 N | 28.44 1.52 -11.26 N | 58.28 1.74 -38.56 N | 147.19 1.50 -130.20 N | 137.91 1.62 -120.05 N | 54.62 3.20 -18.50 N | 96.81 1.18 -83.27 N | 66.93 2.50 -39.21 N | 36.56 3.15 0.00 N | 47.09 3.34 -5.59 N |
| CHAFFEE___LFGE 323603 | 13.01 -0.21 -8.95 N | 14.58 -1.06 -1.00 N | -3.54 1.99 -23.23 N | 8.81 -0.07 -8.37 N | 12.84 -0.29 -5.38 N | 18.30 -0.62 -8.22 N | 15.58 -1.06 0.00 N | 18.64 -0.91 0.00 N | 19.43 -1.40 0.00 N | 20.51 -0.96 -0.27 N | 25.27 -0.83 -4.50 N | 30.68 -1.21 -3.92 N | 29.05 -1.10 -8.65 N | 25.08 -1.11 -7.05 N | 4.07 0.48 -10.24 N | 16.45 -1.08 -1.87 N | 23.63 -0.75 -6.41 N | 36.53 -0.59 -21.63 N | 35.67 -0.51 -19.95 N | 34.44 -1.54 -3.08 N | 25.60 -0.60 -13.83 N | 30.99 -0.75 -6.52 N | 32.58 -0.83 0.00 N | 38.22 -0.87 -0.93 N |
| CHATEAUG_WT_PWR 323614 | 4.08 -0.19 0.00 N | 14.02 -0.61 0.00 N | -27.94 0.82 0.00 N | -15.65 -0.01 16.14 N | -24.87 -0.39 32.23 N | -25.42 -0.48 35.64 N | 7.92 -0.65 8.06 N | 18.78 -0.76 0.00 N | 20.43 -0.40 0.00 N | 20.74 -0.47 0.00 N | 20.87 -0.74 0.00 N | 26.61 -1.36 0.00 N | 20.44 -1.06 0.00 N | 18.31 -0.82 0.00 N | -6.40 0.25 0.00 N | 15.08 -0.58 0.00 N | 17.12 -0.86 0.00 N | 14.75 -0.74 0.00 N | 15.33 -0.90 0.00 N | 31.50 -1.41 0.00 N | 11.88 -0.47 0.00 N | 13.97 -1.37 9.88 N | 31.92 -1.49 0.00 N | 37.22 -0.94 0.00 N |
| CHAT_HIGH_FALL_HYD 323578 | 4.12 -0.15 0.00 N | 14.14 -0.49 0.00 N | -28.16 0.60 0.00 N | -16.94 -0.01 17.44 N | -27.39 -0.31 34.82 N | -28.18 -0.37 38.51 N | 7.42 -0.50 8.70 N | 18.92 -0.62 0.00 N | 20.55 -0.28 0.00 N | 20.83 -0.37 0.00 N | 20.99 -0.62 0.00 N | 26.82 -1.15 0.00 N | 20.60 -0.90 0.00 N | 18.44 -0.70 0.00 N | -6.46 0.20 0.00 N | 15.19 -0.46 0.00 N | 17.23 -0.76 0.00 N | 14.85 -0.63 0.00 N | 15.45 -0.78 0.00 N | 31.74 -1.17 0.00 N | 11.97 -0.39 0.00 N | 13.42 -1.12 10.68 N | 32.21 -1.20 0.00 N | 37.44 -0.72 0.00 N |
| CHAUTAUQUA___LFGE 323629 | 13.38 -0.26 -9.37 N | 14.33 -1.35 -1.05 N | -1.77 2.69 -24.31 N | 9.19 -0.07 -8.76 N | 12.97 -0.40 -5.63 N | 18.42 -0.87 -8.60 N | 15.09 -1.54 0.00 N | 18.00 -1.54 0.00 N | 18.68 -2.15 0.00 N | 20.04 -1.45 -0.28 N | 25.09 -1.22 -4.71 N | 30.37 -1.70 -4.10 N | 29.05 -1.50 -9.05 N | 25.03 -1.48 -7.38 N | 4.79 0.73 -10.72 N | 16.11 -1.50 -1.96 N | 23.53 -1.15 -6.70 N | 37.09 -1.03 -22.64 N | 36.12 -0.98 -20.87 N | 33.64 -2.49 -3.22 N | 25.90 -0.93 -14.48 N | 30.40 -1.64 -6.82 N | 31.65 -1.76 0.00 N | 37.27 -1.86 -0.97 N |
| CH_MIDHUDSON___DRP 24192 | 61.53 0.35 -56.91 N | 22.31 1.29 -6.38 N | 116.60 -2.28 -147.64 N | 53.75 0.04 -53.20 N | 42.55 0.60 -34.21 N | 63.78 0.84 -52.24 N | 17.92 1.30 0.00 N | 21.15 1.61 0.00 N | 22.46 1.63 0.00 N | 24.62 1.73 -1.69 N | 52.08 1.88 -28.59 N | 55.41 2.52 -24.91 N | 78.41 1.92 -54.99 N | 65.76 1.73 -44.91 N | 57.98 -0.60 -65.23 N | 28.99 1.42 -11.91 N | 60.37 1.66 -40.73 N | 154.44 1.45 -137.50 N | 144.57 1.56 -126.78 N | 55.56 3.10 -19.54 N | 101.45 1.15 -87.94 N | 68.96 2.33 -41.41 N | 36.37 2.96 0.00 N | 47.30 3.22 -5.91 N |
| CH_MISC_IPPS 23765 | 59.47 0.36 -54.84 N | 22.13 1.34 -6.15 N | 111.13 -2.37 -142.27 N | 51.81 0.04 -51.27 N | 41.33 0.63 -32.96 N | 61.91 0.88 -50.33 N | 17.98 1.35 0.00 N | 21.22 1.68 0.00 N | 22.53 1.70 0.00 N | 24.64 1.81 -1.63 N | 51.12 1.97 -27.55 N | 54.62 2.64 -24.01 N | 76.49 2.01 -52.98 N | 64.19 1.81 -43.25 N | 55.55 -0.62 -62.83 N | 28.62 1.49 -11.47 N | 58.98 1.75 -39.24 N | 149.51 1.54 -132.49 N | 140.03 1.64 -122.17 N | 55.02 3.27 -18.83 N | 98.31 3.27 -84.74 N | 67.57 2.45 -39.90 N | 36.52 3.11 0.00 N | 47.22 3.36 -5.70 N |
| CH_RES_BVR_FALLS 23983 | 1.34 -0.08 2.85 N | 14.02 -0.29 0.32 N | -35.71 0.43 7.38 N | -2.17 -0.01 2.66 N | 5.91 -0.12 1.71 N | 7.94 -0.14 2.61 N | 16.43 -0.20 0.00 N | 19.37 -0.17 0.00 N | 20.72 -0.11 0.00 N | 20.96 -0.16 0.08 N | 19.98 -0.20 1.43 N | 26.44 -0.28 1.25 N | 18.54 -0.21 2.75 N | 16.70 -0.19 2.25 N | -9.87 0.05 3.27 N | 14.94 -0.12 0.60 N | 15.71 -0.23 2.04 N | 8.40 -0.20 6.88 N | 9.61 -0.28 6.34 N | 31.37 -0.57 0.98 N | 7.75 -0.21 4.40 N | 22.71 -0.44 2.07 N | 32.93 -0.48 0.00 N | 37.49 -0.37 0.30 N |
| CH_RES_NIAGARA 23895 | 12.12 -0.39 -8.24 N | 14.11 -1.45 -0.92 N | -4.94 2.45 -21.38 N | 8.14 -0.07 -7.70 N | 12.15 -0.54 -4.95 N | 17.34 -0.92 -7.56 N | 15.16 -1.47 0.00 N | 18.14 -1.41 0.00 N | 18.96 -1.87 0.00 N | 19.47 -1.98 -0.24 N | 23.46 -2.29 -4.14 N | 28.50 -3.08 -3.61 N | 26.95 -2.50 -7.96 N | 23.29 -2.33 -6.49 N | 3.55 0.79 -9.42 N | 15.38 -2.00 -1.72 N | 21.89 -1.98 -5.90 N | 33.70 -1.69 -19.91 N | 32.89 -1.69 -18.36 N | 31.76 -3.98 -2.83 N | 23.58 -1.52 -12.73 N | 29.05 -2.17 -6.00 N | 30.76 -2.65 0.00 N | 36.35 -2.66 -0.85 N |
| CH_RES_SYRACUSE 23985 | 9.38 -0.06 -5.17 N | 14.96 -0.26 -0.58 N | -14.80 0.56 -13.40 N | 5.32 -0.02 -4.83 N | 10.75 -0.10 -3.11 N | 15.25 -0.18 -4.74 N | 16.31 -0.32 0.00 N | 19.26 -0.28 0.00 N | 20.45 -0.37 0.00 N | 21.11 -0.25 -0.15 N | 24.01 -0.19 -2.60 N | 29.99 -0.24 -2.26 N | 26.29 -0.20 -4.99 N | 22.99 -0.21 -4.07 N | -0.66 0.09 -5.91 N | 16.52 -0.21 -1.08 N | 21.57 -0.10 -3.70 N | 27.89 -0.07 -12.48 N | 27.66 -0.08 -11.51 N | 34.37 -0.32 -1.77 N | 20.21 -0.12 -7.98 N | 28.75 -0.23 -3.76 N | 33.03 -0.38 0.00 N | 38.19 -0.51 -0.54 N |
| CLINTON_WT_PWR 323605 | 4.08 -0.19 0.00 N | 14.02 -0.61 0.00 N | -27.94 0.82 0.00 N | -15.65 -0.01 16.14 N | -24.87 -0.39 32.23 N | -25.42 -0.48 35.64 N | 7.92 -0.65 8.06 N | 18.78 -0.76 0.00 N | 20.43 -0.40 0.00 N | 20.74 -0.47 0.00 N | 20.87 -0.74 0.00 N | 26.61 -1.36 0.00 N | 20.44 -1.06 0.00 N | 18.31 -0.82 0.00 N | -6.40 0.25 0.00 N | 15.08 -0.58 0.00 N | 17.12 -0.86 0.00 N | 14.75 -0.74 0.00 N | 15.33 -0.90 0.00 N | 31.50 -1.41 0.00 N | 11.88 -0.47 0.00 N | 13.97 -1.37 9.88 N | 31.92 -1.49 0.00 N | 37.22 -0.94 0.00 N |
| CLINTON___LFGE 323618 | 4.15 -0.12 0.00 N | 14.23 -0.40 0.00 N | -28.35 0.41 0.00 N | -15.97 0.00 16.48 N | -25.44 -0.29 32.90 N | -26.06 -0.38 36.38 N | 7.89 -0.52 8.22 N | 18.93 -0.61 0.00 N | 20.61 -0.22 0.00 N | 20.95 -0.25 0.00 N | 21.12 -0.48 0.00 N | 26.94 -1.04 0.00 N | 20.66 -0.84 0.00 N | 18.51 -0.63 0.00 N | -6.47 0.19 0.00 N | 15.24 -0.42 0.00 N | 17.32 -0.66 0.00 N | 14.94 -0.54 0.00 N | 15.53 -0.70 0.00 N | 31.89 -1.03 0.00 N | 12.02 -0.33 0.00 N | 14.07 -1.06 10.09 N | 32.31 -1.09 0.00 N | 37.75 -0.41 0.00 N |
| COLONIE_LFGE___ 323577 | 73.82 0.35 -69.20 N | 23.54 1.15 -7.76 N | 148.59 -2.18 -179.54 N | 65.24 0.04 -64.70 N | 49.92 0.58 -41.60 N | 74.98 0.77 -63.52 N | 17.74 1.11 0.00 N | 20.94 1.40 0.00 N | 22.23 1.40 0.00 N | 24.86 1.61 -2.05 N | 58.11 1.74 -34.77 N | 60.55 2.28 -30.30 N | 90.06 1.77 -66.78 N | 75.05 1.52 -54.40 N | 71.85 -0.52 -79.03 N | 31.30 1.21 -14.43 N | 68.95 1.48 -49.49 N | 184.02 1.33 -167.21 N | 171.79 1.38 -154.17 N | 59.45 2.78 -23.76 N | 120.34 1.04 -106.94 N | 77.58 2.00 -50.35 N | 35.99 2.58 0.00 N | 48.28 2.95 -7.16 N |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------|-------|---------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|---------|--------|-------|-------|---|---|
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| CORNELL____ | 14.67 | 15.55 | -1.07 | 10.26 | 13.93 | 20.10 | 16.30 | 19.27 | 20.45 | 21.35 | 26.83 | 32.46 | 31.53 | 27.26 | 5.36 | 17.70 | 25.50 | 40.66 | 39.42 | 36.08 | 28.35 | 32.55 | 32.88 | 38.63 | | |
| 23752 | -0.05 | -0.26 | 0.59 | -0.02 | -0.09 | -0.18 | -0.33 | -0.27 | -0.37 | -0.16 | -0.03 | -0.09 | -0.06 | -0.10 | 0.07 | -0.14 | 0.05 | -0.06 | -0.08 | -0.42 | -0.14 | -0.27 | -0.53 | -0.62 | | |
| | -10.44 | -1.17 | -27.10 | -9.77 | -6.28 | -9.59 | 0.00 | 0.00 | 0.00 | -0.31 | -5.25 | -4.57 | -10.08 | -8.23 | -11.94 | -12.18 | -7.47 | -25.24 | -23.27 | -3.59 | -16.14 | -7.60 | 0.00 | -1.08 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| COXSACKIE____GT | 63.54 | 22.32 | 122.29 | 55.66 | 43.69 | 65.50 | 17.65 | 20.83 | 22.15 | 24.44 | 52.89 | 56.03 | 80.58 | 68.12 | 61.72 | 29.51 | 61.93 | 159.33 | 149.08 | 56.15 | 104.59 | 70.29 | 36.13 | 47.39 | | |
| 23611 | 0.30 | 1.07 | -1.91 | 0.03 | 0.50 | 0.68 | 1.03 | 1.29 | 1.32 | 1.49 | 1.66 | 2.25 | 1.73 | 1.55 | -0.53 | 1.27 | 1.54 | 1.38 | 1.49 | 2.99 | 1.11 | 2.16 | 2.72 | 2.98 | | |
| | -58.96 | -6.61 | -152.97 | -55.12 | -35.44 | -54.12 | 0.00 | 0.00 | 0.00 | -1.75 | -29.62 | -25.81 | -57.35 | -47.43 | -68.91 | -12.58 | -42.41 | -142.47 | -131.36 | -20.25 | -91.11 | -42.90 | 0.00 | -6.25 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| CRESCENT____HYD | 73.82 | 23.54 | 148.59 | 65.24 | 49.92 | 74.98 | 17.74 | 20.94 | 22.23 | 24.86 | 58.11 | 60.55 | 90.06 | 75.05 | 71.85 | 31.30 | 68.95 | 184.02 | 171.79 | 59.45 | 120.34 | 77.58 | 35.99 | 48.28 | | |
| 24018 | 0.35 | 1.15 | -2.18 | 0.04 | 0.58 | 0.77 | 1.11 | 1.40 | 1.40 | 1.61 | 1.74 | 2.28 | 1.77 | 1.52 | -0.52 | 1.21 | 1.48 | 1.33 | 1.38 | 2.78 | 1.04 | 2.00 | 2.58 | 2.95 | | |
| | -69.20 | -7.76 | -179.54 | -64.70 | -41.60 | -63.52 | 0.00 | 0.00 | 0.00 | -2.05 | -34.77 | -30.30 | -66.78 | -54.40 | -79.03 | -14.43 | -49.49 | -167.21 | -154.17 | -23.76 | -106.94 | -50.35 | 0.00 | -7.16 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| CRUCIBLE_METL_DRP | 9.38 | 14.96 | -14.80 | 5.32 | 10.75 | 15.25 | 16.31 | 19.26 | 20.45 | 21.11 | 24.01 | 29.99 | 26.29 | 22.99 | -0.66 | 16.52 | 21.57 | 27.89 | 27.66 | 34.37 | 20.21 | 28.75 | 33.03 | 38.19 | | |
| 24180 | -0.06 | -0.26 | 0.56 | -0.02 | -0.10 | -0.18 | -0.32 | -0.28 | -0.37 | -0.25 | -0.19 | -0.24 | -0.20 | -0.21 | 0.09 | -0.21 | -0.10 | -0.07 | -0.08 | -0.32 | -0.12 | -0.23 | -0.38 | -0.51 | | |
| | -5.17 | -0.58 | -13.40 | -4.83 | -3.11 | -4.74 | 0.00 | 0.00 | 0.00 | -0.15 | -2.60 | -2.26 | -4.99 | -4.07 | -5.91 | -1.08 | -3.70 | -12.48 | -11.51 | -1.77 | -7.98 | -3.76 | 0.00 | -0.54 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DANC____LFGE | 6.30 | 15.06 | -24.04 | 3.04 | 10.46 | 14.20 | 17.21 | 19.80 | 21.14 | 21.75 | 23.23 | 29.74 | 24.03 | 21.19 | -4.62 | 16.50 | 19.84 | 20.80 | 21.23 | 34.90 | 15.88 | 27.97 | 34.52 | 39.48 | | |
| 323619 | 0.08 | 0.21 | -0.33 | 0.00 | 0.13 | 0.15 | 0.23 | 0.26 | 0.31 | 0.49 | 0.64 | 0.91 | 0.64 | 0.52 | -0.19 | 0.44 | 0.47 | 0.61 | 0.66 | 1.32 | 0.51 | 0.89 | 1.11 | 1.12 | | |
| | -1.95 | -0.22 | -5.05 | -2.53 | -2.59 | -3.36 | -0.36 | 0.00 | 0.00 | -0.06 | -0.98 | -0.85 | -1.88 | -1.53 | -2.23 | -0.41 | -1.39 | -4.71 | -4.34 | -0.67 | -3.01 | -1.85 | 0.00 | -0.20 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DANSKAMMER____1 | 59.47 | 22.13 | 111.13 | 51.81 | 41.33 | 61.91 | 17.98 | 21.22 | 22.53 | 24.64 | 51.12 | 54.62 | 76.49 | 64.19 | 55.55 | 28.62 | 58.98 | 149.51 | 140.03 | 55.02 | 98.31 | 67.57 | 36.52 | 47.22 | | |
| 23586 | 0.36 | 1.34 | -2.37 | 0.04 | 0.63 | 0.88 | 1.35 | 1.68 | 1.70 | 1.81 | 1.97 | 2.64 | 2.01 | 1.81 | -0.62 | 1.49 | 1.75 | 1.54 | 1.64 | 3.27 | 1.21 | 2.45 | 3.11 | 3.36 | | |
| | -54.84 | -6.15 | -142.27 | -51.27 | -32.96 | -50.33 | 0.00 | 0.00 | 0.00 | -1.63 | -27.55 | -24.01 | -52.98 | -43.25 | -62.83 | -11.47 | -39.24 | -132.49 | -122.17 | -18.83 | -84.74 | -39.90 | 0.00 | -5.70 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DANSKAMMER____2 | 59.47 | 22.13 | 111.13 | 51.81 | 41.33 | 61.91 | 17.98 | 21.22 | 22.53 | 24.64 | 51.12 | 54.62 | 76.49 | 64.19 | 55.55 | 28.62 | 58.98 | 149.51 | 140.03 | 55.02 | 98.31 | 67.57 | 36.52 | 47.22 | | |
| 23589 | 0.36 | 1.34 | -2.37 | 0.04 | 0.63 | 0.88 | 1.35 | 1.68 | 1.70 | 1.81 | 1.97 | 2.64 | 2.01 | 1.81 | -0.62 | 1.49 | 1.75 | 1.54 | 1.64 | 3.27 | 1.21 | 2.45 | 3.11 | 3.36 | | |
| | -54.84 | -6.15 | -142.27 | -51.27 | -32.96 | -50.33 | 0.00 | 0.00 | 0.00 | -1.63 | -27.55 | -24.01 | -52.98 | -43.25 | -62.83 | -11.47 | -39.24 | -132.49 | -122.17 | -18.83 | -84.74 | -39.90 | 0.00 | -5.70 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DANSKAMMER____3 | 59.47 | 22.13 | 111.13 | 51.81 | 41.33 | 61.91 | 17.98 | 21.22 | 22.53 | 24.64 | 51.12 | 54.62 | 76.49 | 64.19 | 55.55 | 28.62 | 58.98 | 149.51 | 140.03 | 55.02 | 98.31 | 67.57 | 36.52 | 47.22 | | |
| 23590 | 0.36 | 1.34 | -2.37 | 0.04 | 0.63 | 0.88 | 1.35 | 1.68 | 1.70 | 1.81 | 1.97 | 2.64 | 2.01 | 1.81 | -0.62 | 1.49 | 1.75 | 1.54 | 1.64 | 3.27 | 1.21 | 2.45 | 3.11 | 3.36 | | |
| | -54.84 | -6.15 | -142.27 | -51.27 | -32.96 | -50.33 | 0.00 | 0.00 | 0.00 | -1.63 | -27.55 | -24.01 | -52.98 | -43.25 | -62.83 | -11.47 | -39.24 | -132.49 | -122.17 | -18.83 | -84.74 | -39.90 | 0.00 | -5.70 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DANSKAMMER____4 | 59.47 | 22.13 | 111.13 | 51.81 | 41.33 | 61.91 | 17.98 | 21.22 | 22.53 | 24.64 | 51.12 | 54.62 | 76.49 | 64.19 | 55.55 | 28.62 | 58.98 | 149.51 | 140.03 | 55.02 | 98.31 | 67.57 | 36.52 | 47.22 | | |
| 23591 | 0.36 | 1.34 | -2.37 | 0.04 | 0.63 | 0.88 | 1.35 | 1.68 | 1.70 | 1.81 | 1.97 | 2.64 | 2.01 | 1.81 | -0.62 | 1.49 | 1.75 | 1.54 | 1.64 | 3.27 | 1.21 | 2.45 | 3.11 | 3.36 | | |
| | -54.84 | -6.15 | -142.27 | -51.27 | -32.96 | -50.33 | 0.00 | 0.00 | 0.00 | -1.63 | -27.55 | -24.01 | -52.98 | -43.25 | -62.83 | -11.47 | -39.24 | -132.49 | -122.17 | -18.83 | -84.74 | -39.90 | 0.00 | -5.70 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DANSKAMMER____DIESEL | 59.47 | 22.13 | 111.13 | 51.81 | 41.33 | 61.91 | 17.98 | 21.22 | 22.53 | 24.64 | 51.12 | 54.62 | 76.49 | 64.19 | 55.55 | 28.62 | 58.98 | 149.51 | 140.03 | 55.02 | 98.31 | 67.57 | 36.52 | 47.22 | | |
| 23592 | 0.36 | 1.34 | -2.37 | 0.04 | 0.63 | 0.88 | 1.35 | 1.68 | 1.70 | 1.81 | 1.97 | 2.64 | 2.01 | 1.81 | -0.62 | 1.49 | 1.75 | 1.54 | 1.64 | 3.27 | 1.21 | 2.45 | 3.11 | 3.36 | | |
| | -54.84 | -6.15 | -142.27 | -51.27 | -32.96 | -50.33 | 0.00 | 0.00 | 0.00 | -1.63 | -27.55 | -24.01 | -52.98 | -43.25 | -62.83 | -11.47 | -39.24 | -132.49 | -122.17 | -18.83 | -84.74 | -39.90 | 0.00 | -5.70 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DASHVILLE____HYD | 59.72 | 21.93 | 112.42 | 52.11 | 41.39 | 62.02 | 17.69 | 20.87 | 22.16 | 24.26 | 50.88 | 54.25 | 76.51 | 64.35 | 56.27 | 28.52 | 58.94 | 149.98 | 140.45 | 54.51 | 98.57 | 67.36 | 35.94 | 46.73 | | |
| 23610 | 0.29 | 1.12 | -1.92 | 0.04 | 0.49 | 0.69 | 1.06 | 1.33 | 1.33 | 1.42 | 1.55 | 2.13 | 1.64 | 1.53 | -0.54 | 1.27 | 1.45 | 1.22 | 1.33 | 2.65 | 0.97 | 2.00 | 2.53 | 2.81 | | |
| | -55.16 | -6.19 | -143.10 | -51.57 | -33.16 | -50.63 | 0.00 | 0.00 | 0.00 | -1.64 | -27.71 | -24.15 | -53.37 | -43.69 | -63.46 | -11.59 | -39.52 | -133.28 | -122.89 | -18.94 | -85.24 | -40.13 | 0.00 | -5.75 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DELAWARE____LFGE | 27.27 | 17.74 | 29.56 | 21.88 | 21.78 | 32.06 | 17.15 | 20.20 | 21.46 | 22.66 | 33.99 | 39.16 | 44.44 | 37.87 | 19.26 | 20.99 | 35.08 | 71.37 | 67.87 | 42.16 | 48.19 | 42.89 | 34.75 | 41.99 | | |
| 323621 | 0.15 | 0.54 | -0.96 | 0.02 | 0.30 | 0.38 | 0.52 | 0.66 | 0.63 | 0.78 | 0.90 | 1.19 | 0.87 | 0.75 | -0.22 | 0.56 | 0.76 | 0.68 | 0.73 | 1.40 | 0.52 | 1.04 | 1.34 | 1.46 | | |
| | -22.85 | -2.56 | -59.28 | -21.36 | -13.74 | -20.98 | 0.00 | 0.00 | 0.00 | -0.68 | -11.48 | -10.00 | -22.06 | -17.99 | -26.13 | -4.77 | -16.34 | -55.21 | -50.91 | -7.85 | -35.31 | -16.63 | 0.00 | -2.37 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DOGLEVILLE____HYD | 3.24 | 15.36 | -33.76 | -0.69 | 7.41 | 10.06 | 17.49 | 20.58 | 21.92 | 22.44 | 22.46 | 29.34 | 21.70 | 19.40 | -8.57 | 16.44 | 18.42 | 13.58 | 14.66 | 35.16 | 11.36 | 26.04 | 35.74 | 40.56 | | |
| 23807 | 0.29 | 0.87 | -1.58 | 0.03 | 0.45 | 0.57 | 0.86 | 1.04 | 1.09 | 1.28 | 1.51 | 1.94 | 1.47 | 1.30 | -0.40 | 1.06 | 1.39 | 1.27 | 1.35 | 2.70 | 1.04 | 1.77 | 2.34 | 2.54 | | |
| | 1.31 | 0.15 | 3.41 | 1.23 | 0.79 | 1.21 | 0.00 | 0.00 | 0.00 | 0.04 | 0.66 | 0.58 | 1.27 | 1.04 | 1.51 | 0.28 | 0.94 | 3.18 | 2.93 | 0.45 | 2.03 | 0.96 | 0.00 | 0.14 | | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | | |
| DUNKIRK____1 | 13.32 | 14.26 | -1.76 | 9.14 | 12.91 | 18.33 | 15.00 | 17.90 | 18.56 | 19.90 | 24.93 | 30.19 | 28.88 | 24.89 | 4.78 | 16.01 | 23.39 | 36.88 | 35.90 | 33.41 | 25.75 | 30.21 | 31.45 | 37.06 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|-----------------------------|------------------------------|
| 23563 | -0.27 -9.32 N | -1.42 -1.05 N | 2.82 -24.19 N | -0.07 -8.71 N | -0.44 -5.60 N | -0.93 -8.56 N | -1.63 0.00 N | -1.65 0.00 N | -2.27 0.00 N | -1.58 -0.28 N | -1.36 -4.68 N | -1.86 -4.08 N | -1.62 -9.00 N | -1.58 -7.34 N | 0.77 -10.66 N | -1.60 -1.95 N | -1.26 -6.67 N | -1.13 -22.53 N | -1.10 -20.77 N | -2.71 -3.20 N | -1.01 -14.41 N | -1.79 -6.78 N | -1.96 0.00 N | -2.07 -0.97 N |
| DUNKIRK___2 23564 | 13.32 -0.27 -9.32 N | 14.26 -1.42 -1.05 N | -1.76 2.82 -24.19 N | 9.14 -0.07 -8.71 N | 12.91 -0.44 -5.60 N | 18.33 -0.93 -8.56 N | 15.00 -1.63 0.00 N | 17.90 -1.65 0.00 N | 18.56 -2.27 0.00 N | 19.90 -1.58 -0.28 N | 24.93 -1.36 -4.68 N | 30.19 -1.86 -4.08 N | 28.88 -1.62 -9.00 N | 24.89 -1.58 -7.34 N | 4.78 0.77 -10.66 N | 16.01 -1.60 -1.95 N | 23.39 -1.26 -6.67 N | 36.88 -1.13 -22.53 N | 35.90 -1.10 -20.77 N | 33.41 -2.71 -3.20 N | 25.75 -1.01 -14.41 N | 30.21 -1.79 -6.78 N | 31.45 -1.96 0.00 N | 37.06 -2.07 -0.97 N |
| DUNKIRK___3 23565 | 13.30 -0.29 -9.33 N | 14.24 -1.44 -1.05 N | -1.74 2.82 -24.20 N | 9.15 -0.07 -8.72 N | 12.88 -0.46 -5.61 N | 18.32 -0.94 -8.56 N | 15.00 -1.63 0.00 N | 17.89 -1.65 0.00 N | 18.58 -2.25 0.00 N | 19.83 -1.65 -0.28 N | 24.80 -1.49 -4.69 N | 30.03 -2.03 -4.08 N | 28.77 -1.74 -9.01 N | 24.80 -1.68 -7.35 N | 4.79 0.78 -10.67 N | 15.96 -1.64 -1.95 N | 23.30 -1.35 -6.67 N | 36.81 -1.21 -22.54 N | 35.84 -1.17 -20.78 N | 33.26 -2.86 -3.20 N | 25.70 -1.07 -14.41 N | 30.15 -1.86 -6.79 N | 31.34 -2.07 0.00 N | 36.94 -2.19 -0.97 N |
| DUNKIRK___4 23566 | 13.30 -0.29 -9.33 N | 14.24 -1.44 -1.05 N | -1.74 2.82 -24.20 N | 9.15 -0.07 -8.72 N | 12.88 -0.46 -5.61 N | 18.32 -0.94 -8.56 N | 15.00 -1.63 0.00 N | 17.89 -1.65 0.00 N | 18.58 -2.25 0.00 N | 19.83 -1.65 -0.28 N | 24.80 -1.49 -4.69 N | 30.03 -2.03 -4.08 N | 28.77 -1.74 -9.01 N | 24.80 -1.68 -7.35 N | 4.79 0.78 -10.67 N | 15.96 -1.64 -1.95 N | 23.30 -1.35 -6.67 N | 36.81 -1.21 -22.54 N | 35.84 -1.17 -20.78 N | 33.26 -2.86 -3.20 N | 25.70 -1.07 -14.41 N | 30.15 -1.86 -6.79 N | 31.34 -2.07 0.00 N | 36.94 -2.19 -0.97 N |
| EAST HAMPTON___GT 23717 | 121.36 1.00 -116.09 N | 24.42 3.74 -6.05 N | 104.63 -6.43 -139.83 N | 51.03 0.13 -50.39 N | 41.84 1.69 -32.40 N | 67.97 2.40 -54.88 N | 20.43 3.80 0.00 N | 24.20 4.66 0.00 N | 25.81 4.98 0.00 N | 27.94 5.13 -1.60 N | 55.62 5.49 -28.51 N | 71.89 7.55 -36.37 N | 122.79 5.65 -95.63 N | 79.79 4.97 -55.69 N | 64.72 -1.62 -73.00 N | 37.32 3.94 -17.73 N | 84.88 4.89 -62.01 N | 155.52 4.52 -135.52 N | 152.61 4.75 -131.63 N | 104.01 9.13 -61.97 N | 114.38 3.41 -98.62 N | 76.01 6.70 -44.08 N | 42.98 8.49 -1.08 N | 52.49 8.73 -5.60 N |
| EAST RIVER___6 23660 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.03 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.79 -1.60 N | 50.62 1.94 -27.07 N | 54.19 2.63 -23.59 N | 75.54 1.99 -52.04 N | 63.40 1.81 -42.45 N | 54.38 -0.64 -61.68 N | 28.43 1.51 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.20 N | 137.90 1.61 -120.06 N | 54.62 3.20 -18.50 N | 96.80 1.17 -83.27 N | 66.92 2.49 -39.21 N | 36.54 3.13 0.00 N | 47.06 3.31 -5.59 N |
| EAST RIVER___7 23524 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.03 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.79 -1.60 N | 50.62 1.94 -27.07 N | 54.19 2.63 -23.59 N | 75.54 1.99 -52.04 N | 63.40 1.81 -42.45 N | 54.38 -0.64 -61.68 N | 28.43 1.51 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.20 N | 137.90 1.61 -120.06 N | 54.62 3.20 -18.50 N | 96.80 1.17 -83.27 N | 66.92 2.49 -39.21 N | 36.54 3.13 0.00 N | 47.06 3.31 -5.59 N |
| EAST_HAMPTON___DIESEL 23722 | 121.36 1.00 -116.09 N | 24.42 3.74 -6.05 N | 104.63 -6.43 -139.83 N | 51.03 0.13 -50.39 N | 41.84 1.69 -32.40 N | 67.97 2.40 -54.88 N | 20.43 3.80 0.00 N | 24.20 4.66 0.00 N | 25.81 4.98 0.00 N | 27.94 5.13 -1.60 N | 55.62 5.49 -28.51 N | 71.89 7.55 -36.37 N | 122.79 5.65 -95.63 N | 79.79 4.97 -55.69 N | 64.72 -1.62 -73.00 N | 37.32 3.94 -17.73 N | 84.88 4.89 -62.01 N | 155.52 4.52 -135.52 N | 152.61 4.75 -131.63 N | 104.01 9.13 -61.97 N | 114.38 3.41 -98.62 N | 76.01 6.70 -44.08 N | 42.98 8.49 -1.08 N | 52.49 8.73 -5.60 N |
| EAST_RIVER___1 323558 | 58.52 0.36 -53.89 N | 22.09 1.41 -6.05 N | 108.67 -2.37 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.46 N | 18.01 1.38 0.00 N | 21.26 1.72 0.00 N | 22.57 1.74 0.00 N | 24.61 1.81 -1.60 N | 50.63 1.95 -27.07 N | 54.20 2.63 -23.59 N | 75.55 2.00 -52.04 N | 63.40 1.82 -42.45 N | 54.37 -0.65 -61.68 N | 28.44 1.52 -11.26 N | 58.28 1.74 -38.56 N | 147.19 1.50 -130.20 N | 137.91 1.62 -120.05 N | 54.62 3.20 -18.50 N | 96.81 1.18 -83.27 N | 66.93 2.50 -39.21 N | 36.56 3.15 0.00 N | 47.09 3.34 -5.59 N |
| EAST_RIVER___2 323559 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.03 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.79 -1.60 N | 50.62 1.94 -27.07 N | 54.19 2.63 -23.59 N | 75.54 1.99 -52.04 N | 63.40 1.81 -42.45 N | 54.38 -0.64 -61.68 N | 28.43 1.51 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.20 N | 137.90 1.61 -120.06 N | 54.62 3.20 -18.50 N | 96.80 1.17 -83.27 N | 66.92 2.49 -39.21 N | 36.54 3.13 0.00 N | 47.06 3.31 -5.59 N |
| EAST___DELAWARE_HYD 23607 | 50.92 0.15 -46.50 N | 20.38 0.53 -5.22 N | 91.08 -0.80 -120.65 N | 43.99 0.01 -43.48 N | 35.91 0.21 -27.95 N | 53.68 0.30 -42.69 N | 17.08 0.45 0.00 N | 20.14 0.60 0.00 N | 21.43 0.59 0.00 N | 23.31 0.73 -1.38 N | 45.85 0.88 -23.36 N | 49.55 1.22 -20.36 N | 67.36 0.92 -44.94 N | 56.68 0.83 -36.71 N | 46.40 -0.27 -53.33 N | 26.08 0.68 -9.74 N | 52.11 0.85 -33.29 N | 128.63 0.78 -112.36 N | 120.67 0.83 -103.60 N | 50.54 1.66 -15.97 N | 84.83 0.61 -71.86 N | 60.20 1.14 -33.84 N | 34.74 1.33 0.00 N | 44.35 1.35 -4.84 N |
| ELEC_TRO_TEK 24086 | 120.78 0.42 -116.09 N | 22.49 1.81 -6.05 N | 108.07 -2.99 -139.83 N | 50.96 0.06 -50.39 N | 40.86 0.72 -32.40 N | 66.68 1.10 -54.88 N | 18.40 1.77 0.00 N | 21.72 2.18 0.00 N | 23.07 2.24 0.00 N | 24.92 2.11 -1.60 N | 61.02 2.24 -37.17 N | 133.15 2.98 -102.20 N | 138.37 2.21 -114.66 N | 76.81 1.98 -55.69 N | 98.84 -0.70 -106.20 N | 73.88 1.64 -56.58 N | 113.39 1.92 -93.48 N | 184.95 1.62 -167.84 N | 173.30 1.77 -155.30 N | 145.07 3.49 -108.66 N | 124.88 1.28 -111.24 N | 98.93 2.73 -70.98 N | 44.31 3.60 -7.31 N | 47.51 3.68 -5.67 N |
| ELLENBURG_WT_PWR 323604 | 4.08 -0.19 0.00 N | 14.02 -0.61 0.00 N | -27.94 0.82 0.00 N | -15.65 -0.01 16.14 N | -24.87 -0.39 32.23 N | -25.42 -0.48 35.64 N | 7.92 -0.65 8.06 N | 18.78 -0.76 0.00 N | 20.43 -0.40 0.00 N | 20.74 -0.47 0.00 N | 20.87 -0.74 0.00 N | 26.61 -1.36 0.00 N | 20.44 -1.06 0.00 N | 18.31 -0.82 0.00 N | -6.40 0.25 0.00 N | 15.08 -0.58 0.00 N | 17.12 -0.86 0.00 N | 14.75 -0.74 0.00 N | 15.33 -0.90 0.00 N | 31.50 -1.41 0.00 N | 11.88 -0.47 0.00 N | 13.97 -1.37 9.88 N | 31.92 -1.49 0.00 N | 37.22 -0.94 0.00 N |
| EMPIRE_CC_1 323656 | 70.94 0.29 -66.38 N | 23.07 0.99 -7.45 N | 141.57 -1.88 -172.22 N | 62.60 0.03 -62.06 N | 48.15 0.51 -39.90 N | 72.31 0.68 -60.93 N | 17.62 0.99 0.00 N | 20.78 1.24 0.00 N | 22.06 1.23 0.00 N | 24.55 1.38 -1.97 N | 56.44 1.48 -33.35 N | 58.98 1.95 -29.06 N | 87.08 1.50 -64.08 N | 72.67 1.32 -52.22 N | 68.76 -0.44 -75.86 N | 30.54 1.03 -13.85 N | 66.68 1.23 -47.47 N | 176.95 1.08 -160.39 N | 165.25 1.13 -147.89 N | 57.98 2.27 -22.79 N | 115.79 0.85 -102.58 N | 75.21 1.69 -48.30 N | 35.60 2.19 0.00 N | 47.60 2.57 -6.88 N |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|
| EMPIRE_CC_2 323658 | 70.94 0.29 -66.38 N | 23.07 0.99 -7.45 N | 141.57 -1.88 -172.22 N | 62.60 0.03 -62.06 N | 48.15 0.51 -39.90 N | 72.31 0.68 -60.93 N | 17.62 0.99 0.00 N | 20.78 1.24 0.00 N | 22.06 1.23 0.00 N | 24.55 1.38 -1.97 N | 56.44 1.48 -33.35 N | 58.98 1.95 -29.06 N | 87.08 1.50 -64.08 N | 72.67 1.32 -52.22 N | 68.76 -0.44 -75.86 N | 30.54 1.03 -13.85 N | 66.68 1.23 -47.47 N | 176.95 1.08 -160.39 N | 165.25 1.13 -147.89 N | 57.98 2.27 -22.79 N | 115.79 0.85 -102.58 N | 75.21 1.69 -48.30 N | 35.60 2.19 0.00 N | 47.60 2.57 -6.88 N |
| ERIE_WT_PWR 323693 | 12.80 -0.31 -8.84 N | 14.34 -1.29 -0.99 N | -3.48 2.35 -22.94 N | 8.70 -0.07 -8.27 N | 12.62 -0.43 -5.31 N | 18.01 -0.80 -8.12 N | 15.31 -1.32 0.00 N | 18.30 -1.25 0.00 N | 19.09 -1.74 0.00 N | 19.96 -1.51 -0.26 N | 24.51 -1.54 -4.44 N | 29.75 -2.09 -3.87 N | 28.28 -1.75 -8.54 N | 24.42 -1.68 -6.96 N | 4.10 0.64 -10.11 N | 15.97 -1.53 -1.85 N | 22.96 -1.35 -6.32 N | 35.70 -1.15 -21.36 N | 34.82 -1.11 -19.70 N | 33.17 -2.78 -3.04 N | 24.97 -1.05 -13.66 N | 30.11 -1.55 -6.43 N | 31.58 -1.83 0.00 N | 37.21 -1.87 -0.92 N |
| E_CANADA_CAP_HY 24051 | 90.86 0.07 -86.53 N | 24.62 0.29 -9.71 N | 195.13 -0.58 -224.48 N | 81.41 0.01 -80.89 N | 59.90 0.14 -52.01 N | 90.40 0.28 -79.42 N | 17.04 0.41 0.00 N | 20.14 0.60 0.00 N | 21.49 0.66 0.00 N | 24.36 0.59 -2.57 N | 65.76 0.68 -43.47 N | 66.71 0.86 -37.88 N | 105.68 0.66 -83.52 N | 87.69 0.50 -68.05 N | 92.08 -0.12 -98.86 N | 34.10 0.39 -18.05 N | 80.56 0.70 -61.88 N | 225.23 0.68 -209.07 N | 209.68 0.68 -192.77 N | 63.88 1.26 -29.71 N | 146.50 0.44 -133.71 N | 89.17 0.99 -62.96 N | 34.45 1.04 0.00 N | 48.08 0.96 -8.96 N |
| E_CANADA_MHWK_HY 24050 | 3.24 0.29 1.31 N | 15.36 0.87 0.15 N | -33.76 -1.58 3.41 N | -0.69 0.03 1.23 N | 7.41 0.45 0.79 N | 10.06 0.57 1.21 N | 17.49 0.86 0.00 N | 20.58 1.04 0.00 N | 21.92 1.09 0.00 N | 22.44 1.28 0.04 N | 22.46 1.51 0.66 N | 29.34 1.94 0.58 N | 21.70 1.47 1.27 N | 19.40 1.30 1.04 N | -8.57 -0.40 1.51 N | 16.44 1.06 0.28 N | 18.42 1.39 0.94 N | 13.58 1.27 3.18 N | 14.66 1.35 2.93 N | 35.16 2.70 0.45 N | 11.36 1.04 2.03 N | 26.04 1.77 0.96 N | 35.74 2.34 0.00 N | 40.56 2.54 0.14 N |
| E_FISHKILL___LBMP 23776 | 59.31 0.33 -54.72 N | 21.99 1.22 -6.14 N | 111.06 -2.13 -141.96 N | 51.70 0.04 -51.16 N | 41.19 0.56 -32.89 N | 61.71 0.78 -50.23 N | 17.84 1.21 0.00 N | 21.05 1.51 0.00 N | 22.34 1.51 0.00 N | 24.43 1.60 -1.62 N | 50.83 1.73 -27.49 N | 54.26 2.33 -23.96 N | 76.11 1.77 -52.84 N | 63.83 1.59 -43.11 N | 55.42 -0.55 -62.63 N | 28.40 1.31 -11.43 N | 58.65 1.52 -39.15 N | 149.01 1.31 -132.21 N | 139.54 1.41 -121.90 N | 54.53 2.83 -18.79 N | 97.95 1.04 -84.56 N | 67.18 2.14 -39.81 N | 36.13 2.72 0.00 N | 46.79 2.96 -5.68 N |
| FAR ROCKAWAY___4 23548 | 120.88 0.52 -116.09 N | 22.81 2.13 -6.05 N | 107.49 -3.57 -139.83 N | 50.97 0.07 -50.39 N | 41.03 0.88 -32.40 N | 66.90 1.32 -54.88 N | 18.75 2.12 0.00 N | 22.15 2.60 0.00 N | 23.52 2.69 0.00 N | 25.42 2.62 -1.60 N | 73.66 2.76 -49.28 N | 225.93 3.65 -194.30 N | 165.49 2.73 -141.27 N | 77.27 2.44 -55.69 N | 145.15 -0.85 -152.66 N | 128.63 2.02 -110.95 N | 157.89 2.40 -137.52 N | 232.40 2.04 -214.88 N | 207.58 2.19 -189.15 N | 213.17 4.34 -175.92 N | 142.87 1.60 -128.90 N | 137.20 3.36 -108.62 N | 53.76 4.33 -16.02 N | 48.39 4.46 -5.76 N |
| FARRAGUT___LBMP 323566 | 58.52 0.36 -53.89 N | 22.09 1.41 -6.05 N | 108.69 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.03 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.80 -1.60 N | 50.61 1.93 -27.07 N | 54.19 2.62 -23.59 N | 75.53 1.98 -52.04 N | 63.39 1.80 -42.45 N | 54.38 -0.64 -61.68 N | 28.42 1.50 -11.26 N | 58.26 1.73 -38.56 N | 147.18 1.49 -130.21 N | 137.89 1.60 -120.06 N | 54.60 3.18 -18.50 N | 96.80 1.17 -83.27 N | 66.91 2.48 -39.21 N | 36.53 3.12 0.00 N | 47.05 3.30 -5.59 N |
| FENNER___WINDPWR 24204 | 7.39 0.00 -3.11 N | 14.97 -0.01 -0.35 N | -20.69 0.00 -8.08 N | 3.40 -0.02 -2.91 N | 9.66 0.04 -1.87 N | 13.58 0.02 -2.86 N | 16.64 0.01 0.00 N | 19.62 0.08 0.00 N | 20.85 0.02 0.00 N | 21.47 0.17 -0.09 N | 23.45 0.27 -1.56 N | 29.66 0.33 -1.36 N | 24.73 0.22 -3.00 N | 21.74 0.16 -2.45 N | -3.17 -0.07 -3.56 N | 16.40 0.09 -0.65 N | 20.47 0.26 -2.23 N | 23.28 0.27 -7.52 N | 23.43 0.27 -6.94 N | 34.41 0.43 -1.07 N | 17.31 0.14 -4.81 N | 27.78 0.28 -2.27 N | 33.74 0.33 0.00 N | 38.81 0.32 -0.32 N |
| FIBERTEK___ENERGY 23856 | 9.38 -0.06 -5.17 N | 14.96 -0.26 -0.58 N | -14.80 0.56 -13.40 N | 5.32 -0.02 -4.83 N | 10.75 -0.10 -3.11 N | 15.25 -0.18 -4.74 N | 16.31 -0.32 0.00 N | 19.26 -0.28 0.00 N | 20.45 -0.37 0.00 N | 21.11 -0.25 -0.15 N | 24.01 -0.19 -2.60 N | 29.99 -0.24 -2.26 N | 26.29 -0.20 -4.99 N | 22.99 -0.21 -4.07 N | -0.66 0.09 -5.91 N | 16.52 -0.21 -1.08 N | 21.57 -0.10 -3.70 N | 27.89 -0.07 -12.48 N | 27.66 -0.08 -11.51 N | 34.37 -0.32 -1.77 N | 20.21 -0.12 -7.98 N | 28.75 -0.23 -3.76 N | 33.03 -0.38 0.00 N | 38.19 -0.51 -0.54 N |
| FITZPATRICK____ 23598 | 7.31 -0.16 -3.20 N | 14.44 -0.55 -0.36 N | -19.36 1.10 -8.30 N | 3.47 -0.02 -2.99 N | 9.40 -0.27 -1.92 N | 13.23 0.40 -2.94 N | 15.98 -0.65 0.00 N | 18.84 -0.71 0.00 N | 20.03 -0.80 0.00 N | 20.54 -0.75 -0.09 N | 22.47 -0.75 -1.61 N | 28.39 -0.98 -1.40 N | 23.84 -0.76 -3.09 N | 20.97 0.23 -2.52 N | -2.76 0.23 -3.66 N | 15.74 -0.59 -0.67 N | 19.67 -0.60 -2.29 N | 22.71 -0.51 -7.73 N | 22.83 -0.53 -7.13 N | 32.82 -1.20 -1.10 N | 16.84 -0.46 -4.95 N | 26.69 -0.86 -2.33 N | 32.22 -1.19 0.00 N | 37.10 -1.39 -0.33 N |
| FORT ORANGE____ 23900 | 71.79 0.27 -67.25 N | 23.13 0.95 -7.54 N | 143.99 -1.72 -174.48 N | 63.41 0.03 -62.88 N | 48.64 0.47 -40.43 N | 73.06 0.63 -61.73 N | 17.57 0.94 0.00 N | 20.71 1.17 0.00 N | 22.00 1.17 0.00 N | 24.51 1.32 -1.99 N | 56.80 1.40 -33.79 N | 59.27 1.86 -29.44 N | 87.82 1.42 -64.90 N | 73.23 1.23 -52.87 N | 69.72 -0.42 -76.80 N | 30.69 1.00 -14.02 N | 67.28 1.21 -48.09 N | 179.05 1.07 -162.50 N | 167.19 1.13 -149.83 N | 58.28 2.27 -23.09 N | 117.15 0.86 -103.93 N | 75.83 1.67 -48.93 N | 35.55 2.14 0.00 N | 47.53 2.41 -6.96 N |
| FORT_DRUM_COGEN 23780 | 6.22 0.08 -1.87 N | 15.05 0.20 -0.21 N | -24.23 -0.32 -4.85 N | 2.99 0.01 -2.48 N | 10.45 0.12 -2.59 N | 14.18 0.15 -3.34 N | 17.22 0.22 -0.37 N | 19.79 0.25 0.00 N | 21.13 0.30 0.00 N | 21.73 0.47 -0.06 N | 23.18 0.63 -0.94 N | 29.68 0.89 -0.82 N | 23.93 0.62 -1.81 N | 21.11 0.50 -1.47 N | -4.70 -0.19 -2.14 N | 16.47 0.42 -0.39 N | 19.77 0.45 -1.34 N | 20.59 0.59 -4.52 N | 21.03 0.64 -4.17 N | 34.84 1.28 -0.64 N | 15.75 0.50 -2.89 N | 27.91 0.87 -1.81 N | 34.50 1.09 0.00 N | 39.46 1.11 -0.19 N |
| FPL_FAR_ROCK_GT1 24212 | 120.88 0.52 -116.09 N | 22.81 2.13 -6.05 N | 107.49 -3.57 -139.83 N | 50.97 0.07 -50.39 N | 41.03 0.88 -32.40 N | 66.90 1.32 -54.88 N | 18.75 2.12 0.00 N | 22.15 2.60 0.00 N | 23.52 2.69 0.00 N | 25.42 2.62 -1.60 N | 73.66 2.76 -49.28 N | 225.93 3.65 -194.30 N | 165.49 2.73 -141.27 N | 77.27 2.44 -55.69 N | 145.15 -0.85 -152.66 N | 128.63 2.02 -110.95 N | 157.89 2.40 -137.52 N | 232.40 2.04 -214.88 N | 207.58 2.19 -189.15 N | 213.17 4.34 -175.92 N | 142.87 1.60 -128.90 N | 137.20 3.36 -108.62 N | 53.76 4.33 -16.02 N | 48.39 4.46 -5.76 N |
| FPL_FAR_ROCK_GT2 23815 | 120.88 0.52 -116.09 N | 22.81 2.13 -6.05 N | 107.49 -3.57 -139.83 N | 50.97 0.07 -50.39 N | 41.03 0.88 -32.40 N | 66.90 1.32 -54.88 N | 18.75 2.12 0.00 N | 22.15 2.60 0.00 N | 23.52 2.69 0.00 N | 25.42 2.62 -1.60 N | 73.66 2.76 -49.28 N | 225.93 3.65 -194.30 N | 165.49 2.73 -141.27 N | 77.27 2.44 -55.69 N | 145.15 -0.85 -152.66 N | 128.63 2.02 -110.95 N | 157.89 2.40 -137.52 N | 232.40 2.04 -214.88 N | 207.58 2.19 -189.15 N | 213.17 4.34 -175.92 N | 142.87 1.60 -128.90 N | 137.20 3.36 -108.62 N | 53.76 4.33 -16.02 N | 48.39 4.46 -5.76 N |

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| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| FRANKLIN_FALL_HYD 24054 | 4.19 -0.08 0.00 N | 14.38 -0.26 0.00 N | -28.59 0.17 0.00 N | 12.00 0.01 -11.49 N | 30.50 -0.18 -22.93 N | 35.87 -0.18 -25.36 N | 22.11 -0.25 -5.73 N | 19.17 -0.37 0.00 N | 20.80 -0.03 0.00 N | 21.10 -0.10 0.00 N | 21.32 -0.29 0.00 N | 27.35 -0.62 0.00 N | 21.00 -0.50 0.00 N | 18.80 -0.34 0.00 N | -6.58 0.07 0.00 N | 15.49 -0.17 0.00 N | 17.46 -0.52 0.00 N | 15.13 -0.35 0.00 N | 15.77 -0.46 0.00 N | 32.36 -0.55 0.00 N | 12.22 -0.14 0.00 N | 31.66 -0.60 -7.03 N | 32.92 -0.49 0.00 N | 38.18 0.02 0.00 N | | |
| FREEPORT_EQUS_GT1 23764 | 120.83 0.47 -116.09 N | 22.66 1.98 -6.05 N | 107.78 -3.29 -139.83 N | 50.96 0.07 -50.39 N | 40.94 0.80 -32.40 N | 66.78 1.20 -54.88 N | 18.54 1.91 0.00 N | 21.90 2.35 0.00 N | 23.25 2.42 0.00 N | 25.10 2.29 -1.60 N | 60.16 2.41 -36.14 N | 125.59 3.23 -94.39 N | 136.32 2.42 -112.40 N | 77.00 2.17 -55.69 N | 94.85 -0.76 -102.26 N | 69.41 1.78 -51.97 N | 109.82 2.10 -89.75 N | 180.02 1.78 -162.75 N | 170.17 1.94 -152.00 N | 138.57 3.85 -101.81 N | 123.52 1.42 -109.74 N | 95.99 2.98 -67.79 N | 43.86 3.88 -6.56 N | 47.78 3.96 -5.66 N | | |
| FREEPORT___CT2 23818 | 120.83 0.47 -116.09 N | 22.66 1.98 -6.05 N | 107.78 -3.29 -139.83 N | 50.96 0.07 -50.39 N | 40.94 0.80 -32.40 N | 66.78 1.20 -54.88 N | 18.54 1.91 0.00 N | 21.90 2.35 0.00 N | 23.25 2.42 0.00 N | 25.10 2.29 -1.60 N | 60.16 2.41 -36.14 N | 125.59 3.23 -94.39 N | 136.32 2.42 -112.40 N | 77.00 2.17 -55.69 N | 94.85 -0.76 -102.26 N | 69.41 1.78 -51.97 N | 109.82 2.10 -89.75 N | 180.02 1.78 -162.75 N | 170.17 1.94 -152.00 N | 138.57 3.85 -101.81 N | 123.52 1.42 -109.74 N | 95.99 2.98 -67.79 N | 43.86 3.88 -6.56 N | 47.78 3.96 -5.66 N | | |
| FULTON COGEN____ 23766 | 8.24 -0.10 -4.07 N | 14.70 -0.38 -0.46 N | -17.41 0.80 -10.55 N | 4.29 -0.02 -3.80 N | 10.01 -0.18 -2.45 N | 14.16 -0.27 -3.73 N | 16.18 -0.45 0.00 N | 19.10 -0.44 0.00 N | 20.30 -0.53 0.00 N | 20.90 -0.42 -0.12 N | 23.27 -0.38 -2.04 N | 29.25 -0.50 -1.78 N | 25.03 -0.40 -3.93 N | 21.97 -0.37 -3.20 N | -1.87 0.14 -4.65 N | 16.16 -0.35 -0.85 N | 20.61 -0.28 -2.91 N | 25.09 -0.21 -9.83 N | 25.06 -0.23 -9.06 N | 33.70 -0.61 -1.40 N | 18.40 -0.24 -6.28 N | 27.73 -0.45 -2.96 N | 32.73 -0.68 0.00 N | 37.72 -0.86 -0.42 N | | |
| FULTON___LFGE 323630 | 86.77 0.44 -82.07 N | 25.31 1.47 -9.21 N | 181.35 -2.81 -212.92 N | 77.28 0.04 -76.73 N | 57.85 0.77 -49.33 N | 87.16 1.13 -75.34 N | 18.39 1.76 0.00 N | 21.75 2.21 0.00 N | 23.20 2.37 0.00 N | 26.22 2.58 -2.43 N | 65.63 2.79 -41.23 N | 67.54 3.64 -35.93 N | 103.49 2.78 -79.21 N | 86.01 2.33 -64.54 N | 86.36 -0.74 -93.76 N | 34.66 1.89 -17.12 N | 79.26 2.59 -58.69 N | 216.16 2.37 -198.30 N | 201.53 2.45 -182.84 N | 65.86 4.76 -28.18 N | 140.93 1.75 -126.82 N | 88.35 3.41 -59.72 N | 37.60 4.19 0.00 N | 51.11 4.45 -8.50 N | | |
| G.F.CEMENT___DRP 24184 | 75.02 0.39 -70.36 N | 23.74 1.22 -7.89 N | 151.41 -2.36 -182.54 N | 66.32 0.04 -65.78 N | 50.60 0.56 -42.29 N | 75.96 0.68 -64.59 N | 17.57 0.93 0.00 N | 20.78 1.24 0.00 N | 22.10 1.27 0.00 N | 24.81 1.52 -2.09 N | 58.64 1.68 -35.35 N | 60.99 2.22 -30.80 N | 91.16 1.75 -67.90 N | 75.90 1.45 -55.32 N | 73.22 -0.49 -80.37 N | 31.45 1.11 -14.67 N | 69.69 1.39 -50.31 N | 186.77 1.28 -170.00 N | 174.32 1.34 -156.75 N | 59.75 2.68 -24.16 N | 122.07 0.99 -108.73 N | 78.26 1.84 -51.19 N | 35.73 2.32 0.00 N | 48.09 2.64 -7.29 N | | |
| GARDENVILLE___LBMP 24039 | 12.79 -0.31 -8.83 N | 14.30 -1.33 -0.99 N | -3.42 2.43 -22.91 N | 8.69 -0.07 -8.26 N | 12.59 -0.46 -5.31 N | 17.97 -0.83 -8.10 N | 15.24 -1.39 0.00 N | 18.22 -1.32 0.00 N | 19.01 -1.82 0.00 N | 19.89 -1.58 -0.26 N | 24.43 -1.62 -4.44 N | 29.64 -2.20 -3.86 N | 28.19 -1.84 -8.52 N | 24.33 -1.76 -6.95 N | 4.12 0.68 -10.10 N | 15.90 -1.60 -1.84 N | 22.88 -1.42 -6.32 N | 35.60 -1.22 -21.33 N | 34.72 -1.19 -19.67 N | 33.02 -2.93 -3.03 N | 24.90 -1.10 -13.64 N | 29.98 -1.67 -6.42 N | 31.44 -1.97 0.00 N | 37.06 -2.02 -0.92 N | | |
| GENERAL___MILLS 23808 | 12.81 -0.30 -8.84 N | 14.34 -1.29 -0.99 N | -3.48 2.35 -22.94 N | 8.70 -0.07 -8.27 N | 12.62 -0.43 -5.31 N | 18.01 -0.80 -8.12 N | 15.31 -1.32 0.00 N | 18.29 -1.25 0.00 N | 19.09 -1.74 0.00 N | 19.96 -1.51 -0.26 N | 24.51 -1.54 -4.44 N | 29.74 -2.10 -3.87 N | 28.27 -1.77 -8.54 N | 24.41 -1.69 -6.96 N | 4.11 0.65 -10.11 N | 15.96 -1.54 -1.85 N | 22.95 -1.35 -6.32 N | 35.69 -1.16 -21.36 N | 34.81 -1.12 -19.70 N | 33.16 -2.80 -3.04 N | 24.97 -1.06 -13.66 N | 30.10 -1.56 -6.43 N | 31.57 -1.84 0.00 N | 37.18 -1.89 -0.92 N | | |
| GE_PLASTICS___DRP 24183 | 72.43 0.20 -67.97 N | 22.97 0.71 -7.62 N | 146.29 -1.28 -176.34 N | 64.07 0.02 -63.54 N | 48.95 0.35 -40.86 N | 73.56 0.47 -62.39 N | 17.31 0.68 0.00 N | 20.39 0.84 0.00 N | 21.66 0.83 0.00 N | 24.16 0.94 -2.02 N | 56.77 1.02 -34.14 N | 59.08 1.35 -29.76 N | 88.07 1.02 -65.54 N | 73.32 0.88 -53.31 N | 70.49 -0.30 -77.45 N | 30.49 0.69 -14.14 N | 67.41 0.85 -48.57 N | 180.47 0.76 -164.23 N | 168.46 0.81 -151.42 N | 57.87 1.62 -23.34 N | 118.01 0.62 -105.03 N | 75.89 1.21 -49.45 N | 34.93 1.53 0.00 N | 46.88 1.70 -7.02 N | | |
| GILBOA___1 23756 | 57.00 0.21 -52.52 N | 21.32 0.80 -5.89 N | 105.97 -1.52 -136.25 N | 49.63 0.02 -49.10 N | 39.74 0.43 -31.57 N | 59.47 0.57 -48.21 N | 17.37 0.74 0.00 N | 20.40 0.86 0.00 N | 21.67 0.84 0.00 N | 23.72 0.96 -1.56 N | 49.05 1.05 -26.38 N | 52.36 1.39 -22.99 N | 73.26 1.06 -50.71 N | 61.41 0.94 -41.34 N | 53.11 -0.29 -60.06 N | 27.31 0.69 -10.96 N | 56.39 0.85 -37.57 N | 143.11 0.74 -126.89 N | 134.02 0.79 -117.00 N | 52.55 1.60 -18.03 N | 94.13 0.62 -81.15 N | 64.68 1.25 -38.21 N | 35.01 1.60 0.00 N | 45.44 1.84 -5.45 N | | |
| GILBOA___2 23757 | 57.00 0.21 -52.52 N | 21.32 0.80 -5.89 N | 105.97 -1.52 -136.25 N | 49.63 0.02 -49.10 N | 39.74 0.43 -31.57 N | 59.47 0.57 -48.21 N | 17.37 0.74 0.00 N | 20.40 0.86 0.00 N | 21.67 0.84 0.00 N | 23.72 0.96 -1.56 N | 49.05 1.05 -26.38 N | 52.36 1.39 -22.99 N | 73.26 1.06 -50.71 N | 61.41 0.94 -41.34 N | 53.11 -0.29 -60.06 N | 27.31 0.69 -10.96 N | 56.39 0.85 -37.57 N | 143.11 0.74 -126.89 N | 134.02 0.79 -117.00 N | 52.55 1.60 -18.03 N | 94.13 0.62 -81.15 N | 64.68 1.25 -38.21 N | 35.01 1.60 0.00 N | 45.44 1.84 -5.45 N | | |
| GILBOA___3 23758 | 57.00 0.21 -52.52 N | 21.32 0.80 -5.89 N | 105.97 -1.52 -136.25 N | 49.63 0.02 -49.10 N | 39.74 0.43 -31.57 N | 59.47 0.57 -48.21 N | 17.37 0.74 0.00 N | 20.40 0.86 0.00 N | 21.67 0.84 0.00 N | 23.72 0.96 -1.56 N | 49.05 1.05 -26.38 N | 52.36 1.39 -22.99 N | 73.26 1.06 -50.71 N | 61.41 0.94 -41.34 N | 53.11 -0.29 -60.06 N | 27.31 0.69 -10.96 N | 56.39 0.85 -37.57 N | 143.11 0.74 -126.89 N | 134.02 0.79 -117.00 N | 52.55 1.60 -18.03 N | 94.13 0.62 -81.15 N | 64.68 1.25 -38.21 N | 35.01 1.60 0.00 N | 45.44 1.84 -5.45 N | | |
| GILBOA___4 23759 | 57.00 0.21 -52.52 N | 21.32 0.80 -5.89 N | 105.97 -1.52 -136.25 N | 49.63 0.02 -49.10 N | 39.74 0.43 -31.57 N | 59.47 0.57 -48.21 N | 17.37 0.74 0.00 N | 20.40 0.86 0.00 N | 21.67 0.84 0.00 N | 23.72 0.96 -1.56 N | 49.05 1.05 -26.38 N | 52.36 1.39 -22.99 N | 73.26 1.06 -50.71 N | 61.41 0.94 -41.34 N | 53.11 -0.29 -60.06 N | 27.31 0.69 -10.96 N | 56.39 0.85 -37.57 N | 143.11 0.74 -126.89 N | 134.02 0.79 -117.00 N | 52.55 1.60 -18.03 N | 94.13 0.62 -81.15 N | 64.68 1.25 -38.21 N | 35.01 1.60 0.00 N | 45.44 1.84 -5.45 N | | |
| GILBOA____ | 57.00 | 21.32 | 105.97 | 49.63 | 39.74 | 59.47 | 17.37 | 20.40 | 21.67 | 23.72 | 49.05 | 52.36 | 73.26 | 61.41 | 53.11 | 27.31 | 56.39 | 143.11 | 134.02 | 52.55 | 94.13 | 64.68 | 35.01 | 45.44 | | |

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| 23599 | 0.21 -52.52 N | 0.80 -5.89 N | -1.52 -136.25 N | 0.02 -49.10 N | 0.43 -31.57 N | 0.57 -48.21 N | 0.74 0.00 N | 0.86 0.00 N | 0.84 0.00 N | 0.96 -1.56 N | 1.05 -26.38 N | 1.39 -22.99 N | 1.06 -50.71 N | 0.94 -41.34 N | -0.29 -60.06 N | 0.69 -10.96 N | 0.85 -37.57 N | 0.74 -126.89 N | 0.79 -117.00 N | 1.60 -18.03 N | 0.62 -81.15 N | 1.25 -38.21 N | 1.60 0.00 N | 1.84 -5.45 N |
| GINNA____ 23603 | 10.23 -0.33 -6.29 N | 14.14 -1.20 -0.70 N | -10.15 2.31 -16.31 N | 6.33 -0.06 -5.88 N | 10.97 -0.55 -3.78 N | 15.65 -0.82 -5.77 N | 15.36 -1.27 0.00 N | 18.23 -1.31 0.00 N | 19.29 -1.54 0.00 N | 19.86 -1.53 -0.19 N | 23.12 -1.65 -3.16 N | 28.73 -1.99 -2.75 N | 25.99 -1.58 -6.07 N | 22.61 -1.47 -4.95 N | 1.04 0.51 -7.19 N | 15.71 -1.26 -1.31 N | 21.27 -1.21 -4.50 N | 29.68 -0.99 -15.19 N | 29.23 -1.01 -14.00 N | 32.66 -2.41 -2.16 N | 21.14 -0.93 -9.71 N | 28.22 -1.58 -4.57 N | 31.21 -2.20 0.00 N | 36.22 -2.59 -0.65 N |
| GLEN PARK____ 23778 | 6.36 0.09 -2.00 N | 15.11 0.25 -0.22 N | -23.96 -0.39 -5.20 N | 3.08 0.00 -2.57 N | 10.48 0.15 -2.59 N | 14.24 0.17 -3.37 N | 17.25 0.28 -0.35 N | 19.87 0.32 0.00 N | 21.20 0.37 0.00 N | 21.84 0.57 -0.06 N | 23.36 0.74 -1.01 N | 29.89 1.04 -0.88 N | 24.18 0.74 -1.93 N | 21.32 0.61 -1.58 N | -4.58 -0.21 -2.29 N | 16.58 0.50 -0.42 N | 19.97 0.56 -1.43 N | 21.02 0.70 -4.84 N | 21.45 0.75 -4.46 N | 35.10 1.50 -0.69 N | 16.03 0.58 -3.10 N | 28.12 1.01 -1.88 N | 34.66 1.25 0.00 N | 39.64 1.27 -0.21 N |
| GLENWOOD_IC_1_G5 23712 | 120.78 0.41 -116.09 N | 22.37 1.69 -6.05 N | 108.22 -2.85 -139.83 N | 50.95 0.05 -50.39 N | 40.85 0.71 -32.40 N | 66.62 1.04 -54.88 N | 18.29 1.66 0.00 N | 21.60 2.06 0.00 N | 22.94 2.11 0.00 N | 24.88 2.08 -1.60 N | 57.32 2.23 -33.48 N | 105.15 3.00 -74.18 N | 130.31 2.25 -106.56 N | 76.84 2.02 -55.69 N | 84.70 -0.71 -92.07 N | 57.37 1.67 -40.05 N | 100.03 1.96 -80.09 N | 170.49 1.68 -153.33 N | 162.98 1.81 -144.93 N | 124.51 3.60 -88.00 N | 119.56 1.33 -105.87 N | 87.53 2.77 -59.53 N | 41.59 3.52 -4.66 N | 47.46 3.66 -5.64 N |
| GLENWOOD_IC_2_G1 23688 | 120.76 0.39 -116.09 N | 22.27 1.58 -6.05 N | 108.39 -2.68 -139.83 N | 50.94 0.05 -50.39 N | 40.81 0.67 -32.40 N | 66.56 0.99 -54.88 N | 18.19 1.56 0.00 N | 21.48 1.94 0.00 N | 22.79 1.97 0.00 N | 24.77 1.96 -1.60 N | 54.07 2.10 -30.36 N | 81.22 2.83 -50.42 N | 123.33 2.13 -99.69 N | 76.74 1.92 -55.69 N | 72.75 -0.67 -80.08 N | 43.26 1.59 -26.02 N | 88.56 1.85 -68.73 N | 159.44 1.59 -142.37 N | 154.59 1.70 -136.66 N | 108.19 3.40 -71.88 N | 114.92 1.26 -101.31 N | 77.66 2.61 -49.82 N | 39.13 3.32 -2.41 N | 47.26 3.48 -5.62 N |
| GLENWOOD_IC_3_G1 23689 | 120.76 0.39 -116.09 N | 22.27 1.58 -6.05 N | 108.39 -2.68 -139.83 N | 50.94 0.05 -50.39 N | 40.81 0.67 -32.40 N | 66.56 0.99 -54.88 N | 18.19 1.56 0.00 N | 21.48 1.94 0.00 N | 22.79 1.97 0.00 N | 24.77 1.96 -1.60 N | 54.07 2.10 -30.36 N | 81.22 2.83 -50.42 N | 123.33 2.13 -99.69 N | 76.74 1.92 -55.69 N | 72.75 -0.67 -80.08 N | 43.26 1.59 -26.02 N | 88.56 1.85 -68.73 N | 159.44 1.59 -142.37 N | 154.59 1.70 -136.66 N | 108.19 3.40 -71.88 N | 114.92 1.26 -101.31 N | 77.66 2.61 -49.82 N | 39.13 3.32 -2.41 N | 47.26 3.48 -5.62 N |
| GLENWOOD____4 23550 | 120.78 0.41 -116.09 N | 22.37 1.69 -6.05 N | 108.22 -2.85 -139.83 N | 50.95 0.05 -50.39 N | 40.85 0.71 -32.40 N | 66.62 1.04 -54.88 N | 18.29 1.66 0.00 N | 21.60 2.06 0.00 N | 22.94 2.11 0.00 N | 24.88 2.08 -1.60 N | 57.33 2.23 -33.49 N | 105.20 3.00 -74.24 N | 130.33 2.25 -106.57 N | 76.84 2.02 -55.69 N | 84.73 -0.71 -92.10 N | 57.40 1.67 -40.08 N | 100.05 1.96 -80.11 N | 170.51 1.68 -153.33 N | 163.00 1.82 -144.95 N | 124.54 3.60 -88.03 N | 119.57 1.33 -105.88 N | 87.55 2.77 -59.55 N | 41.60 3.53 -4.66 N | 47.46 3.66 -5.64 N |
| GLENWOOD____5 23614 | 120.78 0.41 -116.09 N | 22.37 1.69 -6.05 N | 108.22 -2.85 -139.83 N | 50.95 0.05 -50.39 N | 40.85 0.71 -32.40 N | 66.62 1.04 -54.88 N | 18.29 1.66 0.00 N | 21.60 2.06 0.00 N | 22.94 2.11 0.00 N | 24.88 2.08 -1.60 N | 57.33 2.23 -33.49 N | 105.20 3.00 -74.24 N | 130.33 2.25 -106.57 N | 76.84 2.02 -55.69 N | 84.73 -0.71 -92.10 N | 57.40 1.67 -40.08 N | 100.05 1.96 -80.11 N | 170.51 1.68 -153.33 N | 163.00 1.82 -144.95 N | 124.54 3.60 -88.03 N | 119.57 1.33 -105.88 N | 87.55 2.77 -59.55 N | 41.60 3.53 -4.66 N | 47.46 3.66 -5.64 N |
| GLOBAL GREEN_PORT_GT1 23814 | 121.38 1.01 -116.09 N | 24.40 3.72 -6.05 N | 104.70 -6.36 -139.83 N | 51.02 0.13 -50.39 N | 41.82 1.68 -32.40 N | 67.96 2.38 -54.88 N | 20.41 3.77 0.00 N | 24.17 4.63 0.00 N | 25.77 4.94 0.00 N | 27.88 5.08 -1.60 N | 55.54 5.42 -28.51 N | 71.78 7.43 -36.37 N | 122.70 5.57 -95.63 N | 79.71 4.89 -55.69 N | 64.75 -1.59 -73.00 N | 37.25 3.87 -17.73 N | 84.80 4.81 -62.01 N | 155.45 4.44 -135.52 N | 152.52 4.67 -131.63 N | 103.84 8.95 -61.97 N | 114.32 3.34 -98.62 N | 75.87 6.57 -44.08 N | 42.82 8.33 -1.08 N | 52.36 8.60 -5.60 N |
| GLOBE____DSASP 323697 | 12.09 -0.40 -8.23 N | 14.07 -1.48 -0.92 N | -4.92 2.50 -21.34 N | 8.12 -0.07 -7.69 N | 12.13 -0.56 -4.94 N | 17.30 -0.95 -7.55 N | 15.10 -1.53 0.00 N | 18.08 -1.47 0.00 N | 18.91 -1.92 0.00 N | 19.41 -2.04 -0.24 N | 23.37 -2.37 -4.13 N | 28.39 -3.18 -3.60 N | 26.86 -2.58 -7.94 N | 23.21 -2.40 -6.48 N | 3.56 0.81 -9.41 N | 15.32 -2.06 -1.72 N | 21.81 -2.05 -5.88 N | 33.60 -1.75 -19.87 N | 32.80 -1.76 -18.32 N | 31.63 -4.11 -2.83 N | 23.50 -1.57 -12.71 N | 28.97 -2.24 -5.99 N | 30.66 -2.75 0.00 N | 36.25 -2.76 -0.85 N |
| GOETHSLN____LBMP 323567 | 58.50 0.34 -53.89 N | 22.06 1.38 -6.05 N | 108.72 -2.32 -139.81 N | 50.93 0.04 -50.38 N | 40.72 0.58 -32.39 N | 61.02 0.86 -49.47 N | 17.98 1.35 0.00 N | 21.22 1.68 0.00 N | 22.53 1.71 0.00 N | 24.54 1.73 -1.60 N | 50.53 1.84 -27.07 N | 54.07 2.51 -23.59 N | 75.44 1.90 -52.04 N | 63.31 1.73 -42.45 N | 54.40 -0.62 -61.68 N | 28.37 1.45 -11.26 N | 54.79 1.66 -35.15 N | 63.44 1.42 -46.54 N | 119.44 1.53 -101.68 N | -41.43 3.03 77.37 N | 88.31 1.11 -74.84 N | 66.89 2.46 -39.21 N | 36.48 3.07 0.00 N | 46.94 3.18 -5.59 N |
| GOODYEAR_LAKE_HYD 323669 | 19.81 0.15 -15.40 N | 16.87 0.51 -1.73 N | 10.28 -0.90 -39.94 N | 14.91 0.01 -14.40 N | 17.28 0.28 -9.25 N | 25.20 0.38 -14.13 N | 17.16 0.52 0.00 N | 20.23 0.69 0.00 N | 21.52 0.69 0.00 N | 22.51 0.85 -0.46 N | 30.31 0.96 -7.73 N | 35.97 1.26 -6.74 N | 37.27 0.91 -14.86 N | 32.01 0.77 -12.11 N | 10.73 -0.21 -17.59 N | 19.44 0.57 -3.21 N | 29.82 0.83 -11.01 N | 53.44 0.76 -37.20 N | 51.34 0.81 -34.30 N | 39.74 1.54 -5.29 N | 36.72 0.57 -23.79 N | 37.55 1.13 -11.20 N | 34.82 1.41 0.00 N | 41.23 1.47 -1.60 N |
| GOUDEY____7 23579 | 21.59 0.00 -17.33 N | 16.38 -0.20 -1.94 N | 16.71 0.52 -44.95 N | 16.68 -0.02 -16.20 N | 18.16 0.00 -10.42 N | 26.47 -0.13 -15.91 N | 16.31 -0.32 0.00 N | 19.25 -0.29 0.00 N | 20.32 -0.51 0.00 N | 21.59 -0.13 -0.51 N | 30.37 0.05 -8.70 N | 35.64 0.08 -7.59 N | 38.22 -0.01 -16.73 N | 32.70 -0.08 -13.64 N | 13.30 0.14 -19.82 N | 19.08 -0.20 -3.62 N | 30.42 0.04 -41.87 N | 57.37 0.02 -38.60 N | 54.89 0.06 -5.95 N | 38.79 -0.07 -26.78 N | 39.11 -0.02 -12.61 N | 37.75 -0.08 0.00 N | 33.44 0.03 0.00 N | 39.97 0.02 -1.80 N |
| GOUDEY____8 23580 | 21.59 0.00 -17.33 N | 16.38 -0.20 -1.94 N | 16.71 0.52 -44.95 N | 16.68 -0.02 -16.20 N | 18.16 0.00 -10.42 N | 26.47 -0.13 -15.91 N | 16.31 -0.32 0.00 N | 19.25 -0.29 0.00 N | 20.32 -0.51 0.00 N | 21.59 -0.13 -0.51 N | 30.37 0.05 -8.70 N | 35.64 0.08 -7.59 N | 38.22 -0.01 -16.73 N | 32.70 -0.08 -13.64 N | 13.30 0.14 -19.82 N | 19.08 -0.20 -3.62 N | 30.42 0.04 -41.87 N | 57.37 0.02 -38.60 N | 54.89 0.06 -5.95 N | 38.79 -0.07 -26.78 N | 39.11 -0.02 -12.61 N | 37.75 -0.08 0.00 N | 33.44 0.03 0.00 N | 39.97 0.02 -1.80 N |

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|---------------|--------|-------|---------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| GOWANUS_GT1_1 | 58.55 | 22.16 | 108.60 | 50.94 | 40.78 | 61.09 | 18.09 | 21.34 | 22.63 | 24.70 | 50.73 | 54.35 | 75.66 | 63.52 | 145.00 | 193.81 | 191.43 | 359.59 | 234.00 | 287.12 | 230.79 | 201.43 | 194.02 | 67.61 |
| 24077 | 0.39 | 1.48 | -2.45 | 0.05 | 0.64 | 0.93 | 1.46 | 1.80 | 1.81 | 1.90 | 2.05 | 2.79 | 2.12 | 1.93 | -0.67 | 1.60 | 1.85 | 1.59 | 1.73 | 3.42 | 1.25 | 2.68 | 3.36 | 3.57 |
| | -53.89 | -6.05 | -139.81 | -50.38 | -32.39 | -49.47 | 0.00 | 0.00 | 0.00 | -1.60 | -27.07 | -23.59 | -52.05 | -42.46 | -152.33 | -176.55 | -171.60 | -342.52 | -216.04 | -250.78 | -217.18 | -173.52 | -157.26 | -25.88 |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| GOWANUS_GT1_2 | 58.55 | 22.16 | 108.60 | 50.94 | 40.78 | 61.09 | 18.09 | 21.34 | 22.63 | 24.70 | 50.73 | 54.35 | 75.66 | 63.52 | 145.00 | 193.81 | 191.43 | 359.59 | 234.00 | 287.12 | 230.79 | 201.43 | 194.02 | 67.61 |
| 24078 | 0.39 | 1.48 | -2.45 | 0.05 | 0.64 | 0.93 | 1.46 | 1.80 | 1.81 | 1.90 | 2.05 | 2.79 | 2.12 | 1.93 | -0.67 | 1.60 | 1.85 | 1.59 | 1.73 | 3.42 | 1.25 | 2.68 | 3.36 | 3.57 |
| | -53.89 | -6.05 | -139.81 | -50.38 | -32.39 | -49.47 | 0.00 | 0.00 | 0.00 | -1.60 | -27.07 | -23.59 | -52.05 | -42.46 | -152.33 | -176.55 | -171.60 | -342.52 | -216.04 | -250.78 | -217.18 | -173.52 | -157.26 | -25.88 |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| GOWANUS_GT1_3 | 58.55 | 22.16 | 108.60 | 50.94 | 40.78 | 61.09 | 18.09 | 21.34 | 22.63 | 24.70 | 50.73 | 54.35 | 75.66 | 63.52 | 145.00 | 193.81 | 191.43 | 359.59 | 234.00 | 287.12 | 230.79 | 201.43 | 194.02 | 67.61 |
| 24079 | 0.39 | 1.48 | -2.45 | 0.05 | 0.64 | 0.93 | 1.46 | 1.80 | 1.81 | 1.90 | 2.05 | 2.79 | 2.12 | 1.93 | -0.67 | 1.60 | 1.85 | 1.59 | 1.73 | 3.42 | 1.25 | 2.68 | 3.36 | 3.57 |
| | -53.89 | -6.05 | -139.81 | -50.38 | -32.39 | -49.47 | 0.00 | 0.00 | 0.00 | -1.60 | -27.07 | -23.59 | -52.05 | -42.46 | -152.33 | -176.55 | -171.60 | -342.52 | -216.04 | -250.78 | -217.18 | -173.52 | -157.26 | -25.88 |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| GOWANUS_GT1_4 | 58.55 | 22.16 | 108.60 | 50.94 | 40.78 | 61.09 | 18.09 | 21.34 | 22.63 | 24.70 | 50.73 | 54.35 | 75.66 | 63.52 | 145.00 | 193.81 | 191.43 | 359.59 | 234.00 | 287.12 | 230.79 | 201.43 | 194.02 | 67.61 |
| 24080 | 0.39 | 1.48 | -2.45 | 0.05 | 0.64 | 0.93 | 1.46 | 1.80 | 1.81 | 1.90 | 2.05 | 2.79 | 2.12 | 1.93 | -0.67 | 1.60 | 1.85 | 1.59 | 1.73 | 3.42 | 1.25 | 2.68 | 3.36 | 3.57 |
| | -53.89 | -6.05 | -139.81 | -50.38 | -32.39 | -49.47 | 0.00 | 0.00 | 0.00 | -1.60 | -27.07 | -23.59 | -52.05 | -42.46 | -152.33 | -176.55 | -171.60 | -342.52 | -216.04 | -250.78 | -217.18 | -173.52 | -157.26 | -25.88 |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| GOWANUS_GT1_5 | 58.55 | 22.16 | 108.60 | 50.94 | 40.78 | 61.09 | 18.09 | 21.34 | 22.63 | 24.70 | 50.73 | | | | | | | | | | | | | |

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|---------------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|
| 24133 | 0.39 -53.89 N | 1.48 -6.05 N | -2.45 -139.81 N | 0.05 -50.38 N | 0.64 -32.39 N | 0.93 -49.47 N | 1.46 0.00 N | 1.80 0.00 N | 1.81 0.00 N | 1.90 -1.60 N | 2.05 -27.07 N | 2.79 -23.59 N | 2.12 -52.05 N | 1.93 -42.46 N | -0.67 -152.33 N | 1.60 -176.55 N | 1.85 -171.60 N | 1.59 -342.52 N | 1.73 -216.04 N | 3.42 -250.78 N | 1.25 -217.18 N | 2.68 -173.52 N | 3.36 -157.26 N | 3.57 -25.88 N |
| GOWANUS_GT4_5 24134 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| GOWANUS_GT4_6 24135 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| GOWANUS_GT4_7 24136 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| GOWANUS_GT4_8 24137 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| GREENIDGE___3 23582 | 14.45 -0.08 -10.26 N | 15.28 -0.51 -1.15 N | -1.06 1.09 -26.62 N | 10.07 -0.03 -9.59 N | 13.79 -0.12 -6.17 N | 19.79 -0.32 -9.42 N | 16.05 -0.58 0.00 N | 19.06 -0.49 0.00 N | 20.10 -0.73 0.00 N | 21.16 -0.35 -0.30 N | 26.57 -0.20 -5.16 N | 32.25 -0.22 -4.49 N | 31.16 -0.25 -9.91 N | 26.91 -0.31 -8.08 N | 5.28 0.21 -11.74 N | 17.41 -0.39 -2.14 N | 25.25 -0.07 -7.34 N | 40.24 -0.04 -24.80 N | 39.10 0.01 -22.86 N | 36.13 -0.30 -3.52 N | 28.09 -0.12 -15.86 N | 32.49 -0.20 -7.47 N | 33.18 -0.22 0.00 N | 38.90 -0.33 -1.06 N |
| GREENIDGE___4 23583 | 14.45 -0.08 -10.26 N | 15.28 -0.51 -1.15 N | -1.06 1.09 -26.62 N | 10.07 -0.03 -9.59 N | 13.79 -0.12 -6.17 N | 19.79 -0.32 -9.42 N | 16.05 -0.58 0.00 N | 19.06 -0.49 0.00 N | 20.10 -0.73 0.00 N | 21.16 -0.35 -0.30 N | 26.57 -0.20 -5.16 N | 32.25 -0.22 -4.49 N | 31.16 -0.25 -9.91 N | 26.91 -0.31 -8.08 N | 5.28 0.21 -11.74 N | 17.41 -0.39 -2.14 N | 25.25 -0.07 -7.34 N | 40.24 -0.04 -24.80 N | 39.10 0.01 -22.86 N | 36.13 -0.30 -3.52 N | 28.09 -0.12 -15.86 N | 32.49 -0.20 -7.47 N | 33.18 -0.22 0.00 N | 38.90 -0.33 -1.06 N |
| GROVEVILLE___HYD 323602 | 59.62 0.38 -54.98 N | 22.18 1.38 -6.17 N | 111.44 -2.43 -142.63 N | 51.94 0.04 -51.40 N | 41.43 0.64 -33.05 N | 62.06 0.90 -50.47 N | 18.02 1.39 0.00 N | 21.27 1.73 0.00 N | 22.58 1.75 0.00 N | 24.71 1.87 -1.63 N | 51.26 2.03 -27.62 N | 54.76 2.72 -24.07 N | 76.68 2.07 -53.11 N | 64.35 1.86 -43.36 N | 55.69 -0.65 -62.99 N | 28.70 1.54 -11.50 N | 59.13 1.80 -39.34 N | 149.90 1.58 -132.83 N | 140.40 1.69 -122.48 N | 55.16 3.37 -18.88 N | 98.56 1.25 -84.95 N | 67.75 2.52 -40.00 N | 36.62 3.21 0.00 N | 47.34 3.47 -5.71 N |
| HAMPSHIRE___PAPER_HYD 323593 | 4.26 -0.01 0.00 N | 14.56 -0.07 0.00 N | -28.74 0.03 0.00 N | 2.36 0.00 -1.85 N | 11.40 -0.03 -3.69 N | 14.74 -0.04 -4.08 N | 17.45 -0.10 -0.92 N | 19.26 -0.28 0.00 N | 20.65 -0.18 0.00 N | 21.02 -0.19 0.00 N | 21.43 -0.19 0.00 N | 27.80 -0.17 0.00 N | 21.28 -0.23 0.00 N | 18.96 -0.18 0.00 N | -6.65 0.00 0.00 N | 15.60 -0.05 0.00 N | 17.52 -0.45 0.00 N | 15.34 -0.14 0.00 N | 16.06 -0.17 0.00 N | 32.69 -0.23 0.00 N | 12.34 -0.01 0.00 N | 26.28 -0.08 -1.13 N | 33.52 0.11 0.00 N | 38.40 0.24 0.00 N |
| HARDSCRABBLE_WT_PWR 323673 | 3.15 0.20 1.31 N | 15.07 0.59 0.15 N | -33.25 -1.08 3.41 N | -0.70 0.03 1.23 N | 7.26 0.31 0.79 N | 9.88 0.39 1.21 N | 17.23 0.60 0.00 N | 20.28 0.74 0.00 N | 21.62 0.79 0.00 N | 22.06 0.90 0.04 N | 22.06 1.11 0.66 N | 28.77 1.37 0.58 N | 21.27 1.04 1.27 N | 19.02 0.92 1.04 N | -8.43 -0.26 1.51 N | 16.15 0.76 0.28 N | 18.08 1.04 0.94 N | 13.28 0.97 3.18 N | 14.32 1.02 2.93 N | 34.50 2.04 0.45 N | 11.12 0.79 2.03 N | 25.59 1.33 0.96 N | 35.12 1.71 0.00 N | 39.86 1.84 0.14 N |
| HARZA MOOSE___RIVER 24016 | 4.30 0.04 0.00 N | 14.71 0.08 0.00 N | -28.87 -0.11 0.00 N | 1.02 0.00 -0.52 N | 8.82 0.05 -1.03 N | 11.88 0.05 -1.14 N | 16.95 0.07 -0.26 N | 19.63 0.09 0.00 N | 20.95 0.12 0.00 N | 21.44 0.23 0.00 N | 21.93 0.31 0.00 N | 28.41 0.44 0.00 N | 21.80 0.30 0.00 N | 19.37 0.24 0.00 N | -6.75 -0.10 0.00 N | 15.86 0.20 0.00 N | 18.21 0.23 0.00 N | 15.80 0.31 0.00 N | 16.57 0.34 0.00 N | 33.57 0.66 0.00 N | 12.60 0.24 0.00 N | 25.98 0.44 -0.31 N | 33.97 0.56 0.00 N | 38.73 0.57 0.00 N |
| HEMPSTEAD___ 23647 | 120.79 0.43 -116.09 N | 22.49 1.81 -6.05 N | 108.07 -2.99 -139.83 N | 50.96 0.06 -50.39 N | 40.87 0.73 -32.40 N | 66.67 1.10 -54.88 N | 18.38 1.75 0.00 N | 21.71 2.17 0.00 N | 23.06 2.23 0.00 N | 24.92 2.12 -1.60 N | 58.14 2.25 -34.29 N | 111.29 3.02 -80.30 N | 132.08 2.25 -108.33 N | 76.85 2.03 -55.69 N | 87.79 -0.71 -95.15 N | 60.98 1.66 -43.65 N | 102.95 1.96 -83.01 N | 172.71 1.67 -155.56 N | 164.87 1.81 -146.82 N | 128.02 3.59 -91.52 N | 120.72 1.32 -107.04 N | 90.03 2.78 -62.03 N | 42.22 3.58 -5.23 N | 47.45 3.64 -5.65 N |
| HICKLING___1 23621 | 17.47 -0.06 -13.25 N | 15.53 -0.59 -1.49 N | 6.95 1.32 -34.39 N | 12.86 -0.04 -12.39 N | 15.63 -0.08 -7.97 N | 22.50 -0.36 -12.17 N | 15.90 -0.73 0.00 N | 18.87 -0.67 0.00 N | 19.78 -1.05 0.00 N | 21.20 -0.40 -0.39 N | 28.15 -0.12 -6.66 N | 33.62 -0.15 -5.80 N | 34.04 -0.26 -12.80 N | 29.24 -0.33 -10.44 N | 8.83 0.32 -15.16 N | 17.92 -0.50 -2.77 N | 27.38 -0.08 -9.48 N | 47.42 -0.09 -32.03 N | 45.74 -0.02 -29.53 N | 37.07 -0.40 -4.55 N | 32.70 -0.14 -20.48 N | 34.51 -0.36 -9.64 N | 33.24 -0.17 0.00 N | 39.35 -0.18 -1.37 N |
| HICKLING___2 23622 | 17.47 -0.06 -13.25 N | 15.53 -0.59 -1.49 N | 6.95 1.32 -34.39 N | 12.86 -0.04 -12.39 N | 15.63 -0.08 -7.97 N | 22.50 -0.36 -12.17 N | 15.90 -0.73 0.00 N | 18.87 -0.67 0.00 N | 19.78 -1.05 0.00 N | 21.20 -0.40 -0.39 N | 28.15 -0.12 -6.66 N | 33.62 -0.15 -5.80 N | 34.04 -0.26 -12.80 N | 29.24 -0.33 -10.44 N | 8.83 0.32 -15.16 N | 17.92 -0.50 -2.77 N | 27.38 -0.08 -9.48 N | 47.42 -0.09 -32.03 N | 45.74 -0.02 -29.53 N | 37.07 -0.40 -4.55 N | 32.70 -0.14 -20.48 N | 34.51 -0.36 -9.64 N | 33.24 -0.17 0.00 N | 39.35 -0.18 -1.37 N |

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|---------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
| HIGH FALLS___HY 23754 | 58.59 0.42 -53.90 N | 21.81 1.13 -6.05 N | 109.30 -1.79 -139.85 N | 50.93 0.03 -50.40 N | 40.60 0.45 -32.40 N | 60.82 0.64 -49.48 N | 17.62 0.99 0.00 N | 20.80 1.25 0.00 N | 22.12 1.30 0.00 N | 24.24 1.44 -1.60 N | 50.31 1.62 -27.08 N | 53.80 2.23 -23.60 N | 75.38 1.72 -52.16 N | 63.43 1.59 -42.71 N | 54.85 -0.54 -62.04 N | 28.27 1.29 -11.33 N | 58.11 1.51 -38.62 N | 147.07 1.34 -130.24 N | 137.81 1.48 -120.09 N | 54.48 3.06 -18.51 N | 96.79 1.14 -83.30 N | 66.69 2.25 -39.22 N | 36.15 2.74 0.00 N | 46.71 2.92 -5.63 N |
| HILLBURN___GT 23639 | 56.23 0.33 -51.63 N | 21.70 1.27 -5.79 N | 102.99 -2.20 -133.96 N | 48.82 0.04 -48.27 N | 39.36 0.58 -31.04 N | 58.91 0.82 -47.40 N | 17.90 1.27 0.00 N | 21.13 1.59 0.00 N | 22.41 1.59 0.00 N | 24.40 1.67 -1.53 N | 49.35 1.80 -25.94 N | 53.02 2.44 -22.61 N | 73.18 1.82 -49.87 N | 61.46 1.64 -40.69 N | 51.86 -0.58 -59.10 N | 27.86 1.41 -10.79 N | 56.54 1.62 -36.94 N | 141.62 1.38 -124.76 N | 132.76 1.49 -115.03 N | 53.60 2.96 -17.73 N | 93.23 1.09 -79.79 N | 65.02 2.23 -37.57 N | 36.20 2.79 0.00 N | 46.55 3.03 -5.36 N |
| HISHELDN_WT_PWR 323625 | 13.46 -0.31 -9.50 N | 14.39 -1.31 -1.07 N | -1.71 2.42 -24.64 N | 9.31 -0.07 -8.88 N | 13.03 -0.42 -5.71 N | 18.63 -0.78 -8.72 N | 15.32 -1.31 0.00 N | 18.28 -1.26 0.00 N | 19.13 -1.70 0.00 N | 20.06 -1.43 -0.28 N | 24.95 -1.43 -4.77 N | 30.21 -1.92 -4.16 N | 29.06 -1.62 -9.17 N | 25.08 -1.54 -7.48 N | 4.83 0.62 -10.86 N | 16.22 -1.42 -1.98 N | 23.57 -1.21 -6.79 N | 37.40 -1.04 -22.95 N | 36.38 -1.00 -21.16 N | 33.66 -2.52 -3.26 N | 26.07 -0.96 -14.67 N | 30.63 -1.51 -6.91 N | 31.65 -1.76 0.00 N | 37.32 -1.82 -0.99 N |
| HOLTSVILLE_IC_1 23690 | 120.85 0.49 -116.09 N | 22.76 2.08 -6.05 N | 107.71 -3.35 -139.83 N | 50.97 0.07 -50.39 N | 41.00 0.86 -32.40 N | 66.84 1.26 -54.88 N | 18.64 2.01 0.00 N | 22.04 2.50 0.00 N | 23.42 2.59 0.00 N | 25.21 2.41 -1.60 N | 52.45 2.44 -28.40 N | 66.81 3.34 -35.51 N | 119.34 2.46 -95.38 N | 77.01 2.19 -55.69 N | 65.17 -0.73 -72.56 N | 34.62 1.75 -17.22 N | 81.64 2.06 -61.60 N | 152.33 1.73 -135.12 N | 149.43 1.87 -131.33 N | 97.95 3.66 -61.38 N | 112.18 1.37 -98.45 N | 71.76 2.81 -43.73 N | 38.04 3.64 -1.00 N | 47.50 3.74 -5.60 N |
| HOLTSVILLE_IC_10 23699 | 120.94 0.58 -116.09 N | 23.02 2.34 -6.05 N | 107.22 -3.85 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.02 1.44 -54.88 N | 18.93 2.30 0.00 N | 22.38 2.84 0.00 N | 23.79 2.96 0.00 N | 25.62 2.82 -1.60 N | 53.12 2.90 -28.62 N | 69.09 3.95 -37.17 N | 120.30 2.94 -95.86 N | 77.43 2.61 -55.69 N | 65.87 -0.87 -73.40 N | 35.94 2.08 -18.20 N | 82.85 2.48 -62.39 N | 153.50 2.13 -135.89 N | 150.43 2.30 -131.90 N | 99.90 4.48 -62.51 N | 112.79 1.67 -98.77 N | 73.03 3.39 -44.41 N | 38.93 4.37 -1.16 N | 48.25 4.48 -5.60 N |
| HOLTSVILLE_IC_2 23691 | 120.85 0.49 -116.09 N | 22.76 2.08 -6.05 N | 107.71 -3.35 -139.83 N | 50.97 0.07 -50.39 N | 41.00 0.86 -32.40 N | 66.84 1.26 -54.88 N | 18.64 2.01 0.00 N | 22.04 2.50 0.00 N | 23.42 2.59 0.00 N | 25.21 2.41 -1.60 N | 52.45 2.44 -28.40 N | 66.81 3.34 -35.51 N | 119.34 2.46 -95.38 N | 77.01 2.19 -55.69 N | 65.17 -0.73 -72.56 N | 34.62 1.75 -17.22 N | 81.64 2.06 -61.60 N | 152.33 1.73 -135.12 N | 149.43 1.87 -131.33 N | 97.95 3.66 -61.38 N | 112.18 1.37 -98.45 N | 71.76 2.81 -43.73 N | 38.04 3.64 -1.00 N | 47.50 3.74 -5.60 N |
| HOLTSVILLE_IC_3 23692 | 120.85 0.49 -116.09 N | 22.76 2.08 -6.05 N | 107.71 -3.35 -139.83 N | 50.97 0.07 -50.39 N | 41.00 0.86 -32.40 N | 66.84 1.26 -54.88 N | 18.64 2.01 0.00 N | 22.04 2.50 0.00 N | 23.42 2.59 0.00 N | 25.21 2.41 -1.60 N | 52.45 2.44 -28.40 N | 66.81 3.34 -35.51 N | 119.34 2.46 -95.38 N | 77.01 2.19 -55.69 N | 65.17 -0.73 -72.56 N | 34.62 1.75 -17.22 N | 81.64 2.06 -61.60 N | 152.33 1.73 -135.12 N | 149.43 1.87 -131.33 N | 97.95 3.66 -61.38 N | 112.18 1.37 -98.45 N | 71.76 2.81 -43.73 N | 38.04 3.64 -1.00 N | 47.50 3.74 -5.60 N |
| HOLTSVILLE_IC_4 23693 | 120.85 0.49 -116.09 N | 22.76 2.08 -6.05 N | 107.71 -3.35 -139.83 N | 50.97 0.07 -50.39 N | 41.00 0.86 -32.40 N | 66.84 1.26 -54.88 N | 18.64 2.01 0.00 N | 22.04 2.50 0.00 N | 23.42 2.59 0.00 N | 25.21 2.41 -1.60 N | 52.45 2.44 -28.40 N | 66.81 3.34 -35.51 N | 119.34 2.46 -95.38 N | 77.01 2.19 -55.69 N | 65.17 -0.73 -72.56 N | 34.62 1.75 -17.22 N | 81.64 2.06 -61.60 N | 152.33 1.73 -135.12 N | 149.43 1.87 -131.33 N | 97.95 3.66 -61.38 N | 112.18 1.37 -98.45 N | 71.76 2.81 -43.73 N | 38.04 3.64 -1.00 N | 47.50 3.74 -5.60 N |
| HOLTSVILLE_IC_5 23694 | 120.85 0.49 -116.09 N | 22.76 2.08 -6.05 N | 107.71 -3.35 -139.83 N | 50.97 0.07 -50.39 N | 41.00 0.86 -32.40 N | 66.84 1.26 -54.88 N | 18.64 2.01 0.00 N | 22.04 2.50 0.00 N | 23.42 2.59 0.00 N | 25.21 2.41 -1.60 N | 52.45 2.44 -28.40 N | 66.81 3.34 -35.51 N | 119.34 2.46 -95.38 N | 77.01 2.19 -55.69 N | 65.17 -0.73 -72.56 N | 34.62 1.75 -17.22 N | 81.64 2.06 -61.60 N | 152.33 1.73 -135.12 N | 149.43 1.87 -131.33 N | 97.95 3.66 -61.38 N | 112.18 1.37 -98.45 N | 71.76 2.81 -43.73 N | 38.04 3.64 -1.00 N | 47.50 3.74 -5.60 N |
| HOLTSVILLE_IC_6 23695 | 120.94 0.58 -116.09 N | 23.02 2.34 -6.05 N | 107.22 -3.85 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.02 1.44 -54.88 N | 18.93 2.30 0.00 N | 22.38 2.84 0.00 N | 23.79 2.96 0.00 N | 25.62 2.82 -1.60 N | 53.12 2.90 -28.62 N | 69.09 3.95 -37.17 N | 120.30 2.94 -95.86 N | 77.43 2.61 -55.69 N | 65.87 -0.87 -73.40 N | 35.94 2.08 -18.20 N | 82.85 2.48 -62.39 N | 153.50 2.13 -135.89 N | 150.43 2.30 -131.90 N | 99.90 4.48 -62.51 N | 112.79 1.67 -98.77 N | 73.03 3.39 -44.41 N | 38.93 4.37 -1.16 N | 48.25 4.48 -5.60 N |
| HOLTSVILLE_IC_7 23696 | 120.94 0.58 -116.09 N | 23.02 2.34 -6.05 N | 107.22 -3.85 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.02 1.44 -54.88 N | 18.93 2.30 0.00 N | 22.38 2.84 0.00 N | 23.79 2.96 0.00 N | 25.62 2.82 -1.60 N | 53.12 2.90 -28.62 N | 69.09 3.95 -37.17 N | 120.30 2.94 -95.86 N | 77.43 2.61 -55.69 N | 65.87 -0.87 -73.40 N | 35.94 2.08 -18.20 N | 82.85 2.48 -62.39 N | 153.50 2.13 -135.89 N | 150.43 2.30 -131.90 N | 99.90 4.48 -62.51 N | 112.79 1.67 -98.77 N | 73.03 3.39 -44.41 N | 38.93 4.37 -1.16 N | 48.25 4.48 -5.60 N |
| HOLTSVILLE_IC_8 23697 | 120.94 0.58 -116.09 N | 23.02 2.34 -6.05 N | 107.22 -3.85 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.02 1.44 -54.88 N | 18.93 2.30 0.00 N | 22.38 2.84 0.00 N | 23.79 2.96 0.00 N | 25.62 2.82 -1.60 N | 53.12 2.90 -28.62 N | 69.09 3.95 -37.17 N | 120.30 2.94 -95.86 N | 77.43 2.61 -55.69 N | 65.87 -0.87 -73.40 N | 35.94 2.08 -18.20 N | 82.85 2.48 -62.39 N | 153.50 2.13 -135.89 N | 150.43 2.30 -131.90 N | 99.90 4.48 -62.51 N | 112.79 1.67 -98.77 N | 73.03 3.39 -44.41 N | 38.93 4.37 -1.16 N | 48.25 4.48 -5.60 N |
| HOLTSVILLE_IC_9 23698 | 120.94 0.58 -116.09 N | 23.02 2.34 -6.05 N | 107.22 -3.85 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.02 1.44 -54.88 N | 18.93 2.30 0.00 N | 22.38 2.84 0.00 N | 23.79 2.96 0.00 N | 25.62 2.82 -1.60 N | 53.12 2.90 -28.62 N | 69.09 3.95 -37.17 N | 120.30 2.94 -95.86 N | 77.43 2.61 -55.69 N | 65.87 -0.87 -73.40 N | 35.94 2.08 -18.20 N | 82.85 2.48 -62.39 N | 153.50 2.13 -135.89 N | 150.43 2.30 -131.90 N | 99.90 4.48 -62.51 N | 112.79 1.67 -98.77 N | 73.03 3.39 -44.41 N | 38.93 4.37 -1.16 N | 48.25 4.48 -5.60 N |
| HOWARD_WT_PWR 323690 | 15.29 -0.16 -11.19 N | 14.98 -0.91 -1.26 N | 2.02 1.76 -29.02 N | 10.91 -0.06 -10.46 N | 14.23 -0.23 -6.73 N | 20.43 -0.53 -10.27 N | 15.74 -0.89 0.00 N | 18.81 -0.73 0.00 N | 19.73 -1.10 0.00 N | 20.96 -0.57 -0.33 N | 26.81 -0.43 -5.62 N | 32.36 -0.51 -4.90 N | 31.68 -0.63 -10.80 N | 27.31 -0.63 -8.81 N | 6.44 0.30 -12.80 N | 17.39 -0.60 -2.34 N | 25.77 -0.21 -8.00 N | 42.42 -0.09 -27.03 N | 41.13 -0.02 -24.92 N | 36.18 -0.57 -3.84 N | 29.39 -0.26 -17.29 N | 33.03 -0.34 -8.14 N | 33.16 -0.25 0.00 N | 38.95 -0.37 -1.16 N |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|---|
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| HQ_GEN_CEDARS 23644 | 4.21 -0.06 0.00 N | 14.44 -0.19 0.00 N | -28.66 0.11 0.00 N | 1.28 0.01 -0.76 N | 9.17 -0.11 -1.53 N | 12.29 -0.10 -1.69 N | 16.90 -0.11 -0.38 N | 19.19 -0.35 0.00 N | 20.62 -0.21 0.00 N | 20.81 -0.40 0.00 N | 21.08 -0.53 0.00 N | 27.24 -0.73 0.00 N | 20.94 -0.57 0.00 N | 18.71 -0.43 0.00 N | -6.56 0.10 0.00 N | 15.42 -0.24 0.00 N | 17.06 -0.92 0.00 N | 15.03 -0.45 0.00 N | 15.70 -0.53 0.00 N | 32.07 -0.85 0.00 N | 12.10 -0.26 0.00 N | 24.91 -0.78 -0.47 N | 32.91 -0.50 0.00 N | 37.85 -0.31 0.00 N | |
| HQ_GEN_CEDARS_PROXY 323590 | 4.21 -0.06 0.00 N | 14.44 -0.19 0.00 N | 27.66 -0.31 -11.03 N | 23.62 -0.24 -9.01 N | 9.17 -0.11 -1.53 N | 12.29 -0.10 -1.69 N | 23.42 -0.33 -5.00 N | 19.19 -0.35 0.00 N | 20.62 -0.21 0.00 N | 5.77 -0.09 -2.24 N | 21.08 -0.53 0.00 N | 27.24 -0.73 0.00 N | 20.94 -0.57 0.00 N | 18.71 -0.43 0.00 N | -6.56 0.10 0.00 N | 15.42 -0.24 0.00 N | 38.22 -1.04 -18.21 N | 15.03 -0.45 0.00 N | 15.70 -0.53 0.00 N | 32.07 -0.85 0.00 N | 12.10 -0.26 0.00 N | 24.91 -0.78 -0.47 N | 32.91 -0.50 0.00 N | 37.85 -0.31 0.00 N | |
| HQ_GEN_IMPORT 323601 | 4.21 -0.06 0.00 N | 12.85 -0.19 1.22 N | -12.37 0.07 3.00 N | -3.39 0.03 0.00 N | 7.63 -0.12 0.00 N | 6.65 -0.12 2.83 N | 15.64 -0.12 0.00 N | 19.29 -0.25 0.00 N | 20.65 -0.18 0.00 N | 17.60 -0.22 -2.24 N | 21.20 -0.40 0.00 N | 27.41 -0.56 0.00 N | 21.08 -0.42 0.00 N | 18.79 -0.34 0.00 N | -6.56 0.10 0.00 N | 15.43 -0.23 0.00 N | 18.43 -0.41 0.00 N | 15.14 -0.34 0.00 N | 15.86 -0.37 0.00 N | 32.28 -0.63 0.00 N | 12.13 -0.22 0.00 N | 24.73 -0.49 0.00 N | 32.85 -0.55 0.00 N | 37.60 -0.56 0.00 N | |
| HQ_GEN_WHEEL 23651 | 4.21 -0.06 0.00 N | 12.85 -0.19 1.22 N | -12.37 0.07 3.00 N | -3.39 0.03 0.00 N | 7.63 -0.12 0.00 N | 6.65 -0.12 2.83 N | 15.64 -0.12 0.00 N | 19.29 -0.25 0.00 N | 20.65 -0.18 0.00 N | 17.60 -0.22 -2.24 N | 21.20 -0.40 0.00 N | 27.41 -0.56 0.00 N | 21.08 -0.42 0.00 N | 18.79 -0.34 0.00 N | -6.56 0.10 0.00 N | 15.43 -0.23 0.00 N | 18.43 -0.41 0.00 N | 15.14 -0.34 0.00 N | 15.86 -0.37 0.00 N | 32.28 -0.63 0.00 N | 12.13 -0.22 0.00 N | 24.73 -0.49 0.00 N | 32.85 -0.55 0.00 N | 37.60 -0.56 0.00 N | |
| HUDSON_AVE_GT_3 23810 | 58.53 0.37 -53.89 N | 22.12 1.44 -6.05 N | 108.63 -2.42 -139.81 N | 50.93 0.04 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.89 -49.47 N | 18.05 1.42 0.00 N | 21.29 1.75 0.00 N | 22.61 1.78 0.00 N | 24.65 1.85 -1.60 N | 50.67 1.98 -27.07 N | 54.25 2.69 -23.59 N | 75.59 2.04 -52.04 N | 63.43 1.85 -42.45 N | 54.36 -0.66 -61.68 N | 28.47 1.55 -11.26 N | 58.31 1.78 -38.56 N | 147.23 1.54 -130.21 N | 137.94 1.65 -120.06 N | 54.70 3.28 -18.50 N | 96.84 1.20 -83.27 N | 66.99 2.56 -39.21 N | 36.63 3.22 0.00 N | 47.16 3.41 -5.59 N | |
| HUDSON_AVE_GT_4 23540 | 58.53 0.37 -53.89 N | 22.12 1.44 -6.05 N | 108.63 -2.42 -139.81 N | 50.93 0.04 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.89 -49.47 N | 18.05 1.42 0.00 N | 21.29 1.75 0.00 N | 22.61 1.78 0.00 N | 24.65 1.85 -1.60 N | 50.67 1.98 -27.07 N | 54.25 2.69 -23.59 N | 75.59 2.04 -52.04 N | 63.43 1.85 -42.45 N | 54.36 -0.66 -61.68 N | 28.47 1.55 -11.26 N | 58.31 1.78 -38.56 N | 147.23 1.54 -130.21 N | 137.94 1.65 -120.06 N | 54.70 3.28 -18.50 N | 96.84 1.20 -83.27 N | 66.99 2.56 -39.21 N | 36.63 3.22 0.00 N | 47.16 3.41 -5.59 N | |
| HUDSON_AVE_GT_5 23657 | 58.53 0.37 -53.89 N | 22.12 1.44 -6.05 N | 108.63 -2.42 -139.81 N | 50.93 0.04 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.89 -49.47 N | 18.05 1.42 0.00 N | 21.29 1.75 0.00 N | 22.61 1.78 0.00 N | 24.65 1.85 -1.60 N | 50.67 1.98 -27.07 N | 54.25 2.69 -23.59 N | 75.59 2.04 -52.04 N | 63.43 1.85 -42.45 N | 54.36 -0.66 -61.68 N | 28.47 1.55 -11.26 N | 58.31 1.78 -38.56 N | 147.23 1.54 -130.21 N | 137.94 1.65 -120.06 N | 54.70 3.28 -18.50 N | 96.84 1.20 -83.27 N | 66.99 2.56 -39.21 N | 36.63 3.22 0.00 N | 47.16 3.41 -5.59 N | |
| HUDSON_AVE_10 24168 | 58.52 0.37 -53.89 N | 22.10 1.43 -6.05 N | 108.66 -2.38 -139.81 N | 50.92 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.47 N | 18.02 1.39 0.00 N | 21.27 1.73 0.00 N | 22.59 1.76 0.00 N | 24.63 1.82 -1.60 N | 50.63 1.95 -27.07 N | 54.21 2.65 -23.59 N | 75.55 2.01 -52.04 N | 63.41 1.82 -42.45 N | 54.37 -0.65 -61.68 N | 28.44 1.52 -11.26 N | 58.29 1.76 -38.56 N | 147.20 1.51 -130.21 N | 137.93 1.64 -120.06 N | 54.65 3.24 -18.50 N | 96.82 1.19 -83.27 N | 66.96 2.52 -39.21 N | 36.62 3.21 0.00 N | 47.15 3.40 -5.59 N | |
| HUNTER_MOUNT___DRP 323613 | 63.54 0.30 -58.96 N | 22.32 1.07 -6.61 N | 122.29 -1.91 -152.97 N | 55.66 0.03 -55.12 N | 43.69 0.50 -35.44 N | 65.50 0.68 -54.12 N | 17.65 1.03 0.00 N | 20.83 1.29 0.00 N | 22.15 1.32 0.00 N | 24.44 1.49 -1.75 N | 52.89 1.66 -29.62 N | 56.03 2.25 -25.81 N | 80.58 1.73 -57.35 N | 68.12 1.55 -47.43 N | 61.72 -0.53 -68.91 N | 29.51 1.27 -12.58 N | 61.93 1.54 -42.41 N | 159.33 1.38 -142.47 N | 149.08 1.49 -131.36 N | 56.15 2.99 -20.25 N | 104.59 1.11 -91.11 N | 70.29 2.16 -42.90 N | 36.13 2.72 0.00 N | 47.39 2.98 -6.25 N | |
| HUNTLEY___63 23557 | 12.30 -0.31 -8.34 N | 14.33 -1.24 -0.94 N | -4.99 2.14 -21.64 N | 8.24 -0.07 -7.80 N | 12.33 -0.42 -5.01 N | 17.59 -0.77 -7.66 N | 15.38 -1.25 0.00 N | 18.40 -1.15 0.00 N | 19.22 -1.61 0.00 N | 19.87 -1.59 -0.25 N | 24.02 -1.78 -4.19 N | 29.20 -2.42 -3.65 N | 27.56 -2.00 -8.06 N | 23.82 -1.89 -6.57 N | 3.55 0.67 -9.54 N | 15.74 -1.66 -1.74 N | 22.41 -1.54 -5.97 N | 34.35 -1.29 -20.16 N | 33.55 -1.26 -18.58 N | 32.67 -3.11 -2.87 N | 24.07 -1.18 -12.89 N | 29.66 -1.63 -6.07 N | 31.46 -1.95 0.00 N | 37.09 -1.94 -0.87 N | |
| HUNTLEY___64 23558 | 12.30 -0.31 -8.34 N | 14.33 -1.24 -0.94 N | -4.99 2.14 -21.64 N | 8.24 -0.07 -7.80 N | 12.33 -0.42 -5.01 N | 17.59 -0.77 -7.66 N | 15.38 -1.25 0.00 N | 18.40 -1.15 0.00 N | 19.22 -1.61 0.00 N | 19.87 -1.59 -0.25 N | 24.02 -1.78 -4.19 N | 29.20 -2.42 -3.65 N | 27.56 -2.00 -8.06 N | 23.82 -1.89 -6.57 N | 3.55 0.67 -9.54 N | 15.74 -1.66 -1.74 N | 22.41 -1.54 -5.97 N | 34.35 -1.29 -20.16 N | 33.55 -1.26 -18.58 N | 32.67 -3.11 -2.87 N | 24.07 -1.18 -12.89 N | 29.66 -1.63 -6.07 N | 31.46 -1.95 0.00 N | 37.09 -1.94 -0.87 N | |
| HUNTLEY___65 23559 | 12.30 -0.31 -8.34 N | 14.33 -1.24 -0.94 N | -4.99 2.14 -21.64 N | 8.24 -0.07 -7.80 N | 12.33 -0.42 -5.01 N | 17.59 -0.77 -7.66 N | 15.38 -1.25 0.00 N | 18.40 -1.15 0.00 N | 19.22 -1.61 0.00 N | 19.87 -1.59 -0.25 N | 24.02 -1.78 -4.19 N | 29.20 -2.42 -3.65 N | 27.56 -2.00 -8.06 N | 23.82 -1.89 -6.57 N | 3.55 0.67 -9.54 N | 15.74 -1.66 -1.74 N | 22.41 -1.54 -5.97 N | 34.35 -1.29 -20.16 N | 33.55 -1.26 -18.58 N | 32.67 -3.11 -2.87 N | 24.07 -1.18 -12.89 N | 29.66 -1.63 -6.07 N | 31.46 -1.95 0.00 N | 37.09 -1.94 -0.87 N | |
| HUNTLEY___66 23560 | 12.30 -0.31 -8.34 N | 14.33 -1.24 -0.94 N | -4.99 2.14 -21.64 N | 8.24 -0.07 -7.80 N | 12.33 -0.42 -5.01 N | 17.59 -0.77 -7.66 N | 15.38 -1.25 0.00 N | 18.40 -1.15 0.00 N | 19.22 -1.61 0.00 N | 19.87 -1.59 -0.25 N | 24.02 -1.78 -4.19 N | 29.20 -2.42 -3.65 N | 27.56 -2.00 -8.06 N | 23.82 -1.89 -6.57 N | 3.55 0.67 -9.54 N | 15.74 -1.66 -1.74 N | 22.41 -1.54 -5.97 N | 34.35 -1.29 -20.16 N | 33.55 -1.26 -18.58 N | 32.67 -3.11 -2.87 N | 24.07 -1.18 -12.89 N | 29.66 -1.63 -6.07 N | 31.46 -1.95 0.00 N | 37.09 -1.94 -0.87 N | |
| HUNTLEY___67 | 12.34 | 14.18 | -4.42 | 8.30 | 12.29 | 17.54 | 15.19 | 18.17 | 18.97 | 19.70 | 23.95 | 29.11 | 27.53 | 23.78 | 3.69 | 15.65 | 22.35 | 34.40 | 33.58 | 32.43 | 24.09 | 29.45 | 31.12 | 36.68 | |

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| 23561 | -0.35 -8.42 N | -1.40 -0.94 N | 2.51 -21.84 N | -0.07 -7.87 N | -0.51 -5.06 N | -0.88 -7.73 N | -1.44 0.00 N | -1.38 0.00 N | -1.86 0.00 N | -1.75 -0.25 N | -1.89 -4.23 N | -2.55 -3.69 N | -2.10 -8.13 N | -1.99 -6.63 N | 0.72 -9.63 N | -1.76 -1.76 N | -1.65 -6.02 N | -1.43 -20.34 N | -1.41 -18.75 N | -3.38 -2.89 N | -1.28 -13.01 N | -1.90 -6.13 N | -2.29 0.00 N | -2.35 -0.87 N |
| HUNTLEY___68 23562 | 12.34 -0.35 -8.42 N | 14.18 -1.40 -0.94 N | -4.42 2.51 -21.84 N | 8.30 -0.07 -7.87 N | 12.29 -0.51 -5.06 N | 17.54 -0.88 -7.73 N | 15.19 -1.44 0.00 N | 18.17 -1.38 0.00 N | 18.97 -1.86 0.00 N | 19.70 -1.75 -0.25 N | 23.95 -1.89 -4.23 N | 29.11 -2.55 -3.69 N | 27.53 -2.10 -8.13 N | 23.78 -1.99 -6.63 N | 3.69 0.72 -9.63 N | 15.65 -1.76 -1.76 N | 22.35 -1.65 -6.02 N | 34.40 -1.43 -20.34 N | 33.58 -1.41 -18.75 N | 32.43 -3.38 -2.89 N | 24.09 -1.28 -13.01 N | 29.45 -1.90 -6.13 N | 31.12 -2.29 0.00 N | 36.68 -2.35 -0.87 N |
| HYLAND___LFGE 323620 | 13.43 -0.04 -9.20 N | 15.28 -0.38 -1.03 N | -4.13 0.76 -23.87 N | 9.07 -0.04 -8.60 N | 13.24 -0.04 -5.53 N | 18.95 -0.19 -8.45 N | 16.29 -0.34 0.00 N | 19.43 -0.11 0.00 N | 20.46 -0.37 0.00 N | 21.40 -0.08 -0.27 N | 26.17 -0.07 -4.62 N | 32.16 0.16 -4.03 N | 30.41 0.02 -8.88 N | 26.29 -0.09 -7.24 N | 3.97 0.11 -10.52 N | 17.36 -0.21 -1.92 N | 24.77 0.21 -6.58 N | 38.01 0.30 -22.23 N | 37.13 0.40 -20.50 N | 36.43 0.35 -3.16 N | 26.69 0.11 -14.22 N | 32.36 0.44 -6.70 N | 33.94 0.53 0.00 N | 39.59 0.48 -0.95 N |
| INDECK___CORINTH 23802 | 75.32 0.30 -70.75 N | 23.51 0.94 -7.94 N | 152.99 -1.80 -183.56 N | 66.68 0.03 -66.15 N | 50.64 0.37 -42.53 N | 76.05 0.41 -64.95 N | 17.11 0.48 0.00 N | 20.24 0.69 0.00 N | 21.54 0.71 0.00 N | 24.24 0.94 -2.10 N | 58.24 1.09 -35.54 N | 60.40 1.46 -30.97 N | 90.96 1.17 -68.28 N | 75.71 0.95 -55.63 N | 73.85 -0.31 -80.82 N | 31.12 0.71 -14.76 N | 69.49 0.91 -50.59 N | 187.31 0.88 -170.95 N | 174.77 0.92 -157.62 N | 59.08 1.87 -24.30 N | 122.37 0.68 -109.33 N | 77.91 1.21 -51.48 N | 34.86 1.45 0.00 N | 47.09 1.60 -7.33 N |
| INDECK___ILION 23567 | 3.10 0.15 1.31 N | 14.94 0.45 0.15 N | -32.99 -0.81 3.41 N | -0.71 0.01 1.23 N | 7.19 0.24 0.79 N | 9.79 0.30 1.21 N | 17.09 0.46 0.00 N | 20.12 0.57 0.00 N | 21.43 0.60 0.00 N | 21.87 0.70 0.04 N | 21.75 0.80 0.66 N | 28.43 1.04 0.58 N | 21.02 0.79 1.27 N | 18.79 0.69 1.04 N | -8.38 -0.22 1.51 N | 15.95 0.56 0.28 N | 17.79 0.75 0.94 N | 12.99 0.69 3.18 N | 14.03 0.73 2.93 N | 33.88 1.42 0.45 N | 10.86 0.54 2.03 N | 25.21 0.94 0.96 N | 34.63 1.22 0.00 N | 39.34 1.32 0.14 N |
| INDECK___OLEAN 23982 | 13.45 -0.12 -9.30 N | 14.77 -0.91 -1.04 N | -2.78 1.85 -24.13 N | 9.12 -0.08 -8.70 N | 13.23 -0.10 -5.59 N | 18.78 -0.45 -8.54 N | 15.78 -0.85 0.00 N | 18.91 -0.63 0.00 N | 19.67 -1.16 0.00 N | 21.19 -0.29 -0.28 N | 26.36 0.08 -4.67 N | 31.96 -0.09 -4.07 N | 30.20 -0.28 -8.98 N | 26.05 -0.40 -7.32 N | 4.32 0.34 -10.64 N | 17.04 -0.56 -1.94 N | 24.63 -0.01 -6.65 N | 38.02 0.06 -22.47 N | 37.13 0.18 -20.72 N | 35.93 -0.18 -3.19 N | 26.66 -0.07 -14.37 N | 32.04 0.05 -6.77 N | 33.68 0.27 0.00 N | 39.34 0.22 -0.96 N |
| INDECK___OSWEGO 23783 | 8.05 -0.12 -3.91 N | 14.63 -0.44 -0.44 N | -17.72 0.91 -10.14 N | 4.14 -0.02 -3.65 N | 9.88 -0.21 -2.35 N | 13.96 -0.32 -3.59 N | 16.10 -0.53 0.00 N | 18.98 -0.57 0.00 N | 20.17 -0.66 0.00 N | 20.74 -0.58 -0.12 N | 23.04 -0.54 -1.96 N | 28.99 -0.69 -1.71 N | 24.73 -0.54 -3.77 N | 21.71 -0.50 -3.08 N | -2.02 0.18 -4.47 N | 16.03 -0.44 -0.81 N | 20.35 -0.42 -2.79 N | 24.58 -0.34 -9.44 N | 24.58 -0.35 -8.70 N | 33.43 -0.83 -1.34 N | 18.07 -0.32 -6.03 N | 27.47 -0.60 -2.84 N | 32.54 -0.87 0.00 N | 37.50 -1.07 -0.40 N |
| INDECK___YERKES 23781 | 12.30 -0.31 -8.34 N | 14.33 -1.24 -0.94 N | -4.99 2.14 -21.64 N | 8.24 -0.07 -7.80 N | 12.33 -0.42 -5.01 N | 17.59 -0.77 -7.66 N | 15.38 -1.25 0.00 N | 18.40 -1.15 0.00 N | 19.22 -1.61 0.00 N | 19.87 -1.59 -0.25 N | 24.02 -1.78 -4.19 N | 29.20 -2.42 -3.65 N | 27.56 -2.00 -8.06 N | 23.82 -1.89 -6.57 N | 3.55 0.67 -9.54 N | 15.74 -1.66 -1.74 N | 22.41 -1.54 -5.97 N | 34.35 -1.29 -20.16 N | 33.55 -1.26 -18.58 N | 32.67 -3.11 -2.87 N | 24.07 -1.18 -12.89 N | 29.66 -1.63 -6.07 N | 31.46 -1.95 0.00 N | 37.09 -1.94 -0.87 N |
| INDIAN POINT_GT_1 24139 | 58.05 0.32 -53.46 N | 21.86 1.23 -6.00 N | 107.81 -2.11 -138.69 N | 50.52 0.04 -49.98 N | 40.43 0.55 -32.14 N | 60.55 0.78 -49.07 N | 17.85 1.22 0.00 N | 21.06 1.52 0.00 N | 22.35 1.52 0.00 N | 24.38 1.59 -1.59 N | 50.19 1.73 -26.86 N | 53.71 2.34 -23.40 N | 74.89 1.76 -51.63 N | 62.84 1.59 -42.12 N | 53.96 -0.56 -61.18 N | 28.17 1.34 -11.17 N | 57.77 1.55 -38.25 N | 145.98 1.33 -129.17 N | 136.76 1.43 -119.10 N | 54.11 2.84 -18.36 N | 96.01 1.04 -82.61 N | 66.28 2.16 -38.90 N | 36.13 2.72 0.00 N | 46.63 2.92 -5.55 N |
| INDIAN POINT_GT_2 23659 | 58.05 0.32 -53.46 N | 21.86 1.23 -6.00 N | 107.81 -2.11 -138.69 N | 50.52 0.04 -49.98 N | 40.43 0.55 -32.14 N | 60.55 0.78 -49.07 N | 17.85 1.22 0.00 N | 21.06 1.52 0.00 N | 22.35 1.52 0.00 N | 24.38 1.59 -1.59 N | 50.19 1.73 -26.86 N | 53.71 2.34 -23.40 N | 74.89 1.76 -51.63 N | 62.84 1.59 -42.12 N | 53.96 -0.56 -61.18 N | 28.17 1.34 -11.17 N | 57.77 1.55 -38.25 N | 145.98 1.33 -129.17 N | 136.76 1.43 -119.10 N | 54.11 2.84 -18.36 N | 96.01 1.04 -82.61 N | 66.28 2.16 -38.90 N | 36.13 2.72 0.00 N | 46.63 2.92 -5.55 N |
| INDIAN POINT_GT_3 24019 | 58.05 0.32 -53.46 N | 21.86 1.23 -6.00 N | 107.81 -2.11 -138.69 N | 50.52 0.04 -49.98 N | 40.43 0.55 -32.14 N | 60.55 0.78 -49.07 N | 17.85 1.22 0.00 N | 21.06 1.52 0.00 N | 22.35 1.52 0.00 N | 24.38 1.59 -1.59 N | 50.19 1.73 -26.86 N | 53.71 2.34 -23.40 N | 74.89 1.76 -51.63 N | 62.84 1.59 -42.12 N | 53.96 -0.56 -61.18 N | 28.17 1.34 -11.17 N | 57.77 1.55 -38.25 N | 145.98 1.33 -129.17 N | 136.76 1.43 -119.10 N | 54.11 2.84 -18.36 N | 96.01 1.04 -82.61 N | 66.28 2.16 -38.90 N | 36.13 2.72 0.00 N | 46.63 2.92 -5.55 N |
| INDIAN POINT___2 23530 | 57.47 0.31 -52.89 N | 21.75 1.19 -5.93 N | 106.42 -2.04 -137.22 N | 49.99 0.03 -49.45 N | 40.07 0.53 -31.79 N | 60.00 0.75 -48.55 N | 17.81 1.18 0.00 N | 21.01 1.47 0.00 N | 22.30 1.47 0.00 N | 24.31 1.53 -1.57 N | 49.84 1.66 -26.57 N | 53.38 2.25 -23.16 N | 74.27 1.69 -51.08 N | 62.34 1.53 -41.67 N | 53.33 -0.55 -60.54 N | 28.01 1.30 -11.05 N | 57.31 1.49 -37.84 N | 144.55 1.27 -127.80 N | 135.44 1.37 -117.83 N | 53.80 2.72 -18.16 N | 95.10 1.01 -81.73 N | 65.77 2.06 -38.48 N | 36.01 2.60 0.00 N | 46.45 2.80 -5.49 N |
| INDIAN POINT___3 23531 | 58.05 0.30 -53.48 N | 21.81 1.18 -6.00 N | 107.97 -2.01 -138.74 N | 50.54 0.03 -50.00 N | 40.41 0.52 -32.15 N | 60.53 0.74 -49.09 N | 17.79 1.16 0.00 N | 20.99 1.45 0.00 N | 22.28 1.45 0.00 N | 24.31 1.52 -1.59 N | 50.12 1.64 -26.87 N | 53.63 2.24 -23.41 N | 74.83 1.68 -51.65 N | 62.79 1.52 -42.13 N | 54.01 -0.54 -61.21 N | 28.12 1.28 -11.17 N | 57.72 1.47 -38.26 N | 145.96 1.26 -129.22 N | 136.73 1.36 -119.14 N | 53.98 2.71 -18.36 N | 96.00 1.00 -82.64 N | 66.18 2.05 -38.91 N | 35.99 2.58 0.00 N | 46.50 2.79 -5.55 N |
| IP CORINTH___1 23988 | 75.37 0.35 -70.75 N | 23.67 1.10 -7.94 N | 152.68 -2.11 -183.56 N | 66.68 0.03 -66.15 N | 50.68 0.41 -42.53 N | 76.07 0.43 -64.95 N | 17.12 0.49 0.00 N | 20.27 0.72 0.00 N | 21.57 0.75 0.00 N | 24.28 0.98 -2.10 N | 58.29 1.14 -35.54 N | 60.46 1.52 -30.97 N | 91.00 1.22 -68.28 N | 75.75 0.99 -55.63 N | 73.83 -0.32 -80.82 N | 31.14 0.73 -14.76 N | 69.50 0.93 -50.59 N | 187.33 0.90 -170.95 N | 174.81 0.95 -157.62 N | 59.16 1.95 -24.30 N | 122.40 0.71 -109.33 N | 77.98 1.28 -51.48 N | 34.94 1.54 0.00 N | 47.18 1.69 -7.33 N |

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| IP____TICONDEROGA 23804 | 73.33 0.63 -68.43 N | 24.25 1.94 -7.68 N | 144.83 -3.94 -177.53 N | 64.55 0.07 -63.97 N | 49.91 1.03 -41.13 N | 74.84 1.33 -62.81 N | 18.59 1.96 0.00 N | 22.06 2.52 0.00 N | 23.36 2.53 0.00 N | 26.07 2.84 -2.03 N | 59.06 3.07 -34.38 N | 61.92 3.99 -29.96 N | 90.67 3.12 -66.05 N | 75.65 2.69 -53.82 N | 70.63 -0.90 -78.18 N | 31.96 2.02 -14.27 N | 69.31 2.40 -48.94 N | 182.97 2.15 -165.34 N | 170.94 2.26 -152.45 N | 61.05 4.64 -23.50 N | 119.81 1.70 -105.74 N | 78.30 3.29 -49.79 N | 37.80 4.39 0.00 N | 50.45 5.20 -7.09 N |
| ISLIP_RES_REC 323679 | 121.00 0.64 -116.09 N | 23.22 2.54 -6.05 N | 106.84 -4.22 -139.83 N | 50.98 0.09 -50.39 N | 41.23 1.09 -32.40 N | 67.16 1.58 -54.88 N | 19.15 2.52 0.00 N | 22.65 3.11 0.00 N | 24.08 3.25 0.00 N | 25.95 3.14 -1.60 N | 53.61 3.25 -28.74 N | 70.54 4.43 -38.13 N | 120.96 3.32 -96.14 N | 77.77 2.95 -55.69 N | 66.24 -0.99 -73.88 N | 36.78 2.35 -18.77 N | 83.66 2.83 -62.85 N | 154.27 2.46 -136.33 N | 151.11 2.64 -132.24 N | 101.21 5.13 -63.16 N | 113.22 1.91 -98.95 N | 73.89 3.87 -44.80 N | 39.61 4.96 -1.25 N | 48.85 5.09 -5.61 N |
| JARVIS____ 23743 | 2.98 0.02 1.31 N | 14.57 0.08 0.15 N | -32.33 -0.15 3.41 N | -0.72 0.00 1.23 N | 7.00 0.05 0.79 N | 9.55 0.06 1.21 N | 16.72 0.06 0.00 N | 19.67 0.12 0.00 N | 20.94 0.11 0.00 N | 21.32 0.16 0.04 N | 21.13 0.18 0.66 N | 27.62 0.23 0.58 N | 20.42 0.19 1.27 N | 18.25 0.15 1.04 N | -8.21 -0.05 1.51 N | 15.51 0.13 0.28 N | 17.21 0.18 0.94 N | 12.45 0.14 3.18 N | 13.46 0.16 2.93 N | 32.75 0.29 0.45 N | 10.43 0.10 2.03 N | 24.47 0.20 0.96 N | 33.66 0.25 0.00 N | 38.27 0.25 0.14 N |
| JENNISON____1 23625 | 22.77 0.20 -18.30 N | 17.23 0.54 -2.05 N | 17.83 -0.90 -47.49 N | 17.62 0.00 -17.11 N | 19.11 0.36 -11.00 N | 27.94 0.45 -16.80 N | 17.23 0.60 0.00 N | 20.38 0.84 0.00 N | 21.62 0.79 0.00 N | 22.93 1.18 -0.54 N | 32.22 1.42 -9.19 N | 37.78 1.80 -8.01 N | 40.45 1.28 -17.67 N | 34.60 1.05 -14.41 N | 13.99 -0.29 -20.93 N | 20.28 0.80 -3.82 N | 32.29 1.22 -13.09 N | 60.83 1.12 -44.22 N | 58.20 1.19 -40.78 N | 41.39 2.19 -6.28 N | 41.47 0.83 -28.28 N | 40.01 1.47 -13.32 N | 35.32 1.91 0.00 N | 42.13 2.07 -1.90 N |
| JENNISON____2 23626 | 22.77 0.19 -18.30 N | 17.21 0.52 -2.05 N | 17.87 -0.86 -47.49 N | 17.62 0.00 -17.11 N | 19.09 0.35 -11.00 N | 27.92 0.43 -16.80 N | 17.21 0.57 0.00 N | 20.35 0.80 0.00 N | 21.58 0.75 0.00 N | 22.88 1.14 -0.54 N | 32.17 1.37 -9.19 N | 37.71 1.73 -8.01 N | 40.40 1.22 -17.67 N | 34.56 1.01 -14.41 N | 14.00 -0.28 -20.93 N | 20.24 0.76 -3.82 N | 32.25 1.18 -13.09 N | 60.78 1.07 -44.22 N | 58.15 1.14 -40.78 N | 41.29 2.10 -6.28 N | 41.43 0.79 -28.28 N | 39.96 1.42 -13.32 N | 35.25 1.85 0.00 N | 42.05 1.99 -1.90 N |
| KEDC_PORT_JEFF_GT2 24210 | 120.94 0.58 -116.09 N | 23.03 2.35 -6.05 N | 107.19 -3.87 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.03 1.45 -54.88 N | 18.94 2.31 0.00 N | 22.39 2.85 0.00 N | 23.80 2.97 0.00 N | 25.63 2.83 -1.60 N | 53.09 2.91 -28.57 N | 68.77 3.97 -36.82 N | 120.22 2.95 -95.77 N | 77.44 2.62 -55.69 N | 65.69 -0.87 -73.22 N | 35.75 2.10 -17.99 N | 82.71 2.50 -62.23 N | 153.36 2.15 -135.73 N | 150.34 2.33 -131.78 N | 99.71 4.52 -62.28 N | 112.75 1.69 -98.70 N | 72.93 3.44 -44.27 N | 38.95 4.42 -1.12 N | 48.30 4.54 -5.60 N |
| KEDC_PORT_JEFF_GT3 24211 | 120.94 0.58 -116.09 N | 23.03 2.35 -6.05 N | 107.19 -3.87 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.03 1.45 -54.88 N | 18.94 2.31 0.00 N | 22.39 2.85 0.00 N | 23.80 2.97 0.00 N | 25.63 2.83 -1.60 N | 53.09 2.91 -28.57 N | 68.77 3.97 -36.82 N | 120.22 2.95 -95.77 N | 77.44 2.62 -55.69 N | 65.69 -0.87 -73.22 N | 35.75 2.10 -17.99 N | 82.71 2.50 -62.23 N | 153.36 2.15 -135.73 N | 150.34 2.33 -131.78 N | 99.71 4.52 -62.28 N | 112.75 1.69 -98.70 N | 72.93 3.44 -44.27 N | 38.95 4.42 -1.12 N | 48.30 4.54 -5.60 N |
| KEDC_GLWD_GT4 24219 | 120.78 0.41 -116.09 N | 22.37 1.69 -6.05 N | 108.22 -2.85 -139.83 N | 50.95 0.05 -50.39 N | 40.85 0.71 -32.40 N | 66.62 1.04 -54.88 N | 18.29 1.66 0.00 N | 21.60 2.06 0.00 N | 22.94 2.11 0.00 N | 24.88 2.08 -1.60 N | 57.32 2.23 -33.48 N | 105.15 3.00 -74.18 N | 130.31 2.25 -106.56 N | 76.84 2.02 -55.69 N | 84.70 -0.71 -92.07 N | 57.37 1.67 -40.05 N | 100.03 1.96 -80.09 N | 170.49 1.68 -153.33 N | 162.98 1.81 -144.93 N | 124.51 3.60 -88.00 N | 119.56 1.33 -105.87 N | 87.53 2.77 -59.53 N | 41.59 3.52 -4.66 N | 47.46 3.66 -5.64 N |
| KEDC_GLWD_GT5 24220 | 120.78 0.41 -116.09 N | 22.37 1.69 -6.05 N | 108.22 -2.85 -139.83 N | 50.95 0.05 -50.39 N | 40.85 0.71 -32.40 N | 66.62 1.04 -54.88 N | 18.29 1.66 0.00 N | 21.60 2.06 0.00 N | 22.94 2.11 0.00 N | 24.88 2.08 -1.60 N | 57.32 2.23 -33.48 N | 105.15 3.00 -74.18 N | 130.31 2.25 -106.56 N | 76.84 2.02 -55.69 N | 84.70 -0.71 -92.07 N | 57.37 1.67 -40.05 N | 100.03 1.96 -80.09 N | 170.49 1.68 -153.33 N | 162.98 1.81 -144.93 N | 124.51 3.60 -88.00 N | 119.56 1.33 -105.87 N | 87.53 2.77 -59.53 N | 41.59 3.52 -4.66 N | 47.46 3.66 -5.64 N |
| KENSICO____ 23655 | 58.41 0.34 -53.80 N | 21.97 1.31 -6.03 N | 108.56 -2.26 -139.58 N | 50.84 0.04 -50.30 N | 40.67 0.58 -32.34 N | 60.91 0.83 -49.39 N | 17.93 1.30 0.00 N | 21.15 1.61 0.00 N | 22.45 1.62 0.00 N | 24.50 1.70 -1.60 N | 50.47 1.83 -27.03 N | 54.01 2.48 -23.55 N | 75.34 1.87 -51.96 N | 63.22 1.70 -42.39 N | 54.32 -0.59 -61.57 N | 28.31 1.41 -11.24 N | 58.10 1.63 -38.49 N | 146.88 1.41 -129.99 N | 137.60 1.52 -119.86 N | 54.40 3.01 -18.47 N | 96.61 1.11 -83.14 N | 66.67 2.30 -39.14 N | 36.30 2.90 0.00 N | 46.85 3.11 -5.58 N |
| KIAC_JFK_GT1 23816 | 58.52 0.36 -53.89 N | 22.11 1.44 -6.05 N | 108.68 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.28 1.73 0.00 N | 22.59 1.77 0.00 N | 24.64 1.84 -1.60 N | 50.61 1.93 -27.07 N | 54.20 2.64 -23.59 N | 75.55 2.01 -52.04 N | 63.42 1.83 -42.45 N | 54.37 -0.65 -61.68 N | 28.45 1.53 -11.26 N | 58.30 1.76 -38.56 N | 147.21 1.52 -130.21 N | 137.95 1.67 -120.06 N | 54.71 3.29 -18.50 N | 96.85 1.22 -83.27 N | 67.00 2.57 -39.21 N | 36.74 3.33 0.00 N | 47.26 3.51 -5.59 N |
| KIAC_JFK_GT2 23817 | 58.52 0.36 -53.89 N | 22.11 1.44 -6.05 N | 108.68 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.03 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.28 1.73 0.00 N | 22.59 1.77 0.00 N | 24.64 1.84 -1.60 N | 50.61 1.93 -27.07 N | 54.20 2.64 -23.59 N | 75.55 2.01 -52.04 N | 63.42 1.83 -42.45 N | 54.37 -0.65 -61.68 N | 28.45 1.53 -11.26 N | 58.30 1.76 -38.56 N | 147.21 1.52 -130.21 N | 137.95 1.67 -120.06 N | 54.71 3.29 -18.50 N | 96.85 1.22 -83.27 N | 67.00 2.57 -39.21 N | 36.74 3.33 0.00 N | 47.26 3.51 -5.59 N |
| KINTIGH____ 23543 | 11.13 -0.33 -7.19 N | 14.17 -1.27 -0.81 N | -7.82 2.29 -18.65 N | 7.17 -0.06 -6.72 N | 11.56 -0.51 -4.32 N | 16.47 -0.82 -6.60 N | 15.32 -1.31 0.00 N | 18.27 -1.27 0.00 N | 19.19 -1.64 0.00 N | 19.80 -1.62 -0.21 N | 23.43 -1.79 -3.61 N | 28.75 -2.37 -3.15 N | 26.54 -1.91 -6.94 N | 23.01 -1.79 -5.66 N | 2.19 0.62 -8.23 N | 15.59 -1.57 -1.50 N | 21.61 -1.51 -5.14 N | 31.50 -1.35 -17.37 N | 30.87 -1.38 -16.02 N | 32.02 -3.36 -2.47 N | 22.19 -1.28 -11.11 N | 28.61 -1.85 -5.23 N | 30.93 -2.48 0.00 N | 36.12 -2.79 -0.75 N |
| LEDERLE____ 23769 | 56.79 0.35 -52.18 N | 21.81 1.33 -5.85 N | 104.30 -2.32 -135.38 N | 49.33 0.04 -48.79 N | 39.72 0.61 -31.37 N | 59.45 0.86 -47.90 N | 17.97 1.34 0.00 N | 21.20 1.66 0.00 N | 22.49 1.66 0.00 N | 24.50 1.75 -1.55 N | 49.71 1.88 -26.21 N | 53.37 2.55 -22.84 N | 73.80 1.90 -50.40 N | 61.97 1.72 -41.11 N | 52.46 -0.61 -59.73 N | 28.03 1.47 -10.90 N | 57.00 1.69 -37.33 N | 143.01 1.44 -126.08 N | 134.04 1.56 -116.25 N | 53.92 3.09 -17.92 N | 94.13 1.14 -80.64 N | 65.52 2.33 -37.97 N | 36.36 2.95 0.00 N | 46.78 3.20 -5.42 N |

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| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| LINDEN COGEN____ 23786 | 58.49 0.34 -53.88 N | 22.06 1.38 -6.05 N | 108.73 -2.31 -139.81 N | 50.92 0.04 -50.38 N | 40.71 0.57 -32.39 N | 61.01 0.85 -49.47 N | 17.98 1.34 0.00 N | 21.21 1.67 0.00 N | 22.53 1.70 0.00 N | 24.52 1.71 -1.60 N | 50.51 1.82 -27.07 N | 54.06 2.49 -23.59 N | 75.42 1.88 -52.04 N | 63.29 1.71 -42.45 N | 54.40 -0.62 -61.68 N | 28.36 1.44 -11.26 N | 52.68 1.65 -33.06 N | 11.90 1.42 5.00 N | 108.11 1.52 -90.36 N | -100.49 3.01 136.41 N | 83.10 1.10 -69.65 N | 66.85 2.42 -39.21 N | 36.44 3.03 0.00 N | 46.89 3.14 -5.59 N | | |
| LIPA_MISC_IPP 23656 | 120.89 0.53 -116.09 N | 22.87 2.18 -6.05 N | 107.54 -3.53 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.76 2.13 0.00 N | 22.18 2.64 0.00 N | 23.58 2.75 0.00 N | 25.35 2.55 -1.60 N | 52.66 2.56 -28.49 N | 67.73 3.54 -36.22 N | 119.69 2.60 -95.59 N | 77.11 2.29 -55.69 N | 65.50 -0.76 -72.92 N | 35.11 1.81 -17.63 N | 82.06 2.15 -61.94 N | 152.75 1.82 -135.45 N | 149.77 1.96 -131.57 N | 98.54 3.76 -61.86 N | 112.35 1.40 -98.59 N | 72.11 2.86 -44.02 N | 38.16 3.69 -1.07 N | 47.56 3.80 -5.60 N | | |
| LISF____SOLAR 323691 | 120.91 0.54 -116.09 N | 22.90 2.22 -6.05 N | 107.45 -3.61 -139.83 N | 50.98 0.08 -50.39 N | 41.07 0.93 -32.40 N | 66.94 1.36 -54.88 N | 18.80 2.17 0.00 N | 22.23 2.69 0.00 N | 23.63 2.80 0.00 N | 25.41 2.60 -1.60 N | 52.75 2.63 -28.51 N | 67.99 3.63 -36.39 N | 119.81 2.67 -95.64 N | 77.17 2.35 -55.69 N | 65.58 -0.77 -73.01 N | 35.25 1.85 -17.74 N | 82.21 2.20 -62.02 N | 152.89 1.88 -135.53 N | 149.89 2.02 -131.63 N | 98.76 3.86 -61.98 N | 112.42 1.44 -98.62 N | 72.25 2.94 -44.09 N | 38.27 3.79 -1.08 N | 47.65 3.89 -5.60 N | | |
| LITTLE FALLS____HYD 24013 | 3.24 0.29 1.31 N | 15.36 0.87 0.15 N | -33.76 -1.58 3.41 N | -0.69 0.03 1.23 N | 7.41 0.45 0.79 N | 10.06 0.57 1.21 N | 17.49 0.86 0.00 N | 20.58 1.04 0.00 N | 21.92 1.09 0.00 N | 22.44 1.28 0.04 N | 22.46 1.51 0.66 N | 29.34 1.94 0.58 N | 21.70 1.47 1.27 N | 19.40 1.30 1.04 N | -8.57 -0.40 1.51 N | 16.44 1.06 0.28 N | 18.42 1.39 0.94 N | 13.58 1.27 3.18 N | 14.66 1.35 2.93 N | 35.16 2.70 0.45 N | 11.36 1.04 2.03 N | 26.04 1.77 0.96 N | 35.74 2.34 0.00 N | 40.56 2.54 0.14 N | | |
| LI_NEWBRDGE____DRP 323616 | 120.80 0.44 -116.09 N | 22.58 1.90 -6.05 N | 107.93 -3.13 -139.83 N | 50.96 0.06 -50.39 N | 40.89 0.76 -32.40 N | 66.73 1.15 -54.88 N | 18.48 1.85 0.00 N | 21.83 2.29 0.00 N | 23.19 2.36 0.00 N | 24.99 2.18 -1.60 N | 51.33 2.29 -27.43 N | 59.17 3.07 -28.14 N | 117.02 2.27 -93.26 N | 76.85 2.03 -55.69 N | 61.48 -0.71 -68.84 N | 30.19 1.67 -12.86 N | 78.01 1.96 -58.07 N | 148.85 1.65 -131.72 N | 146.79 1.80 -128.76 N | 92.85 3.55 -56.38 N | 110.71 1.32 -97.04 N | 68.71 2.77 -40.72 N | 37.30 3.59 -0.30 N | 47.40 3.65 -5.60 N | | |
| LONG_LAKE_PHOENIX 24014 | 8.24 -0.10 -4.07 N | 14.70 -0.38 -0.46 N | -17.41 0.80 -10.55 N | 4.29 -0.02 -3.80 N | 10.01 -0.18 -2.45 N | 14.16 -0.27 -3.73 N | 16.18 -0.45 0.00 N | 19.10 -0.44 0.00 N | 20.30 -0.53 0.00 N | 20.90 -0.42 -0.12 N | 23.27 -0.38 -2.04 N | 29.25 -0.50 -1.78 N | 25.03 -0.40 -3.93 N | 21.97 -0.37 -3.20 N | -1.87 0.14 -4.65 N | 16.16 -0.35 -0.85 N | 20.61 -0.28 -2.91 N | 25.09 -0.21 -9.83 N | 25.06 -0.23 -9.06 N | 33.70 -0.61 -1.40 N | 18.40 -0.24 -6.28 N | 27.73 -0.45 -2.96 N | 32.73 -0.68 0.00 N | 37.72 -0.86 -0.42 N | | |
| LOVETT____3 23632 | 56.89 0.25 -52.38 N | 21.51 0.99 -5.88 N | 105.43 -1.68 -135.88 N | 49.50 0.03 -48.97 N | 39.66 0.43 -31.48 N | 59.40 0.62 -48.08 N | 17.61 0.98 0.00 N | 20.77 1.23 0.00 N | 22.04 1.21 0.00 N | 24.02 1.26 -1.55 N | 49.31 1.38 -26.31 N | 52.79 1.89 -22.93 N | 73.47 1.39 -50.58 N | 61.67 1.27 -41.27 N | 52.83 -0.45 -59.95 N | 27.71 1.11 -10.94 N | 56.70 1.25 -37.47 N | 143.08 1.04 -126.55 N | 134.04 1.12 -116.69 N | 53.15 2.25 -17.99 N | 94.12 0.82 -80.94 N | 65.04 1.70 -38.11 N | 35.53 2.12 0.00 N | 45.88 2.29 -5.43 N | | |
| LOVETT____4 23642 | 56.98 0.30 -52.40 N | 21.69 1.17 -5.88 N | 105.17 -2.03 -135.96 N | 49.53 0.03 -48.99 N | 39.77 0.53 -31.50 N | 59.55 0.75 -48.10 N | 17.80 1.17 0.00 N | 21.01 1.46 0.00 N | 22.29 1.46 0.00 N | 24.29 1.53 -1.55 N | 49.60 1.66 -26.33 N | 53.17 2.25 -22.94 N | 73.79 1.68 -50.61 N | 61.94 1.52 -41.29 N | 52.78 -0.54 -59.98 N | 27.92 1.31 -10.95 N | 56.97 1.50 -37.49 N | 143.36 1.26 -126.62 N | 134.34 1.36 -116.75 N | 53.61 2.71 -17.99 N | 94.34 1.00 -80.98 N | 65.40 2.05 -38.13 N | 35.99 2.58 0.00 N | 46.39 2.80 -5.44 N | | |
| LOVETT____5 23593 | 56.98 0.30 -52.40 N | 21.69 1.17 -5.88 N | 105.17 -2.03 -135.96 N | 49.53 0.03 -48.99 N | 39.77 0.53 -31.50 N | 59.55 0.75 -48.10 N | 17.80 1.17 0.00 N | 21.01 1.46 0.00 N | 22.29 1.46 0.00 N | 24.29 1.53 -1.55 N | 49.60 1.66 -26.33 N | 53.17 2.25 -22.94 N | 73.79 1.68 -50.61 N | 61.94 1.52 -41.29 N | 52.78 -0.54 -59.98 N | 27.92 1.31 -10.95 N | 56.97 1.50 -37.49 N | 143.36 1.26 -126.62 N | 134.34 1.36 -116.75 N | 53.61 2.71 -17.99 N | 94.34 1.00 -80.98 N | 65.40 2.05 -38.13 N | 35.99 2.58 0.00 N | 46.39 2.80 -5.44 N | | |
| LOWER RAQUET____HYD 24057 | 4.22 -0.05 0.00 N | 14.46 -0.17 0.00 N | -28.68 0.08 0.00 N | 3.25 0.01 -2.73 N | 13.10 -0.09 -5.46 N | 16.64 -0.10 -6.04 N | 17.78 -0.22 -1.36 N | 18.98 -0.56 0.00 N | 20.43 -0.40 0.00 N | 20.66 -0.54 0.00 N | 20.96 -0.65 0.00 N | 27.22 -0.76 0.00 N | 20.89 -0.61 0.00 N | 18.69 -0.45 0.00 N | -6.58 0.08 0.00 N | 15.44 -0.22 0.00 N | 17.00 -0.98 0.00 N | 14.96 -0.53 0.00 N | 15.62 -0.61 0.00 N | 31.94 -0.97 0.00 N | 12.12 -0.24 0.00 N | 26.26 -0.64 -1.67 N | 33.03 -0.38 0.00 N | 38.08 -0.08 0.00 N | | |
| LOWER____HUDSON 24059 | 73.82 0.35 -69.20 N | 23.54 1.15 -7.76 N | 148.59 -2.18 -179.54 N | 65.24 0.04 -64.70 N | 49.92 0.58 -41.60 N | 74.98 0.77 -63.52 N | 17.74 1.11 0.00 N | 20.94 1.40 0.00 N | 22.23 1.40 0.00 N | 24.86 1.61 -2.05 N | 58.11 1.74 -34.77 N | 60.55 2.28 -30.30 N | 90.06 1.77 -66.78 N | 75.05 1.52 -54.40 N | 71.85 -0.52 -79.03 N | 31.30 1.21 -14.43 N | 68.95 1.48 -49.49 N | 184.02 1.33 -167.21 N | 171.79 1.38 -154.17 N | 59.45 2.78 -23.76 N | 120.34 1.04 -106.94 N | 77.58 2.00 -50.35 N | 35.99 2.58 0.00 N | 48.28 2.95 -7.16 N | | |
| LWR____OSWEGATCHIE_HYD 23850 | 4.26 -0.01 0.00 N | 14.56 -0.07 0.00 N | -28.74 0.03 0.00 N | 2.36 0.00 -1.85 N | 11.40 -0.03 -3.69 N | 14.74 -0.04 -4.08 N | 17.45 -0.10 -0.92 N | 19.26 -0.28 0.00 N | 20.65 -0.18 0.00 N | 21.02 -0.19 0.00 N | 21.43 -0.19 0.00 N | 27.80 -0.17 0.00 N | 21.28 -0.23 0.00 N | 18.96 -0.18 0.00 N | -6.65 0.00 0.00 N | 15.60 -0.05 0.00 N | 17.52 -0.45 0.00 N | 15.34 -0.14 0.00 N | 16.06 -0.17 0.00 N | 32.69 -0.23 0.00 N | 12.34 -0.01 0.00 N | 26.28 -0.08 -1.13 N | 33.52 0.11 0.00 N | 38.40 0.24 0.00 N | | |
| LYONS_FALL_HYD 23570 | 4.30 0.04 0.00 N | 14.71 0.08 0.00 N | -28.87 -0.11 0.00 N | 1.02 0.00 -0.52 N | 8.82 0.05 -1.03 N | 11.88 0.05 -1.14 N | 16.95 0.07 -0.26 N | 19.63 0.09 0.00 N | 20.95 0.12 0.00 N | 21.44 0.23 0.00 N | 21.93 0.31 0.00 N | 28.41 0.44 0.00 N | 21.80 0.30 0.00 N | 19.37 0.24 0.00 N | -6.75 -0.10 0.00 N | 15.86 0.20 0.00 N | 18.21 0.23 0.00 N | 15.80 0.31 0.00 N | 16.57 0.34 0.00 N | 33.57 0.66 0.00 N | 12.60 0.24 0.00 N | 25.98 0.44 -0.31 N | 33.97 0.56 0.00 N | 38.73 0.57 0.00 N | | |
| MADISON____COUNTY_LFGE | 5.91 | 14.90 | -24.75 | 2.00 | 8.79 | 12.25 | 16.73 | 19.72 | 20.98 | 21.55 | 22.82 | 29.19 | 23.42 | 20.69 | -4.93 | 16.20 | 19.50 | 19.74 | 20.20 | 34.16 | 15.09 | 26.86 | 33.97 | 38.89 | | |

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| 323628 | 0.04 -1.61 N | 0.09 -0.18 N | -0.15 -4.16 N | -0.01 -1.50 N | 0.08 -0.96 N | 0.08 -1.47 N | 0.10 0.00 N | 0.18 0.00 N | 0.15 0.00 N | 0.30 -0.05 N | 0.40 -0.81 N | 0.51 -0.70 N | 0.37 -1.55 N | 0.29 -1.26 N | -0.10 -1.83 N | 0.21 -0.33 N | 0.38 -1.15 N | 0.38 -3.88 N | 0.39 -3.57 N | 0.70 -0.55 N | 0.25 -2.48 N | 0.47 -1.17 N | 0.56 0.00 N | 0.56 -0.17 N |
| MAPLE_RIDGE_WT_1 323574 | 1.08 -0.10 3.09 N | 13.94 -0.35 0.35 N | -36.24 0.54 8.02 N | -2.40 -0.02 2.89 N | 5.75 -0.14 1.86 N | 7.71 -0.15 2.84 N | 16.40 -0.23 0.00 N | 19.39 -0.15 0.00 N | 20.74 -0.09 0.00 N | 21.00 -0.11 0.09 N | 19.91 -0.15 1.55 N | 26.41 -0.20 1.35 N | 18.36 -0.16 2.99 N | 16.55 -0.15 2.44 N | -10.16 0.04 3.54 N | 14.92 -0.09 0.65 N | 15.59 -0.18 2.21 N | 7.85 -0.17 7.47 N | 9.08 -0.27 6.88 N | 31.27 -0.58 1.06 N | 7.36 -0.22 4.77 N | 22.52 -0.45 2.25 N | 32.90 -0.51 0.00 N | 37.46 -0.37 0.32 N |
| MAPLE_RIDGE_WT_2 323611 | 1.08 -0.10 3.09 N | 13.94 -0.35 0.35 N | -36.24 0.54 8.02 N | -2.40 -0.02 2.89 N | 5.75 -0.14 1.86 N | 7.71 -0.15 2.84 N | 16.40 -0.23 0.00 N | 19.39 -0.15 0.00 N | 20.74 -0.09 0.00 N | 21.00 -0.11 0.09 N | 19.91 -0.15 1.55 N | 26.41 -0.20 1.35 N | 18.36 -0.16 2.99 N | 16.55 -0.15 2.44 N | -10.16 0.04 3.54 N | 14.92 -0.09 0.65 N | 15.59 -0.18 2.21 N | 7.85 -0.17 7.47 N | 9.08 -0.27 6.88 N | 31.27 -0.58 1.06 N | 7.36 -0.22 4.77 N | 22.52 -0.45 2.25 N | 32.90 -0.51 0.00 N | 37.46 -0.37 0.32 N |
| MARBLE_RIVER_WT_PWR 323696 | 4.08 -0.19 0.00 N | 14.02 -0.61 0.00 N | -27.98 0.78 0.00 N | -15.65 -0.01 16.14 N | -24.85 -0.37 32.23 N | -25.40 -0.45 35.64 N | 7.92 -0.66 8.05 N | 18.76 -0.78 0.00 N | 20.41 -0.42 0.00 N | 20.73 -0.48 0.00 N | 20.87 -0.74 0.00 N | 26.62 -1.35 0.00 N | 20.43 -1.08 0.00 N | 18.30 -0.84 0.00 N | -6.41 0.25 0.00 N | 15.07 -0.59 0.00 N | 17.10 -0.87 0.00 N | 14.73 -0.76 0.00 N | 15.29 -0.94 0.00 N | 31.45 -1.46 0.00 N | 11.86 -0.49 0.00 N | 13.98 -1.36 9.88 N | 31.91 -1.50 0.00 N | 37.22 -0.94 0.00 N |
| MG INDUSTRY___DRP 24185 | 72.11 0.23 -67.61 N | 23.07 0.85 -7.58 N | 145.11 -1.54 -175.41 N | 63.74 0.02 -63.21 N | 48.81 0.43 -40.64 N | 73.33 0.57 -62.06 N | 17.46 0.83 0.00 N | 20.57 1.03 0.00 N | 21.84 1.02 0.00 N | 24.33 1.12 -2.00 N | 56.79 1.21 -33.97 N | 59.18 1.60 -29.60 N | 87.96 1.22 -65.24 N | 73.32 1.05 -53.13 N | 70.17 -0.36 -77.19 N | 30.59 0.84 -14.09 N | 67.35 1.03 -48.34 N | 179.75 0.90 -163.37 N | 167.81 0.95 -150.63 N | 58.04 1.91 -23.22 N | 117.56 0.72 -104.48 N | 75.86 1.44 -49.20 N | 35.24 1.83 0.00 N | 47.21 2.05 -7.00 N |
| MID___OSWEGATCHIE_HYD 23849 | 4.26 -0.01 0.00 N | 14.56 -0.07 0.00 N | -28.74 0.03 0.00 N | 2.36 0.00 -1.85 N | 11.40 -0.03 -3.69 N | 14.74 -0.04 -4.08 N | 17.45 -0.10 -0.92 N | 19.26 -0.28 0.00 N | 20.65 -0.18 0.00 N | 21.02 -0.19 0.00 N | 21.43 -0.19 0.00 N | 27.80 -0.17 0.00 N | 21.28 -0.23 0.00 N | 18.96 -0.18 0.00 N | -6.65 0.00 0.00 N | 15.60 -0.05 0.00 N | 17.52 -0.45 0.00 N | 15.34 -0.14 0.00 N | 16.06 -0.17 0.00 N | 32.69 -0.23 0.00 N | 12.34 -0.01 0.00 N | 26.28 -0.08 -1.13 N | 33.52 0.11 0.00 N | 38.40 0.24 0.00 N |
| MID___RAQUETTE_HYD 23851 | 4.22 -0.05 0.00 N | 14.46 -0.17 0.00 N | -28.68 0.08 0.00 N | 3.25 0.01 -2.73 N | 13.10 -0.09 -5.46 N | 16.64 -0.10 -6.04 N | 17.78 -0.22 -1.36 N | 18.98 -0.56 0.00 N | 20.43 -0.40 0.00 N | 20.66 -0.54 0.00 N | 20.96 -0.65 0.00 N | 27.22 -0.76 0.00 N | 20.89 -0.61 0.00 N | 18.69 -0.45 0.00 N | -6.58 0.08 0.00 N | 15.44 -0.22 0.00 N | 17.00 -0.98 0.00 N | 14.96 -0.53 0.00 N | 15.62 -0.61 0.00 N | 31.94 -0.97 0.00 N | 12.12 -0.24 0.00 N | 26.26 -0.64 -1.67 N | 33.03 -0.38 0.00 N | 38.08 -0.08 0.00 N |
| MILLIKEN___1 23584 | 13.68 -0.10 -9.51 N | 15.26 -0.44 -1.07 N | -3.15 0.94 -24.68 N | 9.38 -0.02 -8.89 N | 13.27 -0.19 -5.72 N | 19.11 -0.32 -8.73 N | 16.09 -0.54 0.00 N | 19.03 -0.51 0.00 N | 20.22 -0.60 0.00 N | 21.06 -0.43 -0.28 N | 26.09 -0.30 -4.78 N | 31.66 -0.48 -4.16 N | 30.38 -0.31 -9.18 N | 26.31 -0.32 -7.49 N | 4.37 0.14 -10.88 N | 17.32 -0.32 -1.99 N | 24.62 -0.17 -6.80 N | 38.09 -0.38 -22.98 N | 36.97 -0.45 -21.19 N | 34.93 -1.25 -3.27 N | 26.62 -0.43 -14.70 N | 31.34 -0.80 -6.92 N | 32.04 -1.36 0.00 N | 37.66 -1.48 -0.99 N |
| MILLIKEN___2 23585 | 13.68 -0.10 -9.51 N | 15.26 -0.44 -1.07 N | -3.15 0.94 -24.68 N | 9.38 -0.02 -8.89 N | 13.27 -0.19 -5.72 N | 19.11 -0.32 -8.73 N | 16.09 -0.54 0.00 N | 19.03 -0.51 0.00 N | 20.22 -0.60 0.00 N | 21.06 -0.43 -0.28 N | 26.09 -0.30 -4.78 N | 31.66 -0.48 -4.16 N | 30.38 -0.31 -9.18 N | 26.31 -0.32 -7.49 N | 4.37 0.14 -10.88 N | 17.32 -0.32 -1.99 N | 24.62 -0.17 -6.80 N | 38.09 -0.38 -22.98 N | 36.97 -0.45 -21.19 N | 34.93 -1.25 -3.27 N | 26.62 -0.43 -14.70 N | 31.34 -0.80 -6.92 N | 32.04 -1.36 0.00 N | 37.66 -1.48 -0.99 N |
| MILLIKEN___DIESEL 23629 | 13.68 -0.10 -9.51 N | 15.26 -0.44 -1.07 N | -3.15 0.94 -24.68 N | 9.38 -0.02 -8.89 N | 13.27 -0.19 -5.72 N | 19.11 -0.32 -8.73 N | 16.09 -0.54 0.00 N | 19.03 -0.51 0.00 N | 20.22 -0.60 0.00 N | 21.06 -0.43 -0.28 N | 26.09 -0.30 -4.78 N | 31.66 -0.48 -4.16 N | 30.38 -0.31 -9.18 N | 26.31 -0.32 -7.49 N | 4.37 0.14 -10.88 N | 17.32 -0.32 -1.99 N | 24.62 -0.17 -6.80 N | 38.09 -0.38 -22.98 N | 36.97 -0.45 -21.19 N | 34.93 -1.25 -3.27 N | 26.62 -0.43 -14.70 N | 31.34 -0.80 -6.92 N | 32.04 -1.36 0.00 N | 37.66 -1.48 -0.99 N |
| MILLSEAT___LFGE 323607 | 11.73 -0.27 -7.74 N | 14.43 -1.07 -0.87 N | -6.86 1.83 -20.08 N | 7.68 -0.06 -7.24 N | 12.03 -0.37 -4.65 N | 17.14 -0.66 -7.10 N | 15.58 -1.05 0.00 N | 18.61 -0.93 0.00 N | 19.49 -1.34 0.00 N | 20.05 -1.39 -0.23 N | 23.91 -1.59 -3.89 N | 29.33 -2.03 -3.39 N | 27.29 -1.69 -7.47 N | 23.62 -1.61 -6.09 N | 2.76 0.56 -8.85 N | 15.86 -1.42 -1.62 N | 22.24 -1.28 -5.54 N | 33.14 -1.04 -18.70 N | 32.47 -1.00 -17.24 N | 33.00 -2.57 -2.66 N | 23.33 -0.98 -11.96 N | 29.59 -1.27 -5.63 N | 31.83 -1.58 0.00 N | 37.37 -1.59 -0.80 N |
| MODEL_CITY_ENERGY 24167 | 12.01 -0.38 -8.12 N | 14.13 -1.42 -0.91 N | -5.31 2.38 -21.08 N | 8.03 -0.07 -7.59 N | 12.10 -0.53 -4.88 N | 17.27 -0.89 -7.46 N | 15.21 -1.42 0.00 N | 18.19 -1.35 0.00 N | 19.00 -1.83 0.00 N | 19.51 -1.93 -0.24 N | 23.45 -2.24 -4.08 N | 28.52 -3.01 -3.56 N | 26.90 -2.45 -7.84 N | 23.25 -2.29 -6.40 N | 3.41 0.78 -9.30 N | 15.40 -1.96 -1.70 N | 21.86 -1.94 -5.81 N | 33.47 -1.65 -19.63 N | 32.69 -1.64 -18.10 N | 31.85 -3.86 -2.79 N | 23.45 -1.47 -12.55 N | 29.05 -2.09 -5.91 N | 30.84 -2.56 0.00 N | 36.43 -2.57 -0.84 N |
| MODERN_LFGE___ 323580 | 12.01 -0.38 -8.12 N | 14.13 -1.42 -0.91 N | -5.31 2.38 -21.08 N | 8.03 -0.07 -7.59 N | 12.10 -0.53 -4.88 N | 17.27 -0.89 -7.46 N | 15.21 -1.42 0.00 N | 18.19 -1.35 0.00 N | 19.00 -1.83 0.00 N | 19.51 -1.93 -0.24 N | 23.45 -2.24 -4.08 N | 28.52 -3.01 -3.56 N | 26.90 -2.45 -7.84 N | 23.25 -2.29 -6.40 N | 3.41 0.78 -9.30 N | 15.40 -1.96 -1.70 N | 21.86 -1.94 -5.81 N | 33.47 -1.65 -19.63 N | 32.69 -1.64 -18.10 N | 31.85 -3.86 -2.79 N | 23.45 -1.47 -12.55 N | 29.05 -2.09 -5.91 N | 30.84 -2.56 0.00 N | 36.43 -2.57 -0.84 N |
| MOHAWK_PAPER___DRP 24187 | 73.91 0.29 -69.34 N | 23.42 1.01 -7.78 N | 149.27 -1.87 -179.90 N | 65.37 0.03 -64.83 N | 49.93 0.51 -41.68 N | 75.03 0.68 -63.65 N | 17.64 1.01 0.00 N | 20.80 1.26 0.00 N | 22.09 1.26 0.00 N | 24.69 1.42 -2.06 N | 57.98 1.53 -34.84 N | 60.35 2.02 -30.36 N | 89.97 1.55 -66.92 N | 74.98 1.34 -54.51 N | 72.07 -0.45 -79.18 N | 31.19 1.07 -14.46 N | 68.88 1.32 -49.58 N | 184.21 1.18 -167.55 N | 171.95 1.23 -154.49 N | 59.20 2.48 -23.81 N | 120.46 0.94 -107.16 N | 77.49 1.81 -50.46 N | 35.73 2.32 0.00 N | 47.98 2.64 -7.18 N |

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|------------------------------|--------------------------------|-----------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|
| MONGAUP___HYD 23641 | 53.99 0.33 -49.38 N | 21.39 1.22 -5.54 N | 97.20 -2.16 -128.13 N | 46.71 0.03 -46.17 N | 38.02 0.59 -29.69 N | 56.84 0.81 -45.33 N | 17.88 1.25 0.00 N | 21.08 1.54 0.00 N | 22.40 1.57 0.00 N | 24.38 1.71 -1.46 N | 48.30 1.88 -24.81 N | 52.09 2.50 -21.62 N | 71.07 1.87 -47.70 N | 59.72 1.67 -38.92 N | 49.29 -0.59 -56.53 N | 27.23 1.25 -10.32 N | 54.82 1.50 -35.34 N | 136.20 1.39 -119.33 N | 127.73 1.48 -110.02 N | 52.75 2.88 -16.96 N | 89.75 1.08 -76.32 N | 63.51 2.36 -35.93 N | 36.52 3.11 0.00 N | 46.62 3.34 -5.13 N |
| MONTAUK___DIESEL 23721 | 121.36 1.00 -116.09 N | 24.42 3.74 -6.05 N | 104.63 -6.43 -139.83 N | 51.03 0.13 -50.39 N | 41.84 1.69 -32.40 N | 67.97 2.40 -54.88 N | 20.43 3.80 0.00 N | 24.20 4.66 0.00 N | 25.81 4.98 0.00 N | 27.94 5.13 -1.60 N | 55.62 5.49 -28.51 N | 71.89 7.55 -36.37 N | 122.79 5.65 -95.63 N | 79.79 4.97 -55.69 N | 64.72 -1.62 -73.00 N | 37.32 3.94 -17.73 N | 84.88 4.89 -62.01 N | 155.52 4.52 -135.52 N | 152.61 4.75 -131.63 N | 104.01 9.13 -61.97 N | 114.38 3.41 -98.62 N | 76.01 6.70 -44.08 N | 42.98 8.49 -1.08 N | 52.49 8.73 -5.60 N |
| MUNSVILLE_WIND_PWR 323609 | 20.33 0.23 -15.83 N | 17.00 0.59 -1.78 N | 11.25 -1.05 -41.06 N | 15.29 -0.01 -14.80 N | 17.67 0.41 -9.52 N | 25.84 0.62 -14.53 N | 17.47 0.84 0.00 N | 20.72 1.18 0.00 N | 22.02 1.19 0.00 N | 23.23 1.56 -0.47 N | 31.40 1.84 -7.95 N | 37.09 2.19 -6.93 N | 38.33 1.55 -15.28 N | 32.87 1.28 -12.46 N | 11.01 -0.43 -18.10 N | 20.03 1.07 -3.31 N | 30.91 1.61 -11.32 N | 55.18 1.45 -38.24 N | 52.99 1.50 -35.26 N | 41.09 2.75 -5.43 N | 37.86 1.05 -24.46 N | 38.56 1.82 -11.52 N | 35.71 2.30 0.00 N | 42.33 2.53 -1.64 N |
| N SALMON___HYD 24042 | 4.19 -0.08 0.00 N | 14.38 -0.26 0.00 N | -28.59 0.17 0.00 N | 12.00 0.01 -11.49 N | 30.50 -0.18 -22.93 N | 35.87 -0.18 -25.36 N | 22.11 -0.25 -5.73 N | 19.17 -0.37 0.00 N | 20.80 -0.03 0.00 N | 21.10 -0.10 0.00 N | 21.32 -0.29 0.00 N | 27.35 -0.62 0.00 N | 21.00 -0.50 0.00 N | 18.80 -0.34 0.00 N | -6.58 0.07 0.00 N | 15.49 -0.17 0.00 N | 17.46 -0.52 0.00 N | 15.13 -0.35 0.00 N | 15.77 -0.46 0.00 N | 32.36 -0.55 0.00 N | 12.22 -0.14 0.00 N | 31.66 -0.60 -7.03 N | 32.92 -0.49 0.00 N | 38.18 0.02 0.00 N |
| N.E_GEN_SANDY PD 24062 | 34.20 1.36 -15.68 N | 23.00 1.20 -7.17 N | 29.29 1.32 -11.03 N | 35.00 1.14 -19.01 N | 18.39 1.16 -2.39 N | 70.22 0.81 -58.71 N | 41.87 1.51 -21.61 N | 40.00 1.10 -24.18 N | 40.29 1.49 -19.90 N | 42.51 0.30 -38.60 N | 58.61 0.26 -55.49 N | 58.33 2.35 -28.00 N | 75.00 1.81 -51.19 N | 71.07 1.60 -50.33 N | 65.92 -0.55 -73.12 N | 30.26 1.26 -13.35 N | 81.21 1.72 -58.44 N | 171.32 1.29 -154.54 N | 160.08 1.36 -142.50 N | 57.62 2.75 -21.96 N | 112.21 1.01 -98.84 N | 73.79 2.03 -46.54 N | 36.07 2.66 0.00 N | 80.00 3.20 -37.54 N |
| NARROWS_GT1_1 24228 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT1_2 24229 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT1_3 24230 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT1_4 24231 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT1_5 24232 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT1_6 24233 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT1_7 24234 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT1_8 24235 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |
| NARROWS_GT2_1 24236 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N |

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| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| NARROWS_GT2_2 24237 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |
| NARROWS_GT2_3 24238 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |
| NARROWS_GT2_4 24239 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |
| NARROWS_GT2_5 24240 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |
| NARROWS_GT2_6 24241 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |
| NARROWS_GT2_7 24242 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |
| NARROWS_GT2_8 24243 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |
| NEG CAPITAL___MECHNVIL 23645 | 75.44 0.37 -70.80 N | 23.79 1.22 -7.94 N | 152.59 -2.32 -183.67 N | 66.73 0.03 -66.19 N | 50.90 0.60 -42.56 N | 76.46 0.78 -64.99 N | 17.76 1.13 0.00 N | 20.96 1.42 0.00 N | 22.29 1.46 0.00 N | 24.99 1.69 -2.10 N | 59.03 1.85 -35.57 N | 61.41 2.45 -31.00 N | 91.72 1.90 -68.33 N | 76.40 1.61 -55.66 N | 73.66 -0.54 -80.86 N | 31.70 1.28 -14.76 N | 70.21 1.61 -50.63 N | 188.02 1.47 -171.06 N | 175.49 1.53 -157.73 N | 60.29 3.06 -24.31 N | 122.90 1.14 -109.40 N | 78.89 2.16 -51.51 N | 36.14 2.73 0.00 N | 48.55 3.06 -7.33 N | |
| NEG CENTRAL_HIGH_ACRES 23767 | 10.29 -0.24 -6.26 N | 14.41 -0.93 -0.70 N | -10.75 1.77 -16.25 N | 6.32 -0.05 -5.86 N | 11.10 -0.41 -3.77 N | 15.82 -0.62 -5.75 N | 15.66 -0.98 0.00 N | 18.58 -0.96 0.00 N | 19.65 -1.18 0.00 N | 20.25 -1.14 -0.19 N | 23.53 -1.23 -3.15 N | 29.23 -1.49 -2.74 N | 26.36 -1.19 -6.05 N | 22.94 -1.13 -4.93 N | 0.90 0.39 -7.16 N | 15.98 -0.98 -1.31 N | 21.57 -0.89 -4.48 N | 29.89 -0.73 -15.13 N | 29.45 -0.74 -13.95 N | 33.21 -1.86 -2.15 N | 21.32 -0.72 -9.68 N | 28.65 -1.14 -4.56 N | 31.81 -1.59 0.00 N | 36.93 -1.88 -0.65 N | |
| NEG CENTRAL___DRP 24199 | 10.96 -0.08 -6.76 N | 15.00 -0.40 -0.76 N | -10.35 0.86 -17.55 N | 6.80 -0.03 -6.32 N | 11.68 -0.13 -4.07 N | 16.63 -0.27 -6.21 N | 16.15 -0.48 0.00 N | 19.12 -0.42 0.00 N | 20.24 -0.58 0.00 N | 21.06 -0.35 -0.20 N | 24.78 -0.23 -3.40 N | 30.69 -0.24 -2.96 N | 27.81 -0.23 -6.53 N | 24.19 -0.27 -5.33 N | 1.23 0.14 -7.74 N | 16.76 -0.31 -1.41 N | 22.74 -0.08 -4.84 N | 31.78 -0.05 -16.35 N | 31.27 -0.03 -15.07 N | 34.89 -0.35 -2.32 N | 22.67 -0.14 -10.45 N | 29.91 -0.24 -4.92 N | 33.04 -0.37 0.00 N | 38.35 -0.51 -0.70 N | |
| NEG CENTRAL___INDECK 23768 | 13.41 -0.07 -9.21 N | 15.18 -0.49 -1.03 N | -3.91 0.96 -23.90 N | 9.08 -0.04 -8.61 N | 13.19 -0.09 -5.54 N | 18.89 -0.27 -8.46 N | 16.17 -0.46 0.00 N | 19.28 -0.26 0.00 N | 20.29 -0.54 0.00 N | 21.21 -0.27 -0.27 N | 25.99 -0.25 -4.63 N | 31.87 -0.13 -4.03 N | 30.19 -0.21 -8.90 N | 26.10 -0.29 -7.26 N | 4.05 0.17 -10.54 N | 17.21 -0.37 -1.92 N | 24.58 0.01 -6.59 N | 37.86 0.11 -22.26 N | 36.96 0.20 -20.53 N | 36.03 -0.04 -3.16 N | 26.55 -0.04 -14.24 N | 32.09 0.16 -6.70 N | 33.60 0.19 0.00 N | 39.23 0.12 -0.96 N | |
| NEG CENTRAL___SENECA 23627 | 11.78 -0.07 -7.59 N | 15.04 -0.44 -0.85 N | -8.11 0.97 -19.69 N | 7.57 -0.03 -7.10 N | 12.18 -0.12 -4.56 N | 17.37 -0.29 -6.97 N | 16.11 -0.52 0.00 N | 19.11 -0.43 0.00 N | 20.19 -0.64 0.00 N | 21.10 -0.33 -0.22 N | 25.22 -0.20 -3.81 N | 31.10 -0.19 -3.32 N | 28.61 -0.22 -7.33 N | 24.84 -0.27 -5.98 N | 2.19 0.17 -8.68 N | 16.90 -0.34 -1.59 N | 23.36 -0.04 -5.43 N | 33.81 -0.01 -18.34 N | 33.17 0.03 -16.91 N | 35.26 -0.26 -2.61 N | 23.98 -0.11 -11.73 N | 30.59 -0.16 -5.52 N | 33.19 -0.22 0.00 N | 38.60 -0.35 -0.79 N | |
| NEG CENTRAL___STATE_STREET 24147 | 10.96 -0.01 -6.70 N | 15.27 -0.11 -0.75 N | -11.05 0.32 -17.39 N | 6.76 -0.01 -6.27 N | 11.75 -0.02 -4.03 N | 16.75 -0.10 -6.15 N | 16.43 -0.20 0.00 N | 19.46 -0.09 0.00 N | 20.73 -0.10 0.00 N | 21.47 0.07 -0.20 N | 25.24 0.26 -3.37 N | 31.29 0.39 -2.94 N | 28.27 0.30 -6.47 N | 24.62 0.21 -5.28 N | 0.98 -0.04 -7.66 N | 17.16 0.10 -1.40 N | 23.18 0.40 -4.79 N | 31.99 0.31 -16.19 N | 31.47 0.31 -14.93 N | 35.51 0.29 -2.30 N | 22.83 0.11 -10.36 N | 30.32 0.22 -4.88 N | 33.54 0.13 0.00 N | 38.92 0.06 -0.69 N | |
| NEG MILLWOOD___DRP | 59.68 | 22.25 | 111.45 | 51.99 | 41.49 | 62.14 | 18.08 | 21.35 | 22.67 | 24.79 | 51.37 | 54.91 | 76.82 | 64.45 | 55.68 | 28.78 | 59.25 | 150.10 | 140.60 | 55.36 | 98.70 | 67.95 | 36.87 | 47.54 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|------------------------------|------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
| 24198 | 0.39 -55.02 N | 1.45 -6.17 N | -2.54 -142.75 N | 0.05 -51.44 N | 0.67 -33.07 N | 0.94 -50.51 N | 1.45 0.00 N | 1.80 0.00 N | 1.84 0.00 N | 1.96 -1.63 N | 2.12 -27.64 N | 2.85 -24.09 N | 2.17 -53.15 N | 1.94 -43.38 N | -0.67 -63.01 N | 1.62 -11.51 N | 1.90 -39.37 N | 1.67 -132.94 N | 1.79 -122.58 N | 3.56 -18.89 N | 1.32 -85.02 N | 2.69 -40.03 N | 3.46 0.00 N | 3.67 -5.71 N |
| NEG NORTH_FLCN_SEA 23793 | 4.13 -0.14 0.00 N | 14.18 -0.45 0.00 N | -28.25 0.51 0.00 N | -15.80 -0.01 16.29 N | -25.13 -0.34 32.53 N | -25.76 -0.48 35.98 N | 7.83 -0.67 8.13 N | 18.75 -0.79 0.00 N | 20.42 -0.41 0.00 N | 20.75 -0.45 0.00 N | 20.91 -0.70 0.00 N | 26.63 -1.34 0.00 N | 20.43 -1.07 0.00 N | 18.31 -0.83 0.00 N | -6.39 0.27 0.00 N | 15.07 -0.58 0.00 N | 17.12 -0.86 0.00 N | 14.75 -0.73 0.00 N | 15.32 -0.91 0.00 N | 31.46 -1.45 0.00 N | 11.87 -0.49 0.00 N | 13.88 -1.37 9.98 N | 31.94 -1.47 0.00 N | 37.48 -0.68 0.00 N |
| NEG NORTH_KES_CHATÉGAY 23792 | 4.12 -0.15 0.00 N | 14.14 -0.49 0.00 N | -28.16 0.60 0.00 N | -16.94 -0.01 17.44 N | -27.39 -0.31 34.82 N | -28.18 -0.37 38.51 N | 7.42 -0.50 8.70 N | 18.92 -0.62 0.00 N | 20.55 -0.28 0.00 N | 20.83 -0.37 0.00 N | 20.99 -0.62 0.00 N | 26.82 -1.15 0.00 N | 20.60 -0.90 0.00 N | 18.44 -0.70 0.00 N | -6.46 0.20 0.00 N | 15.19 -0.46 0.00 N | 17.23 -0.76 0.00 N | 14.85 -0.63 0.00 N | 15.45 -0.78 0.00 N | 31.74 -1.17 0.00 N | 11.97 -0.39 0.00 N | 13.42 -1.12 10.68 N | 32.21 -1.20 0.00 N | 37.44 -0.72 0.00 N |
| NEG NORTH___ALICE_FALLS 23915 | 4.15 -0.12 0.00 N | 14.23 -0.40 0.00 N | -28.35 0.41 0.00 N | -15.97 0.00 16.48 N | -25.44 -0.29 32.90 N | -26.06 -0.38 36.38 N | 7.89 -0.52 8.22 N | 18.93 -0.61 0.00 N | 20.61 -0.22 0.00 N | 20.95 -0.25 0.00 N | 21.12 -0.48 0.00 N | 26.94 -1.04 0.00 N | 20.66 -0.84 0.00 N | 18.51 -0.63 0.00 N | -6.47 0.19 0.00 N | 15.24 -0.42 0.00 N | 17.32 -0.66 0.00 N | 14.94 -0.54 0.00 N | 15.53 -0.70 0.00 N | 31.89 -1.03 0.00 N | 12.02 -0.33 0.00 N | 14.07 -1.06 10.09 N | 32.31 -1.09 0.00 N | 37.75 -0.41 0.00 N |
| NEG NORTH___LWR_SARANAC 23913 | 4.15 -0.12 0.00 N | 14.23 -0.40 0.00 N | -28.35 0.41 0.00 N | -15.97 0.00 16.48 N | -25.44 -0.29 32.90 N | -26.06 -0.38 36.38 N | 7.89 -0.52 8.22 N | 18.93 -0.61 0.00 N | 20.61 -0.22 0.00 N | 20.95 -0.25 0.00 N | 21.12 -0.48 0.00 N | 26.94 -1.04 0.00 N | 20.66 -0.84 0.00 N | 18.51 -0.63 0.00 N | -6.47 0.19 0.00 N | 15.24 -0.42 0.00 N | 17.32 -0.66 0.00 N | 14.94 -0.54 0.00 N | 15.53 -0.70 0.00 N | 31.89 -1.03 0.00 N | 12.02 -0.33 0.00 N | 14.07 -1.06 10.09 N | 32.31 -1.09 0.00 N | 37.75 -0.41 0.00 N |
| NEG NORTH___PLATTSBURG 23628 | 4.15 -0.12 0.00 N | 14.23 -0.40 0.00 N | -28.35 0.41 0.00 N | -15.97 0.00 16.48 N | -25.44 -0.29 32.90 N | -26.06 -0.38 36.38 N | 7.89 -0.52 8.22 N | 18.93 -0.61 0.00 N | 20.61 -0.22 0.00 N | 20.95 -0.25 0.00 N | 21.12 -0.48 0.00 N | 26.94 -1.04 0.00 N | 20.66 -0.84 0.00 N | 18.51 -0.63 0.00 N | -6.47 0.19 0.00 N | 15.24 -0.42 0.00 N | 17.32 -0.66 0.00 N | 14.94 -0.54 0.00 N | 15.53 -0.70 0.00 N | 31.89 -1.03 0.00 N | 12.02 -0.33 0.00 N | 14.07 -1.06 10.09 N | 32.31 -1.09 0.00 N | 37.75 -0.41 0.00 N |
| NEG WEST_LEA_LOCKPORT 23791 | 11.98 -0.35 -8.06 N | 14.20 -1.34 -0.90 N | -5.54 2.30 -20.92 N | 7.97 -0.07 -7.54 N | 12.10 -0.49 -4.85 N | 17.26 -0.83 -7.40 N | 15.29 -1.34 0.00 N | 18.29 -1.26 0.00 N | 19.11 -1.72 0.00 N | 19.70 -1.74 -0.24 N | 23.69 -1.98 -4.05 N | 28.84 -2.66 -3.53 N | 27.10 -2.19 -7.79 N | 23.42 -2.06 -6.35 N | 3.28 0.72 -9.23 N | 15.55 -1.79 -1.68 N | 22.03 -1.72 -5.77 N | 33.51 -1.46 -19.48 N | 32.76 -1.44 -17.96 N | 32.23 -3.45 -2.77 N | 23.51 -1.31 -12.46 N | 29.24 -1.85 -5.87 N | 31.15 -2.26 0.00 N | 36.73 -2.26 -0.84 N |
| NEG WEST___LANCASTER 23811 | 13.31 -0.31 -9.35 N | 14.24 -1.44 -1.05 N | -1.71 2.80 -24.25 N | 9.17 -0.07 -8.74 N | 12.88 -0.48 -5.62 N | 18.33 -0.94 -8.58 N | 15.01 -1.62 0.00 N | 17.90 -1.64 0.00 N | 18.62 -2.21 0.00 N | 19.78 -1.70 -0.28 N | 24.72 -1.59 -4.70 N | 29.91 -2.15 -4.09 N | 28.69 -1.83 -9.03 N | 24.74 -1.76 -7.36 N | 4.81 0.78 -10.69 N | 15.93 -1.68 -1.95 N | 23.24 -1.43 -6.69 N | 36.82 -1.25 -22.59 N | 35.85 -1.20 -20.83 N | 33.22 -2.91 -3.21 N | 25.71 -1.09 -14.44 N | 30.17 -1.85 -6.80 N | 31.31 -2.10 0.00 N | 36.90 -2.23 -0.97 N |
| NEG_PENN_ALLEGHNY 23528 | 21.73 0.02 -17.44 N | 16.48 -0.11 -1.96 N | 16.84 0.35 -45.25 N | 16.80 -0.01 -16.31 N | 18.27 0.04 -10.48 N | 26.63 -0.07 -16.01 N | 16.41 -0.22 0.00 N | 19.38 -0.16 0.00 N | 20.47 -0.36 0.00 N | 21.74 0.01 -0.52 N | 30.56 0.19 -8.76 N | 35.86 0.25 -7.64 N | 38.47 0.12 -16.84 N | 32.92 0.05 -13.73 N | 13.38 0.09 -19.95 N | 19.21 -0.09 -3.64 N | 30.63 0.17 -12.48 N | 57.77 0.14 -42.14 N | 55.27 0.18 -38.86 N | 39.09 0.18 -5.99 N | 39.38 0.07 -26.95 N | 38.01 0.09 -12.69 N | 33.63 0.22 0.00 N | 40.20 0.24 -1.81 N |
| NEG___GEN_MONROE 24207 | 10.93 -0.15 -6.81 N | 14.76 -0.64 -0.76 N | -9.96 1.13 -17.67 N | 6.83 -0.04 -6.37 N | 11.63 -0.20 -4.09 N | 16.57 -0.38 -6.25 N | 16.03 -0.60 0.00 N | 19.10 -0.44 0.00 N | 20.13 -0.70 0.00 N | 20.73 -0.67 -0.81 N | 24.22 -0.90 -2.98 N | 30.05 -0.77 -6.58 N | 27.31 -0.78 -5.36 N | 23.72 -0.78 -0.79 N | 1.41 0.28 -7.79 N | 16.35 -0.73 -1.42 N | 22.34 -0.51 -4.87 N | 31.58 -0.36 -16.45 N | 31.09 -0.31 -15.17 N | 34.16 -1.09 -2.34 N | 22.44 -0.44 -10.52 N | 29.77 -0.41 -4.95 N | 32.81 -0.60 0.00 N | 38.16 -0.71 -0.71 N |
| NEPA___ENERGY 23901 | 13.95 -0.32 -9.99 N | 14.04 -1.71 -1.12 N | 0.70 3.53 -25.93 N | 9.77 -0.08 -9.34 N | 13.20 -0.55 -6.01 N | 18.70 -1.17 -9.18 N | 14.55 -2.08 0.00 N | 17.30 -2.25 0.00 N | 17.86 -2.97 0.00 N | 19.48 -2.02 -0.30 N | 24.97 -1.66 -5.02 N | 30.14 -2.20 -4.38 N | 29.26 -1.90 -9.65 N | 25.16 -1.84 -7.87 N | 5.75 0.98 -11.43 N | 15.83 -1.91 -2.09 N | 23.60 -1.53 -7.15 N | 38.20 -1.43 -24.15 N | 37.10 -1.41 -22.27 N | 33.07 -3.27 -3.43 N | 26.59 -1.21 -15.45 N | 30.08 -2.42 -7.27 N | 30.79 -2.62 0.00 N | 36.36 -2.84 -1.04 N |
| NEVERSINK___HYD 23608 | 50.81 0.17 -46.37 N | 20.45 0.61 -5.20 N | 90.57 -0.96 -120.29 N | 43.87 0.02 -43.35 N | 35.87 0.26 -27.87 N | 53.62 0.36 -42.56 N | 17.18 0.55 0.00 N | 20.25 0.71 0.00 N | 21.53 0.71 0.00 N | 23.42 0.84 -1.37 N | 45.89 0.99 -23.29 N | 49.63 1.36 -20.30 N | 67.33 1.02 -44.81 N | 56.66 0.92 -36.60 N | 46.21 -0.30 -53.17 N | 26.13 0.76 -9.71 N | 52.10 0.94 -33.19 N | 128.37 0.85 -112.03 N | 120.44 0.92 -103.30 N | 50.64 1.80 -15.92 N | 84.67 0.66 -71.65 N | 60.21 1.25 -33.74 N | 34.91 1.50 0.00 N | 44.54 1.56 -4.82 N |
| NEWTON___FALLS_HYD 23847 | 4.26 -0.01 0.00 N | 14.56 -0.07 0.00 N | -28.74 0.03 0.00 N | 2.36 0.00 -1.85 N | 11.40 -0.03 -3.69 N | 14.74 -0.04 -4.08 N | 17.45 -0.10 -0.92 N | 19.26 -0.28 0.00 N | 20.65 -0.18 0.00 N | 21.02 -0.19 0.00 N | 21.43 -0.19 0.00 N | 27.80 -0.17 0.00 N | 21.28 -0.23 0.00 N | 18.96 -0.18 0.00 N | -6.65 0.00 0.00 N | 15.60 -0.05 0.00 N | 17.52 -0.45 0.00 N | 15.34 -0.14 0.00 N | 16.06 -0.17 0.00 N | 32.69 -0.23 0.00 N | 12.34 -0.01 0.00 N | 26.28 -0.08 -1.13 N | 33.52 0.11 0.00 N | 38.40 0.24 0.00 N |
| NIAGARA____ 23760 | 11.99 -0.38 -8.10 N | 14.09 -1.46 -0.91 N | -5.16 2.58 -21.03 N | 8.01 -0.07 -7.58 N | 12.05 -0.56 -4.87 N | 17.20 -0.93 -7.44 N | 15.14 -1.49 0.00 N | 18.11 -1.43 0.00 N | 18.94 -1.89 0.00 N | 19.55 -1.90 -0.24 N | 23.55 -2.13 -4.07 N | 28.68 -2.84 -3.55 N | 27.01 -2.32 -7.82 N | 23.34 -2.18 -6.38 N | 3.37 0.75 -9.27 N | 15.45 -1.90 -1.69 N | 21.93 -1.84 -5.80 N | 33.48 -1.59 -19.58 N | 32.70 -1.59 -18.05 N | 31.95 -3.75 -2.78 N | 23.46 -1.42 -12.52 N | 29.02 -2.10 -5.90 N | 30.84 -2.57 0.00 N | 36.37 -2.63 -0.84 N |

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|------------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|-----------------------------|------------------------------|
| NINE_MILE_1 23575 | 7.42 -0.16 -3.31 N | 14.45 -0.56 -0.37 N | -19.06 1.11 -8.59 N | 3.58 -0.02 -3.09 N | 9.46 -0.27 -1.99 N | 13.33 -0.41 -3.04 N | 15.98 -0.65 0.00 N | 18.83 -0.71 0.00 N | 20.02 -0.81 0.00 N | 20.54 -0.76 -0.10 N | 22.52 -0.76 -1.66 N | 28.44 -0.98 -1.45 N | 23.94 -0.76 -3.19 N | 21.05 -0.69 -2.61 N | -2.63 0.24 -3.78 N | 15.76 -0.59 -0.69 N | 19.74 -0.60 -2.37 N | 22.97 -0.51 -8.00 N | 23.07 -0.54 -7.37 N | 32.85 -1.20 -1.14 N | 17.01 -0.46 -5.12 N | 26.76 -0.87 -2.41 N | 32.22 -1.19 0.00 N | 37.11 -1.39 -0.34 N |
| NINE_MILE_2 23744 | 7.40 -0.16 -3.29 N | 14.45 -0.56 -0.37 N | -19.12 1.11 -8.53 N | 3.56 -0.02 -3.07 N | 9.45 -0.27 -1.98 N | 13.31 -0.40 -3.02 N | 15.98 -0.65 0.00 N | 18.83 -0.71 0.00 N | 20.03 -0.80 0.00 N | 20.54 -0.76 -0.10 N | 22.51 -0.75 -1.65 N | 28.43 -0.98 -1.44 N | 23.92 -0.76 -3.17 N | 21.03 -0.69 -2.59 N | -2.66 0.24 -3.76 N | 15.76 -0.59 -0.69 N | 19.74 -0.60 -2.35 N | 22.91 -0.51 -7.94 N | 23.02 -0.54 -7.32 N | 32.84 -1.20 -1.13 N | 16.97 -0.46 -5.08 N | 26.75 -0.86 -2.39 N | 32.22 -1.19 0.00 N | 37.11 -1.39 -0.34 N |
| NM_CAPITAL___DRP 24208 | 73.31 0.28 -68.77 N | 23.30 0.96 -7.71 N | 147.89 -1.75 -178.40 N | 64.82 0.03 -64.29 N | 49.56 0.48 -41.34 N | 74.46 0.64 -63.12 N | 17.58 0.95 0.00 N | 20.72 1.18 0.00 N | 22.01 1.18 0.00 N | 24.58 1.34 -2.04 N | 57.58 1.42 -34.54 N | 59.95 1.87 -30.10 N | 89.29 1.43 -66.36 N | 74.42 1.24 -54.04 N | 71.44 -0.42 -78.51 N | 30.99 1.00 -14.33 N | 68.36 1.21 -49.17 N | 182.71 1.07 -166.15 N | 170.56 1.13 -153.20 N | 58.79 2.26 -23.61 N | 119.49 0.86 -106.26 N | 76.93 1.67 -50.04 N | 35.55 2.14 0.00 N | 47.73 2.45 -7.12 N |
| NM_CENTRAL___DRP 24181 | 8.48 -0.07 -4.29 N | 14.81 -0.30 -0.48 N | -17.00 0.64 -11.12 N | 4.49 -0.02 -4.01 N | 10.19 -0.13 -2.58 N | 14.41 -0.21 -3.94 N | 16.26 -0.37 0.00 N | 19.18 -0.36 0.00 N | 20.37 -0.46 0.00 N | 21.01 -0.32 -0.13 N | 23.49 -0.28 -2.15 N | 29.50 -0.35 -1.88 N | 25.36 -0.28 -4.14 N | 22.22 -0.28 -3.37 N | -1.65 0.11 -4.90 N | 16.28 -0.27 -0.89 N | 20.88 -0.17 -3.07 N | 25.71 -0.13 -10.36 N | 25.65 -0.13 -9.55 N | 33.97 -0.41 -1.47 N | 18.81 -0.16 -6.62 N | 28.06 -0.29 -3.12 N | 32.96 -0.45 0.00 N | 38.01 -0.59 -0.44 N |
| NM_FRONTIER___DRP 24179 | 12.09 -0.40 -8.23 N | 14.07 -1.48 -0.92 N | -4.92 2.50 -21.34 N | 8.12 -0.07 -7.69 N | 12.13 -0.56 -4.94 N | 17.30 -0.95 -7.55 N | 15.10 -1.53 0.00 N | 18.08 -1.47 0.00 N | 18.91 -1.92 0.00 N | 19.41 -2.04 -0.24 N | 23.37 -2.37 -4.13 N | 28.39 -3.18 -3.60 N | 26.86 -2.58 -7.94 N | 23.21 -2.40 -6.48 N | 3.56 0.81 -9.41 N | 15.32 -2.06 -1.72 N | 21.81 -2.05 -5.88 N | 33.60 -1.75 -19.87 N | 32.80 -1.76 -18.32 N | 31.63 -4.11 -2.83 N | 23.50 -1.57 -12.71 N | 28.97 -2.24 -5.99 N | 30.66 -2.75 0.00 N | 36.25 -2.76 -0.85 N |
| NM_ST_REGIS___HYD 24053 | 4.21 -0.06 0.00 N | 14.44 -0.19 0.00 N | -28.67 0.09 0.00 N | 4.70 0.01 -4.19 N | 15.99 -0.12 -8.36 N | 19.83 -0.12 -9.25 N | 18.50 -0.22 -2.09 N | 19.04 -0.50 0.00 N | 20.55 -0.28 0.00 N | 20.79 -0.41 0.00 N | 21.06 -0.55 0.00 N | 27.27 -0.70 0.00 N | 20.94 -0.56 0.00 N | 18.73 -0.41 0.00 N | -6.59 0.07 0.00 N | 15.47 -0.19 0.00 N | 17.14 -0.84 0.00 N | 15.02 -0.47 0.00 N | 15.68 -0.56 0.00 N | 32.08 -0.83 0.00 N | 12.16 -0.20 0.00 N | 27.19 -0.60 -2.57 N | 33.04 -0.37 0.00 N | 38.14 -0.02 0.00 N |
| NORTHPORT___1 23551 | 120.84 0.48 -116.09 N | 22.73 2.05 -6.05 N | 107.74 -3.33 -139.83 N | 50.97 0.07 -50.39 N | 41.01 0.87 -32.40 N | 66.84 1.26 -54.88 N | 18.62 1.99 0.00 N | 22.01 2.47 0.00 N | 23.38 2.55 0.00 N | 25.19 2.38 -1.60 N | 52.27 2.39 -28.27 N | 65.74 3.21 -34.55 N | 118.99 2.38 -95.11 N | 76.98 2.16 -55.69 N | 64.70 -0.72 -72.08 N | 34.03 1.71 -16.65 N | 81.14 2.02 -61.14 N | 151.82 1.66 -134.68 N | 149.04 1.82 -130.99 N | 97.29 3.64 -60.73 N | 111.99 1.37 -98.27 N | 71.37 2.81 -43.34 N | 38.00 3.69 -0.90 N | 47.62 3.86 -5.60 N |
| NORTHPORT___2 23552 | 120.84 0.48 -116.09 N | 22.73 2.05 -6.05 N | 107.74 -3.33 -139.83 N | 50.97 0.07 -50.39 N | 41.01 0.87 -32.40 N | 66.84 1.26 -54.88 N | 18.62 1.99 0.00 N | 22.01 2.47 0.00 N | 23.38 2.55 0.00 N | 25.19 2.38 -1.60 N | 52.27 2.39 -28.27 N | 65.74 3.21 -34.55 N | 118.99 2.38 -95.11 N | 76.98 2.16 -55.69 N | 64.70 -0.72 -72.08 N | 34.03 1.71 -16.65 N | 81.14 2.02 -61.14 N | 151.82 1.66 -134.68 N | 149.04 1.82 -130.99 N | 97.29 3.64 -60.73 N | 111.99 1.37 -98.27 N | 71.37 2.81 -43.34 N | 38.00 3.69 -0.90 N | 47.62 3.86 -5.60 N |
| NORTHPORT___3 23553 | 120.80 0.44 -116.09 N | 22.60 1.92 -6.05 N | 107.95 -3.12 -139.83 N | 50.96 0.06 -50.39 N | 40.91 0.77 -32.40 N | 66.72 1.14 -54.88 N | 18.48 1.85 0.00 N | 21.81 2.27 0.00 N | 23.18 2.35 0.00 N | 24.99 2.19 -1.60 N | 52.12 2.25 -28.26 N | 65.45 3.04 -34.44 N | 118.82 2.24 -95.08 N | 76.83 2.01 -55.69 N | 64.66 -0.71 -72.02 N | 33.85 1.61 -16.59 N | 80.98 1.91 -61.09 N | 151.64 1.52 -134.63 N | 148.91 1.73 -130.96 N | 97.04 3.47 -60.66 N | 111.89 1.28 -98.25 N | 71.18 2.66 -43.29 N | 37.82 3.51 -0.89 N | 47.34 3.58 -5.60 N |
| NORTHPORT___4 23650 | 120.80 0.44 -116.09 N | 22.60 1.92 -6.05 N | 107.95 -3.12 -139.83 N | 50.96 0.06 -50.39 N | 40.91 0.77 -32.40 N | 66.72 1.14 -54.88 N | 18.48 1.85 0.00 N | 21.81 2.27 0.00 N | 23.18 2.35 0.00 N | 24.99 2.19 -1.60 N | 52.12 2.25 -28.26 N | 65.45 3.04 -34.44 N | 118.82 2.24 -95.08 N | 76.83 2.01 -55.69 N | 64.66 -0.71 -72.02 N | 33.85 1.61 -16.59 N | 80.98 1.91 -61.09 N | 151.64 1.52 -134.63 N | 148.91 1.73 -130.96 N | 97.04 3.47 -60.66 N | 111.89 1.28 -98.25 N | 71.18 2.66 -43.29 N | 37.82 3.51 -0.89 N | 47.34 3.58 -5.60 N |
| NORTHPORT___IC 23718 | 120.84 0.48 -116.09 N | 22.73 2.05 -6.05 N | 107.74 -3.33 -139.83 N | 50.97 0.07 -50.39 N | 41.01 0.87 -32.40 N | 66.84 1.26 -54.88 N | 18.62 1.99 0.00 N | 22.01 2.47 0.00 N | 23.38 2.55 0.00 N | 25.19 2.38 -1.60 N | 52.27 2.39 -28.27 N | 65.74 3.21 -34.55 N | 118.99 2.38 -95.11 N | 76.98 2.16 -55.69 N | 64.70 -0.72 -72.08 N | 34.03 1.71 -16.65 N | 81.14 2.02 -61.14 N | 151.82 1.66 -134.68 N | 149.04 1.82 -130.99 N | 97.29 3.64 -60.73 N | 111.99 1.37 -98.27 N | 71.37 2.81 -43.34 N | 38.00 3.69 -0.90 N | 47.62 3.86 -5.60 N |
| NPX_GEN_1385_PROXY 323591 | 120.82 0.45 -116.09 N | 22.73 2.05 -6.05 N | 30.00 2.03 -11.03 N | 25.87 2.01 -9.01 N | 41.23 1.09 -32.40 N | 66.93 1.35 -54.88 N | 30.00 2.67 -8.58 N | 22.01 2.47 0.00 N | 23.38 2.55 0.00 N | 30.00 0.48 -25.90 N | 51.81 1.93 -28.27 N | 64.96 2.44 -34.55 N | 118.41 1.80 -95.11 N | 76.60 1.78 -55.69 N | 64.86 -0.56 -72.08 N | 33.72 1.41 -16.65 N | 78.37 1.94 -55.37 N | 80.00 1.46 -61.35 N | 80.00 1.87 -55.58 N | 96.39 2.74 -60.73 N | 111.69 1.06 -98.27 N | 30.00 3.89 18.18 N | 37.15 2.83 -0.90 N | 47.36 3.60 -5.60 N |
| NPX_GEN_CSC 323557 | 120.89 0.53 -116.09 N | 22.87 2.19 -6.05 N | 29.83 1.86 -11.03 N | 25.49 1.63 -9.01 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 29.67 2.35 -8.58 N | 22.18 2.64 0.00 N | 23.58 2.75 0.00 N | 29.95 0.43 -25.90 N | 52.58 2.47 -28.51 N | 67.76 3.46 -36.33 N | 119.68 2.55 -95.62 N | 77.02 2.20 -55.69 N | 65.60 -0.72 -72.97 N | 35.07 1.71 -17.70 N | 79.24 2.39 -55.81 N | 152.71 1.73 -135.50 N | 149.70 1.86 -131.61 N | 98.31 3.45 -61.94 N | 112.25 1.28 -98.61 N | 71.90 2.61 -44.07 N | 37.84 3.36 -1.08 N | 47.25 3.48 -5.60 N |
| NSINS_S_GLNS_FALLS 23858 | 75.16 0.38 -70.51 N | 23.73 1.19 -7.91 N | 151.86 -2.30 -182.93 N | 66.46 0.04 -65.92 N | 50.66 0.53 -42.38 N | 76.05 0.64 -64.72 N | 17.48 0.85 0.00 N | 20.68 1.14 0.00 N | 21.99 1.17 0.00 N | 24.71 1.42 -2.09 N | 58.61 1.57 -35.42 N | 60.92 2.08 -30.87 N | 91.20 1.65 -68.05 N | 75.94 1.36 -55.44 N | 73.43 -0.45 -80.54 N | 31.40 1.04 -14.70 N | 69.71 1.31 -50.42 N | 187.06 1.21 -170.37 N | 174.58 1.26 -157.08 N | 59.66 2.54 -24.21 N | 122.25 0.93 -108.96 N | 78.26 1.73 -51.30 N | 35.57 2.16 0.00 N | 47.91 2.45 -7.30 N |

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| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| NUCOR_STEEL____DRP 24197 | 10.89 -0.06 -6.68 N | 15.14 -0.25 -0.75 N | -10.89 0.56 -17.32 N | 6.73 -0.01 -6.24 N | 11.66 -0.10 -4.01 N | 16.62 -0.20 -6.13 N | 16.28 -0.35 0.00 N | 19.27 -0.27 0.00 N | 20.55 -0.28 0.00 N | 21.25 -0.16 -0.20 N | 24.99 0.03 -3.35 N | 30.95 0.05 -2.92 N | 28.00 0.05 -6.45 N | 24.39 -0.01 -5.26 N | 1.01 0.04 -7.63 N | 16.98 -0.07 -1.39 N | 22.94 0.18 -4.77 N | 31.71 0.09 -16.13 N | 31.17 0.07 -14.87 N | 35.05 -0.16 -2.29 N | 22.62 -0.05 -10.31 N | 29.99 -0.09 -4.86 N | 33.14 -0.27 0.00 N | 38.51 -0.34 -0.69 N | | |
| NYISO_LBMP_REFERENCE 24008 | 4.27 0.00 0.00 N | 14.63 0.00 0.00 N | -28.76 0.00 0.00 N | 0.51 0.00 0.00 N | 7.74 0.00 0.00 N | 10.69 0.00 0.00 N | 16.63 0.00 0.00 N | 19.54 0.00 0.00 N | 20.83 0.00 0.00 N | 21.20 0.00 0.00 N | 21.61 0.00 0.00 N | 27.97 0.00 0.00 N | 21.50 0.00 0.00 N | 19.14 0.00 0.00 N | -6.66 0.00 0.00 N | 15.66 0.00 0.00 N | 17.98 0.00 0.00 N | 15.48 0.00 0.00 N | 16.23 0.00 0.00 N | 32.91 0.00 0.00 N | 12.36 0.00 0.00 N | 25.22 0.00 0.00 N | 33.41 0.00 0.00 N | 38.16 0.00 0.00 N | | |
| NYPA_BRENTWD____GT 24164 | 120.88 0.52 -116.09 N | 22.86 2.18 -6.05 N | 107.50 -3.56 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.74 2.11 0.00 N | 22.16 2.62 0.00 N | 23.54 2.71 0.00 N | 25.36 2.56 0.00 N | 52.99 2.63 -28.75 N | 69.75 3.55 -38.22 N | 120.32 2.65 -96.17 N | 77.19 2.37 -55.69 N | 66.48 -0.80 -73.93 N | 36.38 1.90 -18.82 N | 83.07 2.19 -62.90 N | 153.72 1.86 -136.37 N | 150.53 2.03 -132.27 N | 100.17 4.03 -63.23 N | 112.86 1.53 -98.97 N | 73.22 3.16 -44.84 N | 38.76 4.10 -1.26 N | 47.97 4.20 -5.61 N | | |
| NYPA_GOWANUS____GT5 24156 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | | |
| NYPA_GOWANUS____GT6 24157 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | | |
| NYPA_HARLEM_RVR_GT1 24160 | 58.56 0.40 -53.89 N | 22.12 1.44 -6.05 N | 108.72 -2.33 -139.81 N | 50.95 0.07 -50.38 N | 40.75 0.61 -32.39 N | 61.07 0.90 -49.47 N | 18.07 1.44 0.00 N | 21.30 1.76 0.00 N | 22.60 1.77 0.00 N | 24.67 1.87 -1.60 N | 50.67 1.99 -27.07 N | 54.28 2.71 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.38 -0.64 -61.68 N | 28.46 1.54 -11.26 N | 58.31 1.78 -38.56 N | 147.22 1.53 -130.21 N | 137.97 1.68 -120.06 N | 54.76 3.34 -18.50 N | 96.87 1.24 -83.27 N | 67.04 2.61 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.41 -5.59 N | | |
| NYPA_HARLEM_RVR_GT2 24161 | 58.56 0.40 -53.89 N | 22.12 1.44 -6.05 N | 108.72 -2.33 -139.81 N | 50.95 0.07 -50.38 N | 40.75 0.61 -32.39 N | 61.07 0.90 -49.47 N | 18.07 1.44 0.00 N | 21.30 1.76 0.00 N | 22.60 1.77 0.00 N | 24.67 1.87 -1.60 N | 50.67 1.99 -27.07 N | 54.28 2.71 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.38 -0.64 -61.68 N | 28.46 1.54 -11.26 N | 58.31 1.78 -38.56 N | 147.22 1.53 -130.21 N | 137.97 1.68 -120.06 N | 54.76 3.34 -18.50 N | 96.87 1.24 -83.27 N | 67.04 2.61 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.41 -5.59 N | | |
| NYPA_KENT____GT 24152 | 58.55 0.39 -53.89 N | 22.14 1.46 -6.05 N | 108.61 -2.43 -139.81 N | 50.94 0.05 -50.38 N | 40.77 0.63 -32.39 N | 61.08 0.92 -49.47 N | 18.08 1.45 0.00 N | 21.32 1.78 0.00 N | 22.62 1.79 0.00 N | 24.69 1.89 -1.60 N | 50.72 2.04 -27.07 N | 54.33 2.77 -23.59 N | 75.65 2.10 -52.05 N | 63.51 1.92 -42.46 N | 111.25 -0.66 -118.57 N | 132.24 1.58 -114.99 N | 141.86 1.84 -122.05 N | 280.51 1.57 -263.45 N | 208.27 1.71 -190.34 N | 200.57 3.38 -164.27 N | 180.90 1.23 -167.31 N | 151.35 2.63 -123.50 N | 135.39 3.30 -98.69 N | 59.98 3.50 -18.32 N | | |
| NYPA_POUCH1____GT 24155 | 58.53 0.37 -53.89 N | 22.10 1.42 -6.05 N | 108.71 -2.34 -139.81 N | 50.94 0.05 -50.38 N | 40.75 0.61 -32.39 N | 61.05 0.89 -49.47 N | 18.03 1.41 0.00 N | 21.26 1.72 0.00 N | 22.54 1.72 0.00 N | 24.61 1.81 -1.60 N | 50.63 1.95 -27.07 N | 54.21 2.65 -23.59 N | 75.56 2.01 -52.05 N | 63.42 1.83 -42.46 N | 145.04 -0.64 -152.34 N | 193.74 1.52 -176.57 N | 200.75 1.76 -181.01 N | 410.32 1.51 -393.32 N | 245.08 1.65 -227.20 N | 345.16 3.26 -308.99 N | 235.85 1.19 -222.30 N | 201.31 2.56 -173.53 N | 193.85 3.19 -157.26 N | 67.48 3.44 -25.88 N | | |
| NYPA_VERNON____GT2 24162 | 58.54 0.38 -53.89 N | 22.13 1.45 -6.05 N | 108.64 -2.41 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.63 -32.39 N | 61.07 0.91 -49.47 N | 18.06 1.43 0.00 N | 21.31 1.77 0.00 N | 22.62 1.79 0.00 N | 24.68 1.88 -1.60 N | 50.70 2.02 -27.07 N | 54.31 2.75 -23.59 N | 75.64 2.09 -52.05 N | 63.49 1.90 -42.46 N | 77.49 -0.66 -84.81 N | 70.67 1.57 -53.43 N | 92.29 1.82 -72.50 N | 201.42 1.55 -184.38 N | 155.59 1.69 -137.67 N | 114.03 3.35 -77.77 N | 131.03 1.23 -117.44 N | 101.30 2.60 -73.48 N | 76.79 3.26 -40.12 N | 52.37 3.45 -10.77 N | | |
| NYPA_VERNON____GT3 24163 | 58.54 0.38 -53.89 N | 22.13 1.45 -6.05 N | 108.64 -2.41 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.63 -32.39 N | 61.07 0.91 -49.47 N | 18.06 1.43 0.00 N | 21.31 1.77 0.00 N | 22.62 1.79 0.00 N | 24.68 1.88 -1.60 N | 50.70 2.02 -27.07 N | 54.31 2.75 -23.59 N | 75.64 2.09 -52.05 N | 63.49 1.90 -42.46 N | 77.49 -0.66 -84.81 N | 70.67 1.57 -53.43 N | 92.29 1.82 -72.50 N | 201.42 1.55 -184.38 N | 155.59 1.69 -137.67 N | 114.03 3.35 -77.77 N | 131.03 1.23 -117.44 N | 101.30 2.60 -73.48 N | 76.79 3.26 -40.12 N | 52.37 3.45 -10.77 N | | |
| NYPA____ASTORIA_CC1 323568 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N | | |
| NYPA____ASTORIA_CC2 323569 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.67 -2.38 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.30 2.73 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.24 1.55 -130.21 N | 137.97 1.67 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.42 -5.59 N | | |
| NYPA____HOLTSVILL | 120.86 | 22.76 | 107.71 | 50.97 | 41.00 | 66.83 | 18.64 | 22.04 | 23.41 | 25.20 | 52.44 | 66.80 | 119.34 | 77.00 | 65.17 | 34.61 | 81.63 | 152.33 | 149.43 | 97.95 | 112.17 | 71.76 | 38.04 | 47.48 | | |

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|--------------------------------|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
| 23794 | 0.49 -116.09 N | 2.07 -6.05 N | -3.35 -139.83 N | 0.07 -50.39 N | 0.85 -32.40 N | 1.26 -54.88 N | 2.01 0.00 N | 2.49 0.00 N | 2.59 0.00 N | 2.40 -1.60 N | 2.44 -28.40 N | 3.32 -35.51 N | 2.45 -95.38 N | 2.18 -55.69 N | -0.73 -72.56 N | 1.74 -17.22 N | 2.06 -61.60 N | 1.72 -135.12 N | 1.88 -131.33 N | 3.65 -61.38 N | 1.36 -98.45 N | 2.80 -43.73 N | 3.63 -1.00 N | 3.72 -5.60 N |
| NYPA_____HELLGATE_GT1 24158 | 58.56 0.40 -53.89 N | 22.12 1.44 -6.05 N | 108.72 -2.33 -139.81 N | 50.95 0.07 -50.38 N | 40.75 0.61 -32.39 N | 61.07 0.90 -49.47 N | 18.07 1.44 0.00 N | 21.30 1.76 0.00 N | 22.60 1.77 0.00 N | 24.67 1.87 -1.60 N | 50.67 1.99 -27.07 N | 54.28 2.71 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.38 -0.64 -61.68 N | 28.46 1.54 -11.26 N | 58.31 1.78 -38.56 N | 147.22 1.53 -130.21 N | 137.97 1.68 -120.06 N | 54.76 3.34 -18.50 N | 96.87 1.24 -83.27 N | 67.04 2.61 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.41 -5.59 N |
| NYPA_____HELLGATE_GT2 24159 | 58.56 0.40 -53.89 N | 22.12 1.44 -6.05 N | 108.72 -2.33 -139.81 N | 50.95 0.07 -50.38 N | 40.75 0.61 -32.39 N | 61.07 0.90 -49.47 N | 18.07 1.44 0.00 N | 21.30 1.76 0.00 N | 22.60 1.77 0.00 N | 24.67 1.87 -1.60 N | 50.67 1.99 -27.07 N | 54.28 2.71 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.38 -0.64 -61.68 N | 28.46 1.54 -11.26 N | 58.31 1.78 -38.56 N | 147.22 1.53 -130.21 N | 137.97 1.68 -120.06 N | 54.76 3.34 -18.50 N | 96.87 1.24 -83.27 N | 67.04 2.61 -39.21 N | 36.66 3.25 0.00 N | 47.17 3.41 -5.59 N |
| NYS_BARGE____HYD 23848 | 11.91 -0.35 -7.99 N | 14.21 -1.32 -0.90 N | -5.80 2.23 -20.73 N | 7.91 -0.07 -7.47 N | 12.07 -0.48 -4.80 N | 17.21 -0.82 -7.34 N | 15.31 -1.32 0.00 N | 18.32 -1.23 0.00 N | 19.14 -1.69 0.00 N | 19.70 -1.74 -0.24 N | 23.63 -1.99 -4.01 N | 28.79 -2.68 -3.50 N | 27.01 -2.20 -7.72 N | 23.36 -2.07 -6.30 N | 3.20 0.72 -9.14 N | 15.53 -1.79 -5.72 N | 21.97 -1.72 N | 33.34 -1.46 -19.30 N | 32.59 -1.44 -17.80 N | 32.20 -3.45 -2.74 N | 23.39 -1.31 -12.35 N | 29.20 -1.84 -5.81 N | 31.17 -2.24 0.00 N | 36.75 -2.24 -0.83 N |
| O.H._GEN_BRUCE 24063 | 12.79 -0.37 -8.89 N | 14.12 -1.51 -1.00 N | 27.00 -0.97 -11.03 N | 23.10 -0.75 -9.01 N | 12.52 -0.57 -5.34 N | 17.88 -0.98 -8.16 N | 20.58 -1.33 -3.17 N | 17.93 -1.61 0.00 N | 18.72 -2.11 0.00 N | 8.26 -0.27 -4.92 N | 24.11 -1.97 -4.47 N | 29.25 -2.62 -3.89 N | 27.93 -2.16 -8.59 N | 24.10 -2.04 -7.00 N | 4.30 0.78 -10.17 N | 15.66 -1.85 -1.86 N | 42.76 -2.09 -23.80 N | 35.46 -1.51 -21.49 N | 34.54 -1.50 -19.81 N | 32.42 -3.54 -3.05 N | 24.77 -1.33 -13.74 N | 29.56 -2.13 -6.47 N | 30.86 -2.55 0.00 N | 36.42 -2.67 -0.92 N |
| OAK ORCHARD____HYD 24046 | 10.64 -0.18 -6.55 N | 14.65 -0.72 -0.73 N | -10.43 1.35 -16.99 N | 6.59 -0.04 -6.12 N | 11.40 -0.27 -3.94 N | 16.25 -0.46 -6.01 N | 15.90 -0.73 0.00 N | 18.91 -0.63 0.00 N | 19.96 -0.87 0.00 N | 20.56 -0.84 -0.19 N | 23.96 -0.95 -3.29 N | 29.72 -1.12 -2.87 N | 26.91 -0.91 -6.32 N | 23.40 -0.89 -5.16 N | 1.14 0.31 -7.49 N | 16.22 -0.81 -1.37 N | 22.01 -0.65 -4.68 N | 30.79 -0.51 -15.82 N | 30.33 -0.49 -14.59 N | 33.76 -1.40 -2.25 N | 21.93 -0.55 -10.12 N | 29.29 -0.70 -4.76 N | 32.41 -1.00 0.00 N | 37.66 -1.18 -0.68 N |
| OCC_CHEM____DRP 24175 | 12.12 -0.39 -8.24 N | 14.11 -1.45 -0.92 N | -4.94 2.45 -21.38 N | 8.14 -0.07 -7.70 N | 12.15 -0.54 -4.95 N | 17.34 -0.92 -7.56 N | 15.16 -1.47 0.00 N | 18.14 -1.41 0.00 N | 18.96 -1.87 0.00 N | 19.47 -1.98 -0.24 N | 23.46 -2.29 -4.14 N | 28.50 -3.08 -3.61 N | 26.95 -2.50 -7.96 N | 23.29 -2.33 -6.49 N | 3.55 0.79 -9.42 N | 15.38 -2.00 -1.72 N | 21.89 -1.98 -5.90 N | 33.70 -1.69 -19.91 N | 32.89 -1.69 -18.36 N | 31.76 -3.98 -2.83 N | 23.58 -1.52 -12.73 N | 29.05 -2.17 -6.00 N | 30.76 -2.65 0.00 N | 36.35 -2.66 -0.85 N |
| OLIN_CORP_DRP 24177 | 12.12 -0.39 -8.24 N | 14.11 -1.45 -0.92 N | -4.94 2.45 -21.38 N | 8.14 -0.07 -7.70 N | 12.15 -0.54 -4.95 N | 17.34 -0.92 -7.56 N | 15.16 -1.47 0.00 N | 18.14 -1.41 0.00 N | 18.96 -1.87 0.00 N | 19.47 -1.98 -0.24 N | 23.46 -2.29 -4.14 N | 28.50 -3.08 -3.61 N | 26.95 -2.50 -7.96 N | 23.29 -2.33 -6.49 N | 3.55 0.79 -9.42 N | 15.38 -2.00 -1.72 N | 21.89 -1.98 -5.90 N | 33.70 -1.69 -19.91 N | 32.89 -1.69 -18.36 N | 31.76 -3.98 -2.83 N | 23.58 -1.52 -12.73 N | 29.05 -2.17 -6.00 N | 30.76 -2.65 0.00 N | 36.35 -2.66 -0.85 N |
| ONEIDA_HERK_LFGE 323681 | 4.33 0.06 0.00 N | 14.81 0.17 0.00 N | -29.07 -0.30 0.00 N | 0.87 0.00 -0.37 N | 8.58 0.10 -0.73 N | 11.63 0.12 -0.81 N | 17.00 0.18 -0.18 N | 19.79 0.24 0.00 N | 21.10 0.27 0.00 N | 21.60 0.39 0.00 N | 22.09 0.48 0.00 N | 28.61 0.65 0.00 N | 21.97 0.47 0.00 N | 19.51 0.37 0.00 N | -6.79 -0.13 0.00 N | 15.97 0.31 0.00 N | 18.36 0.38 0.00 N | 15.92 0.43 0.00 N | 16.69 0.46 0.00 N | 33.79 0.88 0.00 N | 12.69 0.33 0.00 N | 26.06 0.61 -0.22 N | 34.17 0.76 0.00 N | 38.96 0.80 0.00 N |
| ONONDAGA_REF_OCCRA 23987 | 9.33 -0.05 -5.11 N | 14.98 -0.23 -0.57 N | -15.00 0.50 -13.26 N | 5.27 -0.02 -4.78 N | 10.73 -0.09 -3.07 N | 15.22 -0.16 -4.69 N | 16.34 -0.29 0.00 N | 19.28 -0.26 0.00 N | 20.47 -0.36 0.00 N | 21.15 -0.21 -0.15 N | 24.04 -0.14 -2.24 N | 30.03 -0.18 -2.24 N | 26.29 -0.15 -4.93 N | 22.99 -0.17 -4.02 N | -0.75 0.07 -5.85 N | 16.55 -0.17 -1.07 N | 21.58 -0.05 -3.66 N | 27.81 -0.02 -12.35 N | 27.59 -0.03 -11.39 N | 34.48 -0.18 -1.76 N | 20.18 -0.08 -7.90 N | 28.80 -0.14 -3.72 N | 33.14 -0.27 0.00 N | 38.30 -0.39 -0.53 N |
| ONONDAGA____COGEN 23986 | 9.38 -0.06 -5.17 N | 14.96 -0.26 -0.58 N | -14.80 0.56 -13.40 N | 5.32 -0.02 -4.83 N | 10.75 -0.10 -3.11 N | 15.25 -0.18 -4.74 N | 16.31 -0.32 0.00 N | 19.26 -0.28 0.00 N | 20.45 -0.37 0.00 N | 21.11 -0.25 -0.15 N | 24.01 -0.19 -2.60 N | 29.99 -0.24 -2.26 N | 26.29 -0.20 -4.99 N | 22.99 -0.21 -4.07 N | -0.66 0.09 -5.91 N | 16.52 -0.21 -1.08 N | 21.57 -0.10 -3.70 N | 27.89 -0.07 -12.48 N | 27.66 -0.08 -11.51 N | 34.37 -0.32 -1.77 N | 20.21 -0.12 -7.98 N | 28.75 -0.23 -3.76 N | 33.03 -0.38 0.00 N | 38.19 -0.51 -0.54 N |
| ONTARIO____LFGE 23819 | 11.78 -0.07 -7.59 N | 15.04 -0.44 -0.85 N | -8.11 0.97 -19.69 N | 7.57 -0.03 -7.10 N | 12.18 -0.12 -4.56 N | 17.37 -0.29 -6.97 N | 16.11 -0.52 0.00 N | 19.11 -0.43 0.00 N | 20.19 -0.64 0.00 N | 21.10 -0.33 -0.22 N | 25.22 -0.20 -3.81 N | 31.10 -0.19 -3.32 N | 28.61 -0.22 -7.33 N | 24.84 -0.27 -5.98 N | 2.19 0.17 -8.68 N | 16.90 -0.34 -1.59 N | 23.36 -0.04 -5.43 N | 33.81 -0.01 -18.34 N | 33.17 0.03 -16.91 N | 35.26 -0.26 -2.61 N | 23.98 -0.11 -11.73 N | 30.59 -0.16 -5.52 N | 33.19 -0.22 0.00 N | 38.60 -0.35 -0.79 N |
| OSWEGATCHIE____HYD 24044 | 4.26 -0.01 0.00 N | 14.56 -0.07 0.00 N | -28.74 0.03 0.00 N | 2.36 0.00 -1.85 N | 11.40 -0.03 -3.69 N | 14.74 -0.04 -4.08 N | 17.45 -0.10 -0.92 N | 19.26 -0.28 0.00 N | 20.65 -0.18 0.00 N | 21.02 -0.19 0.00 N | 21.43 -0.19 0.00 N | 27.80 -0.17 0.00 N | 21.28 -0.23 0.00 N | 18.96 -0.18 0.00 N | -6.65 0.00 0.00 N | 15.60 -0.05 0.00 N | 17.52 -0.45 0.00 N | 15.34 -0.14 0.00 N | 16.06 -0.17 0.00 N | 32.69 -0.23 0.00 N | 12.34 -0.01 0.00 N | 26.28 -0.08 -1.13 N | 33.52 0.11 0.00 N | 38.40 0.24 0.00 N |
| OSWEGO____5 23606 | 7.94 -0.12 -3.79 N | 14.60 -0.45 -0.42 N | -18.02 0.91 -9.83 N | 4.03 -0.02 -3.54 N | 9.81 -0.22 -2.28 N | 13.85 -0.33 -3.48 N | 16.09 -0.54 0.00 N | 18.97 -0.57 0.00 N | 20.16 -0.67 0.00 N | 20.72 -0.60 -0.11 N | 22.93 -0.59 -1.91 N | 28.88 -0.75 -1.66 N | 24.58 -0.58 -3.66 N | 21.58 -0.54 -2.99 N | -2.13 0.19 -4.34 N | 15.98 -0.47 -0.79 N | 20.24 -0.45 -2.71 N | 24.26 -0.39 -9.16 N | 24.27 -0.40 -8.45 N | 33.28 -0.94 -1.30 N | 17.86 -0.36 -5.86 N | 27.32 -0.67 -2.76 N | 32.49 -0.92 0.00 N | 37.46 -1.09 -0.39 N |

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| OSWEGO___6 23613 | 7.94 -0.12 -3.79 N | 14.60 -0.45 -0.42 N | -18.02 0.91 -9.83 N | 4.03 -0.02 -3.54 N | 9.81 -0.22 -2.28 N | 13.85 -0.33 -3.48 N | 16.09 -0.54 0.00 N | 18.97 -0.57 0.00 N | 20.16 -0.67 0.00 N | 20.72 -0.60 -0.11 N | 22.93 -0.59 -1.91 N | 28.88 -0.75 -1.66 N | 24.58 -0.58 -3.66 N | 21.58 -0.54 -2.99 N | -2.13 0.19 -4.34 N | 15.98 -0.47 -0.79 N | 20.24 -0.45 -2.71 N | 24.26 -0.39 -9.16 N | 24.27 -0.40 -8.45 N | 33.28 -0.94 -1.30 N | 17.86 -0.36 -5.86 N | 27.32 -0.67 -2.76 N | 32.49 -0.92 0.00 N | 37.46 -1.09 -0.39 N |
| OUTOKUMPU-AB___DRP 24206 | 12.30 -0.31 -8.34 N | 14.33 -1.24 -0.94 N | -4.99 2.14 -21.64 N | 8.24 -0.07 -7.80 N | 12.33 -0.42 -5.01 N | 17.59 -0.77 -7.66 N | 15.38 -1.25 0.00 N | 18.40 -1.15 0.00 N | 19.22 -1.61 0.00 N | 19.87 -1.59 -0.25 N | 24.02 -1.78 -4.19 N | 29.20 -2.42 -3.65 N | 27.56 -2.00 -8.06 N | 23.82 -1.89 -6.57 N | 3.55 0.67 -9.54 N | 15.74 -1.66 -1.74 N | 22.41 -1.54 -5.97 N | 34.35 -1.29 -20.16 N | 33.55 -1.26 -18.58 N | 32.67 -3.11 -2.87 N | 24.07 -1.18 -12.89 N | 29.66 -1.63 -6.07 N | 31.46 -1.95 0.00 N | 37.09 -1.94 -0.87 N |
| OXBOW___ 24026 | 12.22 -0.34 -8.29 N | 14.25 -1.31 -0.93 N | -5.03 2.22 -21.51 N | 8.19 -0.07 -7.75 N | 12.26 -0.47 -4.99 N | 17.48 -0.82 -7.61 N | 15.30 -1.33 0.00 N | 18.31 -1.24 0.00 N | 19.13 -1.70 0.00 N | 19.73 -1.73 -0.25 N | 23.81 -1.97 -4.17 N | 28.93 -2.67 -3.63 N | 27.32 -2.19 -8.01 N | 23.61 -2.06 -6.53 N | 3.54 0.71 -9.48 N | 15.60 -1.79 -1.73 N | 22.20 -1.71 -5.93 N | 34.08 -1.44 -20.03 N | 33.28 -1.43 -18.47 N | 32.33 -3.43 -2.85 N | 23.87 -1.30 -12.81 N | 29.44 -1.82 -6.03 N | 31.20 -2.21 0.00 N | 36.82 -2.20 -0.86 N |
| OXY_CHEM_DSASP 323612 | 12.12 -0.39 -8.24 N | 14.11 -1.45 -0.92 N | -4.94 2.45 -21.38 N | 8.14 -0.07 -7.70 N | 12.15 -0.54 -4.95 N | 17.34 -0.92 -7.56 N | 15.16 -1.47 0.00 N | 18.14 -1.41 0.00 N | 18.96 -1.87 0.00 N | 19.47 -1.98 -0.24 N | 23.46 -2.29 -4.14 N | 28.50 -3.08 -3.61 N | 26.95 -2.50 -7.96 N | 23.29 -2.33 -6.49 N | 3.55 0.79 -9.42 N | 15.38 -2.00 -1.72 N | 21.89 -1.98 -5.90 N | 33.70 -1.69 -19.91 N | 32.89 -1.69 -18.36 N | 31.76 -3.98 -2.83 N | 23.58 -1.52 -12.73 N | 29.05 -2.17 -6.00 N | 30.76 -2.65 0.00 N | 36.35 -2.66 -0.85 N |
| PEEKSKILL___ 23653 | 58.05 0.32 -53.46 N | 21.86 1.23 -6.00 N | 107.81 -2.11 -138.69 N | 50.52 0.04 -49.98 N | 40.43 0.55 -32.14 N | 60.55 0.78 -49.07 N | 17.85 1.22 0.00 N | 21.06 1.52 0.00 N | 22.35 1.52 0.00 N | 24.38 1.59 -1.59 N | 50.19 1.73 -26.86 N | 53.71 2.34 -23.40 N | 74.89 1.76 -51.63 N | 62.84 1.59 -42.12 N | 53.96 -0.56 -61.18 N | 28.17 1.34 -11.17 N | 57.77 1.55 -38.25 N | 145.98 1.33 -129.17 N | 136.76 1.43 -119.10 N | 54.11 2.84 -18.36 N | 96.01 1.04 -82.61 N | 66.28 2.16 -38.90 N | 36.13 2.72 0.00 N | 46.63 2.92 -5.55 N |
| PGE MADISON___WINDPWR 24146 | 20.33 0.23 -15.83 N | 17.00 0.59 -1.78 N | 11.25 -1.05 -41.06 N | 15.29 -0.01 -14.80 N | 17.67 0.41 -9.52 N | 25.84 0.62 -14.53 N | 17.47 0.84 0.00 N | 20.72 1.18 0.00 N | 22.02 1.19 0.00 N | 23.23 1.56 -0.47 N | 31.40 1.84 -7.95 N | 37.09 2.19 -6.93 N | 38.33 1.55 -15.28 N | 32.87 1.28 -12.46 N | 11.01 -0.43 -18.10 N | 20.03 1.07 -3.31 N | 30.91 1.61 -11.32 N | 55.18 1.45 -38.24 N | 52.99 1.50 -35.26 N | 41.09 2.75 -5.43 N | 37.86 1.05 -24.46 N | 38.56 1.82 -11.52 N | 35.71 2.30 0.00 N | 42.33 2.53 -1.64 N |
| PIERCEFIELD___HYD 23852 | 4.22 -0.05 0.00 N | 14.46 -0.17 0.00 N | -28.68 0.08 0.00 N | 3.25 0.01 -2.73 N | 13.10 -0.09 -5.46 N | 16.64 -0.10 -6.04 N | 17.78 -0.22 -1.36 N | 18.98 -0.56 0.00 N | 20.43 -0.40 0.00 N | 20.66 -0.54 0.00 N | 20.96 -0.65 0.00 N | 27.22 -0.76 0.00 N | 20.89 -0.61 0.00 N | 18.69 -0.45 0.00 N | -6.58 0.08 0.00 N | 15.44 -0.22 0.00 N | 17.00 -0.98 0.00 N | 14.96 -0.53 0.00 N | 15.62 -0.61 0.00 N | 31.94 -0.97 0.00 N | 12.12 -0.24 0.00 N | 26.26 -0.64 -1.67 N | 33.03 -0.38 0.00 N | 38.08 -0.08 0.00 N |
| PINELAWN_CC_1 323563 | 120.83 0.48 -116.09 N | 22.69 2.01 -6.05 N | 107.79 -3.27 -139.83 N | 50.96 0.07 -50.39 N | 40.94 0.80 -32.40 N | 66.78 1.20 -54.88 N | 18.54 1.91 0.00 N | 21.91 2.37 0.00 N | 23.28 2.29 0.00 N | 25.09 2.45 -1.60 N | 54.35 2.38 -30.36 N | 81.62 3.23 -50.42 N | 123.60 2.41 -99.69 N | 76.98 2.16 -55.69 N | 72.68 -0.74 -80.08 N | 43.38 1.70 -26.02 N | 88.64 1.93 -68.73 N | 159.49 1.64 -142.37 N | 154.70 1.81 -136.66 N | 108.29 3.49 -71.88 N | 114.96 1.29 -101.31 N | 77.81 2.77 -49.82 N | 39.66 3.85 -2.41 N | 47.68 3.90 -5.62 N |
| PJM_GEN_KEystone 24065 | 31.62 -0.08 -27.43 N | 3.36 -0.53 11.03 N | 20.41 0.47 -28.66 N | 22.64 0.11 -25.95 N | 24.12 -0.12 -16.49 N | 27.24 -0.27 -17.92 N | 15.12 -0.64 0.00 N | 18.92 -0.63 0.00 N | 19.84 -0.99 0.00 N | 21.86 -0.44 -6.73 N | 35.03 -0.36 -13.78 N | 39.53 -0.46 -12.01 N | 47.52 -0.47 -26.49 N | 40.25 -0.50 -21.61 N | 27.66 0.21 -31.23 N | 20.82 -0.57 -5.73 N | 33.93 -0.47 -15.17 N | 71.27 -0.38 -53.28 N | 55.66 -0.50 -31.77 N | 45.03 -0.78 -14.44 N | 52.25 -0.36 -37.34 N | 45.68 -0.59 -20.01 N | 43.17 -0.54 -15.41 N | 40.46 -0.54 -2.85 N |
| PJM_GEN_NEPTUNE_PROXY 323594 | 120.79 0.43 -116.09 N | 14.74 1.83 1.35 N | 55.45 -0.83 -64.99 N | 52.80 -0.16 -54.57 N | 40.89 0.75 -32.40 N | 53.93 0.99 -43.34 N | 17.50 1.74 0.00 N | 21.83 2.29 0.00 N | 23.19 2.36 0.00 N | 35.68 1.63 -18.47 N | 51.32 2.28 -27.43 N | 59.16 3.06 -28.14 N | 117.02 2.26 -93.26 N | 76.84 2.02 -55.69 N | 61.47 -0.71 -68.84 N | 30.19 1.66 -12.86 N | 71.38 2.06 -50.48 N | 148.84 1.64 -131.72 N | 146.78 1.79 -128.76 N | 92.83 3.54 -56.38 N | 110.70 1.31 -97.04 N | 68.70 2.76 -40.72 N | 37.28 3.57 -0.30 N | 47.38 3.63 -5.60 N |
| PJM_GEN_VFT_PROXY 323633 | 58.49 0.34 -53.88 N | 14.27 1.33 1.32 N | 39.47 -0.56 -46.93 N | 52.79 -0.12 -54.52 N | 40.71 0.57 -32.39 N | 48.26 0.73 -37.93 N | 21.23 1.55 0.00 N | 21.21 1.67 0.00 N | 22.53 1.70 0.00 N | 27.89 1.26 -11.05 N | 50.51 1.82 -27.07 N | 54.06 2.49 -23.59 N | 75.42 1.88 -52.04 N | 63.29 1.71 -42.45 N | 54.40 -0.62 -61.68 N | 28.36 1.44 -11.26 N | 47.19 1.69 -27.19 N | 11.90 1.42 5.00 N | 108.11 1.52 -90.36 N | -100.49 3.01 136.41 N | 83.10 1.10 -69.65 N | 66.85 2.42 -39.21 N | 36.44 3.03 0.00 N | 46.89 3.14 -5.59 N |
| PLEASANTVLY___LBMP 24000 | 60.32 0.32 -55.73 N | 22.09 1.21 -6.25 N | 113.70 -2.13 -144.59 N | 52.65 0.04 -52.10 N | 41.80 0.56 -33.50 N | 62.64 0.78 -51.16 N | 17.83 1.20 0.00 N | 21.04 1.50 0.00 N | 22.34 1.51 0.00 N | 24.46 1.60 -1.65 N | 51.34 1.73 -28.00 N | 54.70 2.33 -24.40 N | 77.09 1.76 -53.83 N | 64.62 1.58 -43.90 N | 56.57 -0.55 -63.78 N | 28.61 1.30 -11.64 N | 59.36 1.51 -39.87 N | 151.46 1.31 -134.66 N | 141.80 1.41 -124.16 N | 54.86 2.81 -19.14 N | 99.52 1.04 -86.12 N | 67.90 2.13 -40.55 N | 36.12 2.71 0.00 N | 46.89 2.94 -5.78 N |
| POLETTI___ 23519 | 58.51 0.36 -53.89 N | 22.07 1.39 -6.05 N | 108.72 -2.32 -139.81 N | 50.93 0.04 -50.38 N | 40.73 0.60 -32.39 N | 61.02 0.86 -49.47 N | 17.99 1.36 0.00 N | 21.23 1.69 0.00 N | 22.54 1.72 0.00 N | 24.58 1.78 -1.60 N | 50.59 1.91 -27.07 N | 54.17 2.60 -23.59 N | 75.51 1.96 -52.04 N | 63.37 1.79 -42.45 N | 54.39 -0.63 -61.68 N | 28.41 1.49 -11.26 N | 58.25 1.71 -38.56 N | 147.16 1.47 -130.21 N | 137.87 1.59 -120.06 N | 54.56 3.15 -18.50 N | 96.79 1.16 -83.27 N | 66.88 2.45 -39.21 N | 36.50 3.09 0.00 N | 47.03 3.27 -5.59 N |
| PORT_JEFF_3 23555 | 120.91 0.55 -116.09 N | 22.94 2.26 -6.05 N | 107.35 -3.71 -139.83 N | 50.97 0.08 -50.39 N | 41.09 0.95 -32.40 N | 66.97 1.39 -54.88 N | 18.85 2.22 0.00 N | 22.28 2.74 0.00 N | 23.68 2.85 0.00 N | 25.50 2.70 -1.60 N | 52.91 2.77 -28.53 N | 68.25 3.77 -36.51 N | 119.98 2.80 -95.68 N | 77.31 2.49 -55.69 N | 65.57 -0.83 -73.07 N | 35.46 1.99 -17.81 N | 82.43 2.37 -62.08 N | 153.08 2.02 -135.58 N | 150.09 2.19 -131.67 N | 99.24 4.26 -62.06 N | 112.59 1.59 -98.64 N | 72.61 3.24 -44.14 N | 38.69 4.18 -1.09 N | 48.06 4.29 -5.60 N |

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| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| PORT_JEFF_4 23616 | 120.91 0.55 -116.09 N | 22.94 2.26 -6.05 N | 107.35 -3.71 -139.83 N | 50.97 0.08 -50.39 N | 41.09 0.95 -32.40 N | 66.97 1.39 -54.88 N | 18.85 2.22 0.00 N | 22.28 2.74 0.00 N | 23.68 2.85 0.00 N | 25.50 2.70 -1.60 N | 52.91 2.77 -28.53 N | 68.25 3.77 -36.51 N | 119.98 2.80 -95.68 N | 77.31 2.49 -55.69 N | 65.57 -0.83 -73.07 N | 35.46 1.99 -17.81 N | 82.43 2.37 -62.08 N | 153.08 2.02 -135.58 N | 150.09 2.19 -131.67 N | 99.24 4.26 -62.06 N | 112.59 1.59 -98.64 N | 72.61 3.24 -44.14 N | 38.69 4.18 -1.09 N | 48.06 4.29 -5.60 N | | |
| PORT_JEFF_IC 23713 | 120.94 0.58 -116.09 N | 23.03 2.35 -6.05 N | 107.19 -3.87 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.03 1.45 -54.88 N | 18.94 2.31 0.00 N | 22.39 2.85 0.00 N | 23.80 2.97 0.00 N | 25.63 2.83 -1.60 N | 53.09 2.91 -28.57 N | 68.77 3.97 -36.82 N | 120.22 2.95 -95.77 N | 77.44 2.62 -55.69 N | 65.69 -0.87 -73.22 N | 35.75 2.10 -17.99 N | 82.71 2.50 -62.23 N | 153.36 2.15 -135.73 N | 150.34 2.33 -131.78 N | 99.71 4.52 -62.28 N | 112.75 1.69 -98.70 N | 72.93 3.44 -44.27 N | 38.95 4.42 -1.12 N | 48.30 4.54 -5.60 N | | |
| PPL_PILGRIM_ST_GT1 24216 | 120.88 0.52 -116.09 N | 22.86 2.18 -6.05 N | 107.50 -3.56 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.74 2.11 0.00 N | 22.16 2.62 0.00 N | 23.54 2.71 0.00 N | 25.36 2.56 -1.60 N | 52.99 2.63 -28.75 N | 69.75 3.55 -38.22 N | 120.32 2.65 -96.17 N | 77.19 2.37 -55.69 N | 66.48 -0.80 -73.93 N | 36.38 1.90 -18.82 N | 83.07 2.19 -62.90 N | 153.72 1.86 -136.37 N | 150.53 2.03 -132.27 N | 100.17 4.03 -63.23 N | 112.86 1.53 -98.97 N | 73.22 3.16 -44.84 N | 38.76 4.10 -1.26 N | 47.97 4.20 -5.61 N | | |
| PPL_PILGRIM_ST_GT2 24217 | 120.88 0.52 -116.09 N | 22.86 2.18 -6.05 N | 107.50 -3.56 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.74 2.11 0.00 N | 22.16 2.62 0.00 N | 23.54 2.71 0.00 N | 25.36 2.56 -1.60 N | 52.99 2.63 -28.75 N | 69.75 3.55 -38.22 N | 120.32 2.65 -96.17 N | 77.19 2.37 -55.69 N | 66.48 -0.80 -73.93 N | 36.38 1.90 -18.82 N | 83.07 2.19 -62.90 N | 153.72 1.86 -136.37 N | 150.53 2.03 -132.27 N | 100.17 4.03 -63.23 N | 112.86 1.53 -98.97 N | 73.22 3.16 -44.84 N | 38.76 4.10 -1.26 N | 47.97 4.20 -5.61 N | | |
| PPL_SHRM_GT3 24213 | 120.83 0.47 -116.09 N | 22.68 2.00 -6.05 N | 107.87 -3.19 -139.83 N | 50.97 0.07 -50.39 N | 40.95 0.81 -32.40 N | 66.78 1.20 -54.88 N | 18.56 1.93 0.00 N | 21.94 2.39 0.00 N | 23.31 2.48 0.00 N | 24.99 2.19 -1.60 N | 52.26 2.12 -28.53 N | 67.47 2.98 -36.52 N | 119.37 2.19 -95.68 N | 76.72 1.90 -55.69 N | 65.80 -0.61 -73.07 N | 34.92 1.45 -17.81 N | 81.75 1.69 -62.08 N | 152.48 1.41 -135.59 N | 149.44 1.54 -131.68 N | 97.82 2.83 -62.07 N | 112.04 1.04 -98.65 N | 71.50 2.13 -44.14 N | 37.26 2.76 -1.09 N | 46.60 2.84 -5.60 N | | |
| PPL_SHRM_GT4 24214 | 120.83 0.47 -116.09 N | 22.68 2.00 -6.05 N | 107.87 -3.19 -139.83 N | 50.97 0.07 -50.39 N | 40.95 0.81 -32.40 N | 66.78 1.20 -54.88 N | 18.56 1.93 0.00 N | 21.94 2.39 0.00 N | 23.31 2.48 0.00 N | 24.99 2.19 -1.60 N | 52.26 2.12 -28.53 N | 67.47 2.98 -36.52 N | 119.37 2.19 -95.68 N | 76.72 1.90 -55.69 N | 65.80 -0.61 -73.07 N | 34.92 1.45 -17.81 N | 81.75 1.69 -62.08 N | 152.48 1.41 -135.59 N | 149.44 1.54 -131.68 N | 97.82 2.83 -62.07 N | 112.04 1.04 -98.65 N | 71.50 2.13 -44.14 N | 37.26 2.76 -1.09 N | 46.60 2.84 -5.60 N | | |
| PROJECT___ORANGE 1 24174 | 8.57 -0.07 -4.37 N | 14.83 -0.30 -0.49 N | -16.79 0.63 -11.34 N | 4.58 -0.02 -4.09 N | 10.25 -0.12 -2.63 N | 14.50 -0.21 -4.01 N | 16.27 -0.36 0.00 N | 19.19 -0.35 0.00 N | 20.38 -0.45 0.00 N | 21.02 -0.31 -0.13 N | 23.54 -0.26 -2.20 N | 29.55 -0.33 -1.91 N | 25.45 -0.27 -4.22 N | 22.31 -0.27 -3.44 N | -1.55 0.11 -5.00 N | 16.31 -0.26 -0.91 N | 20.95 -0.16 -3.13 N | 25.93 -0.12 -10.56 N | 25.86 -0.11 -9.74 N | 34.03 -0.39 -1.50 N | 18.96 -0.16 -6.76 N | 28.13 -0.28 -3.18 N | 32.97 -0.44 0.00 N | 38.03 -0.58 -0.45 N | | |
| PROJECT___ORANGE 2 24166 | 8.57 -0.07 -4.37 N | 14.83 -0.30 -0.49 N | -16.79 0.63 -11.34 N | 4.58 -0.02 -4.09 N | 10.25 -0.12 -2.63 N | 14.50 -0.21 -4.01 N | 16.27 -0.36 0.00 N | 19.19 -0.35 0.00 N | 20.38 -0.45 0.00 N | 21.02 -0.31 -0.13 N | 23.54 -0.26 -2.20 N | 29.55 -0.33 -1.91 N | 25.45 -0.27 -4.22 N | 22.31 -0.27 -3.44 N | -1.55 0.11 -5.00 N | 16.31 -0.26 -0.91 N | 20.95 -0.16 -3.13 N | 25.93 -0.12 -10.56 N | 25.86 -0.11 -9.74 N | 34.03 -0.39 -1.50 N | 18.96 -0.16 -6.76 N | 28.13 -0.28 -3.18 N | 32.97 -0.44 0.00 N | 38.03 -0.58 -0.45 N | | |
| PYRITES___HYD 24023 | 4.25 -0.02 0.00 N | 14.55 -0.08 0.00 N | -28.85 -0.09 0.00 N | 3.06 0.01 -2.54 N | 12.76 -0.04 -5.06 N | 16.27 -0.02 -5.60 N | 17.83 -0.07 -1.27 N | 19.18 -0.36 0.00 N | 20.65 -0.18 0.00 N | 20.89 -0.31 0.00 N | 21.20 -0.41 0.00 N | 27.51 -0.46 0.00 N | 21.12 -0.39 0.00 N | 18.88 -0.26 0.00 N | -6.64 0.02 0.00 N | 15.58 -0.07 0.00 N | 17.21 -0.77 0.00 N | 15.15 -0.33 0.00 N | 15.83 -0.40 0.00 N | 32.37 -0.55 0.00 N | 12.26 -0.10 0.00 N | 26.39 -0.39 -1.55 N | 33.35 -0.06 0.00 N | 38.37 0.21 0.00 N | | |
| RAMAPO___LBMP 323565 | 56.83 0.30 -52.26 N | 21.67 1.18 -5.86 N | 104.77 -2.04 -135.58 N | 49.39 0.03 -48.86 N | 39.69 0.53 -31.41 N | 59.42 0.75 -47.97 N | 17.81 1.18 0.00 N | 21.01 1.47 0.00 N | 22.30 1.47 0.00 N | 24.29 1.54 -1.55 N | 49.52 1.66 -26.25 N | 53.10 2.24 -22.88 N | 73.65 1.68 -50.47 N | 61.82 1.51 -41.17 N | 52.61 -0.54 -59.81 N | 27.88 1.30 -10.92 N | 56.85 1.49 -37.39 N | 143.01 1.26 -126.27 N | 134.01 1.36 -116.42 N | 53.55 2.69 -17.94 N | 94.10 0.99 -80.75 N | 65.28 2.04 -38.02 N | 35.97 2.56 0.00 N | 46.37 2.79 -5.42 N | | |
| RANKINE____ 23646 | 12.81 -0.30 -8.84 N | 14.34 -1.29 -0.99 N | -3.48 2.35 -22.94 N | 8.70 -0.07 -8.27 N | 12.62 -0.43 -5.31 N | 18.01 -0.80 -8.12 N | 15.31 -1.32 0.00 N | 18.29 -1.25 0.00 N | 19.09 -1.74 0.00 N | 19.96 -1.51 -0.26 N | 24.51 -1.54 -4.44 N | 29.74 -2.10 -3.87 N | 28.27 -1.77 -8.54 N | 24.41 -1.69 -6.96 N | 4.11 0.65 -10.11 N | 15.96 -1.54 -1.85 N | 22.95 -1.35 -6.32 N | 35.69 -1.16 -21.36 N | 34.81 -1.12 -19.70 N | 33.16 -2.80 -3.04 N | 24.97 -1.06 -13.66 N | 30.10 -1.56 -6.43 N | 31.57 -1.84 0.00 N | 37.18 -1.89 -0.92 N | | |
| RAVENSWOOD_GT2_1 24244 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.74 0.00 N | 24.61 1.80 -1.60 N | 50.63 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.53 1.99 -52.05 N | 63.40 1.81 -42.46 N | 54.38 -0.64 -61.68 N | 28.42 1.50 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.21 N | 137.90 1.61 -120.06 N | 54.61 3.19 -18.50 N | 96.81 1.18 -83.27 N | 66.91 2.48 -39.21 N | 36.53 3.12 0.00 N | 47.07 3.31 -5.59 N | | |
| RAVENSWOOD_GT2_2 24245 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.74 0.00 N | 24.61 1.80 -1.60 N | 50.63 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.53 1.99 -52.05 N | 63.40 1.81 -42.46 N | 54.38 -0.64 -61.68 N | 28.42 1.50 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.21 N | 137.90 1.61 -120.06 N | 54.61 3.19 -18.50 N | 96.81 1.18 -83.27 N | 66.91 2.48 -39.21 N | 36.53 3.12 0.00 N | 47.07 3.31 -5.59 N | | |
| RAVENSWOOD_GT2_3 | 58.52 | 22.09 | 108.67 | 50.93 | 40.75 | 61.05 | 18.02 | 21.26 | 22.57 | 24.62 | 50.63 | 54.22 | 75.55 | 63.41 | 54.38 | 28.44 | 58.29 | 147.20 | 137.91 | 54.63 | 96.82 | 66.93 | 36.56 | 47.09 | | |

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|---|------------------------------|-----------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------|------------------------------|
| 24246 | 0.37 -53.89 N | 1.41 -6.05 N | -2.38 -139.81 N | 0.04 -50.38 N | 0.61 -32.39 N | 0.88 -49.47 N | 1.39 0.00 N | 1.72 0.00 N | 1.75 0.00 N | 1.82 -1.60 N | 1.95 -27.07 N | 2.65 -23.59 N | 2.01 -52.05 N | 1.82 -42.46 N | -0.65 -61.68 N | 1.52 -11.26 N | 1.75 -38.56 N | 1.50 -130.21 N | 1.62 -120.06 N | 3.22 -18.50 N | 1.18 -83.27 N | 2.50 -39.21 N | 3.15 0.00 N | 3.34 -5.59 N |
| RAVENSWOOD_GT2_4 24247 | 58.52 0.37 -53.89 N | 22.09 1.41 -6.05 N | 108.67 -2.38 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.05 0.88 -49.47 N | 18.02 1.39 0.00 N | 21.26 1.72 0.00 N | 22.57 1.75 0.00 N | 24.62 1.82 -1.60 N | 50.63 1.95 -27.07 N | 54.22 2.65 -23.59 N | 75.55 2.01 -52.05 N | 63.41 1.82 -42.46 N | 54.38 -0.65 -61.68 N | 28.44 1.52 -11.26 N | 58.29 1.75 -38.56 N | 147.20 1.50 -130.21 N | 137.91 1.62 -120.06 N | 54.63 3.22 -18.50 N | 96.82 1.18 -83.27 N | 66.93 2.50 -39.21 N | 36.56 3.15 0.00 N | 47.09 3.34 -5.59 N |
| RAVENSWOOD_GT3_1 24248 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.74 0.00 N | 24.61 1.80 -1.60 N | 50.63 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.54 1.99 -52.05 N | 63.40 1.81 -42.46 N | 54.38 -0.64 -61.68 N | 28.42 1.50 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.21 N | 137.90 1.61 -120.06 N | 54.62 3.20 -18.50 N | 96.81 1.18 -83.27 N | 66.92 2.48 -39.21 N | 36.53 3.13 0.00 N | 47.07 3.32 -5.59 N |
| RAVENSWOOD_GT3_2 24249 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.74 0.00 N | 24.61 1.80 -1.60 N | 50.63 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.54 1.99 -52.05 N | 63.40 1.81 -42.46 N | 54.38 -0.64 -61.68 N | 28.42 1.50 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.21 N | 137.90 1.61 -120.06 N | 54.62 3.20 -18.50 N | 96.81 1.18 -83.27 N | 66.92 2.48 -39.21 N | 36.53 3.13 0.00 N | 47.07 3.32 -5.59 N |
| RAVENSWOOD_GT3_3 24250 | 58.53 0.37 -53.89 N | 22.10 1.42 -6.05 N | 108.66 -2.39 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.05 0.89 -49.47 N | 18.03 1.40 0.00 N | 21.28 1.73 0.00 N | 22.59 1.76 0.00 N | 24.63 1.82 -1.60 N | 50.65 1.96 -27.07 N | 54.23 2.66 -23.59 N | 75.57 2.02 -52.05 N | 63.42 1.83 -42.46 N | 54.38 -0.65 -61.68 N | 28.45 1.53 -11.26 N | 58.30 1.76 -38.56 N | 147.21 1.52 -130.21 N | 137.93 1.64 -120.06 N | 54.66 3.24 -18.50 N | 96.82 1.19 -83.27 N | 66.94 2.51 -39.21 N | 36.58 3.17 0.00 N | 47.11 3.36 -5.59 N |
| RAVENSWOOD_GT3_4 24251 | 58.53 0.37 -53.89 N | 22.10 1.42 -6.05 N | 108.66 -2.39 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.05 0.89 -49.47 N | 18.03 1.40 0.00 N | 21.28 1.73 0.00 N | 22.59 1.76 0.00 N | 24.63 1.82 -1.60 N | 50.65 1.96 -27.07 N | 54.23 2.66 -23.59 N | 75.57 2.02 -52.05 N | 63.42 1.83 -42.46 N | 54.38 -0.65 -61.68 N | 28.45 1.53 -11.26 N | 58.30 1.76 -38.56 N | 147.21 1.52 -130.21 N | 137.93 1.64 -120.06 N | 54.66 3.24 -18.50 N | 96.82 1.19 -83.27 N | 66.94 2.51 -39.21 N | 36.58 3.17 0.00 N | 47.11 3.36 -5.59 N |
| RAVENSWOOD_GT_1 23729 | 58.54 0.38 -53.89 N | 22.13 1.45 -6.05 N | 108.64 -2.41 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.63 -32.39 N | 61.07 0.91 -49.47 N | 18.06 1.43 0.00 N | 21.31 1.77 0.00 N | 22.62 1.79 0.00 N | 24.68 1.88 -1.60 N | 50.70 2.02 -27.07 N | 54.31 2.75 -23.59 N | 75.64 2.09 -52.05 N | 63.49 1.90 -42.46 N | 77.49 -0.66 -84.81 N | 70.67 1.57 -53.43 N | 92.29 1.82 -72.50 N | 201.42 1.55 -184.38 N | 155.59 1.69 -137.67 N | 114.03 3.35 -77.77 N | 131.03 1.23 -117.44 N | 101.30 2.60 -73.48 N | 76.79 3.26 -40.12 N | 52.37 3.45 -10.77 N |
| RAVENSWOOD_GT_10 24258 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.80 -1.60 N | 50.62 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.53 1.99 -52.05 N | 63.40 1.80 -42.46 N | 57.05 -0.64 -64.35 N | 33.29 1.50 -16.13 N | 62.19 1.73 -42.47 N | 153.44 1.49 -136.46 N | 139.93 1.61 -122.09 N | 61.44 3.19 -25.34 N | 100.75 1.17 -87.22 N | 70.86 2.48 -43.17 N | 41.16 3.12 -4.63 N | 47.66 3.31 -6.19 N |
| RAVENSWOOD_GT_11 24259 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.80 -1.60 N | 50.62 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.53 1.99 -52.05 N | 63.40 1.80 -42.46 N | 57.05 -0.64 -64.35 N | 33.29 1.50 -16.13 N | 62.19 1.73 -42.47 N | 153.44 1.49 -136.46 N | 139.93 1.61 -122.09 N | 61.44 3.19 -25.34 N | 100.75 1.17 -87.22 N | 70.86 2.48 -43.17 N | 41.16 3.12 -4.63 N | 47.66 3.31 -6.19 N |
| RAVENSWOOD_GT_4 24252 | 58.52 0.36 -53.89 N | 22.07 1.40 -6.05 N | 108.70 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.24 1.70 0.00 N | 22.55 1.73 0.00 N | 24.59 1.79 -1.60 N | 50.60 1.92 -27.07 N | 54.17 2.60 -23.59 N | 75.52 1.97 -52.05 N | 63.38 1.79 -42.46 N | 72.00 -0.63 -79.29 N | 60.52 1.49 -43.37 N | 84.10 1.72 -64.40 N | 188.43 1.48 -171.46 N | 151.30 1.60 -133.47 N | 99.71 3.17 -63.63 N | 122.81 1.16 -109.29 N | 92.99 2.46 -65.31 N | 67.06 3.10 -30.55 N | 50.99 3.30 -9.53 N |
| RAVENSWOOD_GT_5 24254 | 58.52 0.36 -53.89 N | 22.07 1.40 -6.05 N | 108.70 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.24 1.70 0.00 N | 22.55 1.73 0.00 N | 24.59 1.79 -1.60 N | 50.60 1.92 -27.07 N | 54.17 2.60 -23.59 N | 75.52 1.97 -52.05 N | 63.38 1.79 -42.46 N | 72.00 -0.63 -79.29 N | 60.52 1.49 -43.37 N | 84.10 1.72 -64.40 N | 188.43 1.48 -171.46 N | 151.30 1.60 -133.47 N | 99.71 3.17 -63.63 N | 122.81 1.16 -109.29 N | 92.99 2.46 -65.31 N | 67.06 3.10 -30.55 N | 50.99 3.30 -9.53 N |
| RAVENSWOOD_GT_6 24253 | 58.52 0.36 -53.89 N | 22.07 1.40 -6.05 N | 108.70 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.24 1.70 0.00 N | 22.55 1.73 0.00 N | 24.59 1.79 -1.60 N | 50.60 1.92 -27.07 N | 54.17 2.60 -23.59 N | 75.52 1.97 -52.05 N | 63.38 1.79 -42.46 N | 72.00 -0.63 -79.29 N | 60.52 1.49 -43.37 N | 84.10 1.72 -64.40 N | 188.43 1.48 -171.46 N | 151.30 1.60 -133.47 N | 99.71 3.17 -63.63 N | 122.81 1.16 -109.29 N | 92.99 2.46 -65.31 N | 67.06 3.10 -30.55 N | 50.99 3.30 -9.53 N |
| RAVENSWOOD_GT_7 24255 | 58.52 0.36 -53.89 N | 22.07 1.40 -6.05 N | 108.70 -2.35 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.00 1.37 0.00 N | 21.24 1.70 0.00 N | 22.55 1.73 0.00 N | 24.59 1.79 -1.60 N | 50.60 1.92 -27.07 N | 54.17 2.60 -23.59 N | 75.52 1.97 -52.05 N | 63.38 1.79 -42.46 N | 72.00 -0.63 -79.29 N | 60.52 1.49 -43.37 N | 84.10 1.72 -64.40 N | 188.43 1.48 -171.46 N | 151.30 1.60 -133.47 N | 99.71 3.17 -63.63 N | 122.81 1.16 -109.29 N | 92.99 2.46 -65.31 N | 67.06 3.10 -30.55 N | 50.99 3.30 -9.53 N |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.80 -1.60 N | 50.62 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.53 1.99 -52.05 N | 63.40 1.80 -42.46 N | 57.05 -0.64 -64.35 N | 33.29 1.50 -16.13 N | 62.19 1.73 -42.47 N | 153.44 1.49 -136.46 N | 139.93 1.61 -122.09 N | 61.44 3.19 -25.34 N | 100.75 1.17 -87.22 N | 70.86 2.48 -43.17 N | 41.16 3.12 -4.63 N | 47.66 3.31 -6.19 N |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|-----------------------------|------------------------------|
| RAVENSWOOD_GT_9 24257 | 58.52 0.36 -53.89 N | 22.08 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.74 0.61 -32.39 N | 61.04 0.87 -49.47 N | 18.01 1.38 0.00 N | 21.25 1.71 0.00 N | 22.56 1.73 0.00 N | 24.60 1.80 -1.60 N | 50.62 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.53 1.99 -52.05 N | 63.40 1.80 -42.46 N | 57.05 -0.64 -64.35 N | 33.29 1.50 -16.13 N | 62.19 1.73 -42.47 N | 153.44 1.49 -136.46 N | 139.93 1.61 -122.09 N | 61.44 3.19 -25.34 N | 100.75 1.17 -87.22 N | 70.86 2.48 -43.17 N | 41.16 3.12 -4.63 N | 47.66 3.31 -6.19 N |
| RAVENSWOOD____1 23533 | 58.54 0.38 -53.89 N | 22.12 1.45 -6.05 N | 108.65 -2.40 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.07 0.91 -49.47 N | 18.06 1.43 0.00 N | 21.30 1.76 0.00 N | 22.62 1.79 0.00 N | 24.67 1.87 -1.60 N | 50.70 2.01 -27.07 N | 54.30 2.74 -23.59 N | 75.63 2.08 -52.05 N | 63.49 1.90 -42.46 N | 54.36 -0.66 -61.68 N | 28.49 1.57 -11.26 N | 58.34 1.81 -38.56 N | 147.25 1.55 -130.21 N | 137.97 1.68 -120.06 N | 54.75 3.34 -18.50 N | 96.86 1.23 -83.27 N | 67.02 2.59 -39.21 N | 36.66 3.25 0.00 N | 47.18 3.43 -5.59 N |
| RAVENSWOOD____2 23534 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.65 -2.40 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.05 1.42 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.29 2.73 -23.59 N | 75.62 2.07 -52.05 N | 63.48 1.89 -42.46 N | 31.59 -0.66 -38.90 N | -13.05 1.56 30.27 N | 24.91 1.80 -5.13 N | 93.89 1.54 -76.87 N | 120.62 1.67 -102.72 N | -3.61 3.33 39.85 N | 63.22 1.22 -49.63 N | 33.27 2.58 -5.46 N | -2.86 3.25 39.51 N | 42.08 3.43 -0.50 N |
| RAVENSWOOD____3 23535 | 58.52 0.36 -53.89 N | 22.09 1.41 -6.05 N | 108.69 -2.36 -139.81 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.47 N | 18.01 1.38 0.00 N | 21.26 1.72 0.00 N | 22.56 1.74 0.00 N | 24.61 1.80 -1.60 N | 50.63 1.94 -27.07 N | 54.20 2.63 -23.59 N | 75.54 1.99 -52.05 N | 63.40 1.81 -42.46 N | 54.38 -0.64 -61.68 N | 28.42 1.50 -11.26 N | 58.27 1.74 -38.56 N | 147.19 1.50 -130.21 N | 137.90 1.61 -120.06 N | 54.62 3.20 -18.50 N | 96.81 1.18 -83.27 N | 66.92 2.48 -39.21 N | 36.53 3.13 0.00 N | 47.07 3.32 -5.59 N |
| RAVENSWOOD____4 23820 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.65 -2.40 -139.81 N | 50.94 0.05 -50.38 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.05 1.42 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.29 2.73 -23.59 N | 75.62 2.07 -52.05 N | 63.48 1.89 -42.46 N | 31.59 -0.66 -38.90 N | -13.05 1.56 30.27 N | 24.91 1.80 -5.13 N | 93.89 1.54 -76.87 N | 120.62 1.67 -102.72 N | -3.61 3.33 39.85 N | 63.22 1.22 -49.63 N | 33.27 2.58 -5.46 N | -2.86 3.25 39.51 N | 42.08 3.43 -0.50 N |
| RCPL_TRUST____DRP 24196 | 58.52 0.37 -53.89 N | 22.09 1.41 -6.04 N | 108.66 -2.38 -139.80 N | 50.93 0.04 -50.38 N | 40.75 0.61 -32.39 N | 61.04 0.88 -49.46 N | 18.02 1.39 0.00 N | 21.27 1.73 0.00 N | 22.58 1.75 0.00 N | 24.62 1.82 -1.60 N | 50.63 1.95 -27.07 N | 54.22 2.65 -23.59 N | 75.55 2.01 -52.04 N | 63.41 1.82 -42.45 N | 54.37 -0.65 -61.68 N | 28.44 1.52 -11.26 N | 58.28 1.75 -38.55 N | 147.19 1.50 -130.20 N | 137.90 1.62 -120.05 N | 54.63 3.21 -18.50 N | 96.81 1.18 -83.27 N | 66.93 2.50 -39.21 N | 36.56 3.15 0.00 N | 47.09 3.34 -5.59 N |
| RENSSELAER____COGEN 23796 | 72.72 0.26 -68.20 N | 23.17 0.89 -7.65 N | 146.56 -1.61 -176.93 N | 64.29 0.03 -63.76 N | 49.18 0.44 -41.00 N | 73.89 0.59 -62.60 N | 17.51 0.88 0.00 N | 20.64 1.10 0.00 N | 21.92 1.09 0.00 N | 24.46 1.23 -2.02 N | 57.18 1.31 -34.26 N | 59.57 1.74 -29.86 N | 88.63 1.32 -65.81 N | 73.87 1.14 -53.59 N | 70.81 -0.39 -77.86 N | 30.80 0.93 -14.21 N | 67.87 1.13 -48.76 N | 181.26 0.99 -164.78 N | 169.21 1.05 -151.94 N | 58.43 2.10 -23.42 N | 118.55 0.80 -105.39 N | 76.39 1.55 -49.62 N | 35.39 1.98 0.00 N | 47.48 2.26 -7.06 N |
| REVERE_CPPR_DRP 24186 | 5.49 0.08 -1.14 N | 14.99 0.22 -0.13 N | -26.19 -0.39 -2.97 N | 1.57 0.00 -1.07 N | 8.58 0.15 -0.69 N | 11.91 0.17 -1.05 N | 16.88 0.25 0.00 N | 19.89 0.35 0.00 N | 21.17 0.34 0.00 N | 21.75 0.51 -0.03 N | 22.82 0.63 -0.58 N | 29.31 0.83 -0.50 N | 23.22 0.62 -1.11 N | 20.54 0.50 -0.90 N | -5.53 -0.17 -1.31 N | 16.29 0.39 -0.24 N | 19.36 0.56 -0.82 N | 18.82 0.57 -2.76 N | 19.39 0.61 -2.55 N | 34.42 1.12 -0.39 N | 14.54 0.42 -1.77 N | 26.83 0.77 -0.83 N | 34.36 0.95 0.00 N | 39.27 0.99 -0.12 N |
| RIVERBAY____ 323610 | 58.54 0.38 -53.89 N | 22.06 1.39 -6.05 N | 108.78 -2.27 -139.81 N | 50.95 0.06 -50.38 N | 40.73 0.60 -32.39 N | 61.04 0.88 -49.47 N | 18.01 1.38 0.00 N | 21.22 1.68 0.00 N | 22.53 1.70 0.00 N | 24.58 1.78 -1.60 N | 50.60 1.92 -27.07 N | 54.19 2.63 -23.59 N | 75.57 2.02 -52.05 N | 63.43 1.84 -42.46 N | 54.39 -0.63 -61.68 N | 28.42 1.50 -11.26 N | 58.28 1.74 -38.56 N | 147.18 1.49 -130.21 N | 137.93 1.64 -120.06 N | 54.69 3.27 -18.50 N | 96.84 1.20 -83.27 N | 66.97 2.53 -39.21 N | 36.55 3.15 0.00 N | 47.05 3.30 -5.59 N |
| ROCHESTER_9_IC 23652 | 10.63 -0.14 -6.50 N | 14.82 -0.54 -0.73 N | -10.92 0.99 -16.86 N | 6.55 -0.03 -6.08 N | 11.47 -0.17 -3.91 N | 16.34 -0.32 -5.96 N | 16.12 -0.51 0.00 N | 19.18 -0.36 0.00 N | 20.25 -0.57 0.00 N | 20.87 -0.53 -0.19 N | 24.25 -0.63 -3.27 N | 30.23 -0.58 -2.85 N | 27.27 -0.51 -6.27 N | 23.71 -0.54 -5.12 N | 0.98 0.20 -7.43 N | 16.47 -0.55 -1.36 N | 22.31 -0.32 -4.65 N | 31.00 -0.19 -15.70 N | 30.57 -0.14 -14.48 N | 34.38 -0.77 -2.23 N | 22.08 -0.32 -10.04 N | 29.66 -0.29 -4.73 N | 32.93 -0.48 0.00 N | 38.20 -0.63 -0.67 N |
| ROSETON____1 23587 | 58.17 0.31 -53.60 N | 21.81 1.16 -6.01 N | 108.24 -2.04 -139.05 N | 50.65 0.04 -50.11 N | 40.50 0.54 -32.22 N | 60.65 0.75 -49.20 N | 17.79 1.16 0.00 N | 20.98 1.44 0.00 N | 22.27 1.44 0.00 N | 24.33 1.53 -1.59 N | 50.20 1.66 -26.93 N | 53.67 2.23 -23.47 N | 74.95 1.69 -51.76 N | 62.88 1.52 -42.22 N | 54.16 -0.53 -61.35 N | 28.11 1.25 -11.20 N | 57.78 1.45 -38.35 N | 146.24 1.26 -129.50 N | 136.99 1.36 -119.41 N | 54.02 2.70 -18.40 N | 96.18 1.00 -82.82 N | 66.27 2.05 -39.00 N | 36.00 2.59 0.00 N | 46.55 2.83 -5.56 N |
| ROSETON____2 23588 | 58.17 0.31 -53.60 N | 21.81 1.16 -6.01 N | 108.24 -2.04 -139.05 N | 50.65 0.04 -50.11 N | 40.50 0.54 -32.22 N | 60.65 0.75 -49.20 N | 17.79 1.16 0.00 N | 20.98 1.44 0.00 N | 22.27 1.44 0.00 N | 24.33 1.53 -1.59 N | 50.20 1.66 -26.93 N | 53.67 2.23 -23.47 N | 74.95 1.69 -51.76 N | 62.88 1.52 -42.22 N | 54.16 -0.53 -61.35 N | 28.11 1.25 -11.20 N | 57.78 1.45 -38.35 N | 146.24 1.26 -129.50 N | 136.99 1.36 -119.41 N | 54.02 2.70 -18.40 N | 96.18 1.00 -82.82 N | 66.27 2.05 -39.00 N | 36.00 2.59 0.00 N | 46.55 2.83 -5.56 N |
| RUSSELL____1 23602 | 10.76 0.00 -6.50 N | 15.14 -0.22 -0.73 N | -11.46 0.44 -16.86 N | 6.55 -0.03 -6.08 N | 11.62 -0.03 -3.91 N | 16.53 -0.13 -5.96 N | 16.44 -0.19 0.00 N | 19.52 -0.03 0.00 N | 20.59 -0.24 0.00 N | 21.24 -0.16 -0.19 N | 24.59 -0.29 -3.27 N | 30.73 -0.08 -2.85 N | 27.67 -0.11 -6.27 N | 24.06 -0.19 -5.12 N | 0.84 0.07 -7.43 N | 16.82 -0.19 -1.36 N | 22.75 0.13 -4.65 N | 31.38 0.20 -15.70 N | 30.94 0.23 -14.48 N | 35.17 0.02 -2.23 N | 22.38 -0.02 -10.04 N | 30.33 0.38 -4.73 N | 33.75 0.34 0.00 N | 39.10 0.27 -0.67 N |
| RUSSELL____2 23532 | 10.76 0.00 -6.50 N | 15.14 -0.22 -0.73 N | -11.46 0.44 -16.86 N | 6.55 -0.03 -6.08 N | 11.62 -0.03 -3.91 N | 16.53 -0.13 -5.96 N | 16.44 -0.19 0.00 N | 19.52 -0.03 0.00 N | 20.59 -0.24 0.00 N | 21.24 -0.16 -0.19 N | 24.59 -0.29 -3.27 N | 30.73 -0.08 -2.85 N | 27.67 -0.11 -6.27 N | 24.06 -0.19 -5.12 N | 0.84 0.07 -7.43 N | 16.82 -0.19 -1.36 N | 22.75 0.13 -4.65 N | 31.38 0.20 -15.70 N | 30.94 0.23 -14.48 N | 35.17 0.02 -2.23 N | 22.38 -0.02 -10.04 N | 30.33 0.38 -4.73 N | 33.75 0.34 0.00 N | 39.10 0.27 -0.67 N |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---------|-------|---------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|---------|--------|-------|-------|---|
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| RUSSELL___3 | 10.65 | 14.83 | -10.91 | 6.55 | 11.47 | 16.33 | 16.11 | 19.15 | 20.21 | 20.83 | 24.20 | 30.12 | 27.19 | 23.64 | 0.99 | 16.45 | 22.28 | 30.96 | 30.52 | 34.33 | 22.07 | 29.68 | 32.94 | 38.22 | |
| 23549 | -0.11 | -0.53 | 1.00 | -0.03 | -0.18 | -0.33 | -0.51 | -0.39 | -0.62 | -0.56 | -0.68 | -0.69 | -0.59 | -0.61 | 0.22 | -0.57 | -0.35 | -0.23 | -0.19 | -0.82 | -0.33 | -0.27 | -0.47 | -0.61 | |
| | -6.50 | -0.73 | -16.86 | -6.08 | -3.91 | -5.96 | 0.00 | 0.00 | 0.00 | -0.19 | -3.27 | -2.85 | -6.27 | -5.12 | -7.43 | -1.36 | -4.65 | -15.70 | -14.48 | -2.23 | -10.04 | -4.73 | 0.00 | -0.67 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| RUSSELL___4 | 10.76 | 15.13 | -11.46 | 6.55 | 11.62 | 16.53 | 16.43 | 19.51 | 20.58 | 21.24 | 24.59 | 30.72 | 27.66 | 24.06 | 0.85 | 16.82 | 22.75 | 31.37 | 30.94 | 35.16 | 22.38 | 30.33 | 33.73 | 39.09 | |
| 23556 | -0.01 | -0.23 | 0.45 | -0.03 | -0.04 | -0.13 | -0.20 | -0.03 | -0.24 | -0.16 | -0.29 | -0.09 | -0.12 | -0.20 | 0.07 | -0.20 | 0.12 | 0.19 | 0.23 | 0.01 | -0.02 | 0.37 | 0.32 | 0.25 | |
| | -6.50 | -0.73 | -16.86 | -6.08 | -3.91 | -5.96 | 0.00 | 0.00 | 0.00 | -0.19 | -3.27 | -2.85 | -6.27 | -5.12 | -7.43 | -1.36 | -4.65 | -15.70 | -14.48 | -2.23 | -10.04 | -4.73 | 0.00 | -0.67 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| RUSSELL___STATION | 10.65 | 14.83 | -10.91 | 6.55 | 11.47 | 16.33 | 16.11 | 19.15 | 20.21 | 20.83 | 24.20 | 30.12 | 27.19 | 23.64 | 0.99 | 16.45 | 22.28 | 30.96 | 30.52 | 34.33 | 22.07 | 29.68 | 32.94 | 38.22 | |
| 23914 | -0.11 | -0.53 | 1.00 | -0.03 | -0.18 | -0.33 | -0.51 | -0.39 | -0.62 | -0.56 | -0.68 | -0.69 | -0.59 | -0.61 | 0.22 | -0.57 | -0.35 | -0.23 | -0.19 | -0.82 | -0.33 | -0.27 | -0.47 | -0.61 | |
| | -6.50 | -0.73 | -16.86 | -6.08 | -3.91 | -5.96 | 0.00 | 0.00 | 0.00 | -0.19 | -3.27 | -2.85 | -6.27 | -5.12 | -7.43 | -1.36 | -4.65 | -15.70 | -14.48 | -2.23 | -10.04 | -4.73 | 0.00 | -0.67 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| S SALMON___HYD | 7.67 | 14.84 | -19.43 | 3.71 | 9.74 | 13.72 | 16.40 | 19.30 | 20.52 | 21.12 | 23.26 | 29.42 | 24.76 | 21.75 | -2.69 | 16.28 | 20.35 | 23.81 | 23.93 | 34.13 | 17.69 | 27.76 | 33.34 | 38.31 | |
| 24043 | -0.04 | -0.18 | 0.41 | -0.01 | -0.07 | -0.13 | -0.23 | -0.24 | -0.31 | -0.19 | -0.08 | -0.06 | -0.06 | -0.10 | 0.04 | -0.10 | -0.09 | 0.02 | 0.03 | 0.03 | 0.01 | 0.03 | -0.07 | -0.21 | |
| | -3.44 | -0.39 | -8.93 | -3.22 | -2.07 | -3.16 | 0.00 | 0.00 | 0.00 | -0.10 | -1.73 | -1.51 | -3.32 | -2.71 | -3.94 | -0.72 | -2.46 | -8.31 | -7.66 | -1.18 | -5.32 | -2.50 | 0.00 | -0.36 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SELKIRK___I | 72.11 | 23.07 | 145.11 | 63.74 | 48.81 | 73.33 | 17.46 | 20.57 | 21.84 | 24.33 | 56.79 | 59.18 | 87.96 | 73.32 | 70.17 | 30.59 | 67.35 | 179.75 | 167.81 | 58.04 | 117.56 | 75.86 | 35.24 | 47.21 | |
| 23801 | 0.23 | 0.85 | -1.54 | 0.02 | 0.43 | 0.57 | 0.83 | 1.03 | 1.02 | 1.12 | 1.21 | 1.60 | 1.22 | 1.05 | -0.36 | 0.84 | 1.03 | 0.90 | 0.95 | 1.91 | 0.72 | 1.44 | 1.83 | 2.05 | |
| | -67.61 | -7.58 | -175.41 | -63.21 | -40.64 | -62.06 | 0.00 | 0.00 | 0.00 | -2.00 | -33.97 | -29.60 | -65.24 | -53.13 | -77.19 | -14.09 | -48.34 | -163.37 | -150.63 | -23.22 | -104.48 | -49.20 | 0.00 | -7.00 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SELKIRK___II | 72.43 | 22.97 | 146.29 | 64.07 | 48.95 | 73.56 | 17.31 | 20.39 | 21.66 | 24.16 | 56.77 | 59.08 | 88.07 | 73.32 | 70.49 | 30.49 | 67.41 | 180.47 | 168.46 | 57.87 | 118.01 | 75.89 | 34.93 | 46.88 | |
| 23799 | 0.20 | 0.71 | -1.28 | 0.02 | 0.35 | 0.47 | 0.68 | 0.84 | 0.83 | 0.94 | 1.02 | 1.35 | 1.02 | 0.88 | -0.30 | 0.69 | 0.85 | 0.76 | 0.81 | 1.62 | 0.62 | 1.21 | 1.53 | 1.70 | |
| | -67.97 | -7.62 | -176.34 | -63.54 | -40.86 | -62.39 | 0.00 | 0.00 | 0.00 | -2.02 | -34.14 | -29.76 | -65.54 | -53.31 | -77.45 | -14.14 | -48.57 | -164.23 | -151.42 | -23.34 | -105.03 | -49.45 | 0.00 | -7.02 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SENECA OSWGO___HYD | 8.24 | 14.70 | -17.41 | 4.29 | 10.01 | 14.16 | 16.18 | 19.10 | 20.30 | 20.90 | 23.27 | 29.25 | 25.03 | 21.97 | -1.87 | 16.16 | 20.61 | 25.09 | 25.06 | 33.70 | 18.40 | 27.73 | 32.73 | 37.72 | |
| 24041 | -0.10 | -0.38 | 0.80 | -0.02 | -0.18 | -0.27 | -0.45 | -0.44 | -0.53 | -0.42 | -0.38 | -0.50 | -0.40 | -0.37 | 0.14 | -0.35 | -0.28 | -0.21 | -0.23 | -0.61 | -0.24 | -0.45 | -0.68 | -0.86 | |
| | -4.07 | -0.46 | -10.55 | -3.80 | -2.45 | -3.73 | 0.00 | 0.00 | 0.00 | -0.12 | -2.04 | -1.78 | -3.93 | -3.20 | -4.65 | -0.85 | -2.91 | -9.83 | -9.06 | -1.40 | -6.28 | -2.96 | 0.00 | -0.42 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SENECA___ENERGY | 10.91 | 14.94 | -10.33 | 6.78 | 11.62 | 16.56 | 16.08 | 19.03 | 20.18 | 20.95 | 24.67 | 30.56 | 27.70 | 24.11 | 1.21 | 16.71 | 22.66 | 31.64 | 31.12 | 34.68 | 22.56 | 29.76 | 32.84 | 38.13 | |
| 23797 | -0.10 | -0.44 | 0.95 | -0.03 | -0.17 | -0.32 | -0.55 | -0.51 | -0.65 | -0.45 | -0.32 | -0.36 | -0.31 | -0.33 | 0.16 | -0.36 | -0.14 | -0.12 | -0.12 | -0.55 | -0.21 | -0.36 | -0.57 | -0.72 | |
| | -6.74 | -0.76 | -17.48 | -6.30 | -4.05 | -6.19 | 0.00 | 0.00 | 0.00 | -0.20 | -3.38 | -2.95 | -6.50 | -5.30 | -7.71 | -1.41 | -4.82 | -16.28 | -15.01 | -2.31 | -10.41 | -4.90 | 0.00 | -0.70 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SHOEMAKER___GT | 53.94 | 21.24 | 97.49 | 46.71 | 37.93 | 56.72 | 17.69 | 20.86 | 22.16 | 24.11 | 48.00 | 51.71 | 70.80 | 59.48 | 49.38 | 27.15 | 54.70 | 136.03 | 127.57 | 52.47 | 89.64 | 63.12 | 35.90 | 45.98 | |
| 23640 | 0.29 | 1.06 | -1.87 | 0.04 | 0.50 | 0.69 | 1.06 | 1.32 | 1.33 | 1.44 | 1.57 | 2.11 | 1.60 | 1.43 | -0.50 | 1.17 | 1.38 | 1.22 | 1.31 | 2.60 | 0.96 | 1.96 | 2.49 | 2.70 | |
| | -49.38 | -5.54 | -128.13 | -46.17 | -29.69 | -45.33 | 0.00 | 0.00 | 0.00 | -1.46 | -24.81 | -21.62 | -47.70 | -38.92 | -56.53 | -10.32 | -35.34 | -119.33 | -110.02 | -16.96 | -76.32 | -35.93 | 0.00 | -5.13 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SHOREHAM_IC_1 | 120.83 | 22.68 | 107.87 | 50.97 | 40.95 | 66.78 | 18.56 | 21.94 | 23.31 | 24.99 | 52.26 | 67.47 | 119.37 | 76.72 | 65.80 | 34.92 | 81.75 | 152.48 | 149.44 | 97.82 | 112.04 | 71.50 | 37.26 | 46.60 | |
| 23715 | 0.47 | 2.00 | -3.19 | 0.07 | 0.81 | 1.20 | 1.93 | 2.39 | 2.48 | 2.19 | 2.12 | 2.98 | 2.19 | 1.90 | -0.61 | 1.45 | 1.69 | 1.41 | 1.54 | 2.83 | 1.04 | 2.13 | 2.76 | 2.84 | |
| | -116.09 | -6.05 | -139.83 | -50.39 | -32.40 | -54.88 | 0.00 | 0.00 | 0.00 | -1.60 | -28.53 | -36.52 | -95.68 | -55.69 | -73.07 | -17.81 | -62.08 | -135.59 | -131.68 | -62.07 | -98.65 | -44.14 | -1.09 | -5.60 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SHOREHAM_IC_2 | 120.83 | 22.68 | 107.87 | 50.97 | 40.95 | 66.78 | 18.56 | 21.94 | 23.31 | 24.99 | 52.26 | 67.47 | 119.37 | 76.72 | 65.80 | 34.92 | 81.75 | 152.48 | 149.44 | 97.82 | 112.04 | 71.50 | 37.26 | 46.60 | |
| 23716 | 0.47 | 2.00 | -3.19 | 0.07 | 0.81 | 1.20 | 1.93 | 2.39 | 2.48 | 2.19 | 2.12 | 2.98 | 2.19 | 1.90 | -0.61 | 1.45 | 1.69 | 1.41 | 1.54 | 2.83 | 1.04 | 2.13 | 2.76 | 2.84 | |
| | -116.09 | -6.05 | -139.83 | -50.39 | -32.40 | -54.88 | 0.00 | 0.00 | 0.00 | -1.60 | -28.53 | -36.52 | -95.68 | -55.69 | -73.07 | -17.81 | -62.08 | -135.59 | -131.68 | -62.07 | -98.65 | -44.14 | -1.09 | -5.60 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SISSONVILLE___ | 4.22 | 14.46 | -28.68 | 3.25 | 13.10 | 16.64 | 17.78 | 18.98 | 20.43 | 20.66 | 20.96 | 27.22 | 20.89 | 18.69 | -6.58 | 15.44 | 17.00 | 14.96 | 15.62 | 31.94 | 12.12 | 26.26 | 33.03 | 38.08 | |
| 23735 | -0.05 | -0.17 | 0.08 | 0.01 | -0.09 | -0.10 | -0.22 | -0.56 | -0.40 | -0.54 | -0.65 | -0.76 | -0.61 | -0.45 | 0.08 | -0.22 | -0.98 | -0.53 | -0.61 | -0.97 | -0.24 | -0.64 | -0.38 | -0.08 | |
| | 0.00 | 0.00 | 0.00 | -2.73 | -5.46 | -6.04 | -1.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.67 | 0.00 | 0.00 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SITHE_IND_GS1 | 7.45 | 14.45 | -18.99 | 3.60 | 9.48 | 13.35 | 15.97 | 18.83 | 20.02 | 20.54 | 22.53 | 28.44 | 23.95 | 21.07 | -2.60 | 15.76 | 19.76 | 23.02 | 23.11 | 32.83 | 17.04 | 26.77 | 32.19 | 37.09 | |
| 24169 | -0.16 | -0.56 | 1.11 | -0.02 | -0.27 | -0.41 | -0.66 | -0.71 | -0.81 | -0.76 | -0.76 | -0.99 | -0.77 | -0.69 | 0.24 | -0.60 | -0.61 | -0.52 | -0.55 | -1.23 | -0.47 | -0.88 | -1.22 | -1.42 | |
| | -3.34 | -0.37 | -8.66 | -3.12 | -2.01 | -3.06 | 0.00 | 0.00 | 0.00 | -0.10 | -1.68 | -1.46 | -3.22 | -2.63 | -3.82 | -0.70 | -2.39 | -8.06 | -7.44 | -1.15 | -5.16 | -2.43 | 0.00 | -0.35 | |
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | |
| SITHE_IND_GS2 | 7.45 | 14.45 | -18.99 | 3.60 | 9.48 | 13.35 | 15.97 | 18.83 | 20.02 | 20.54 | 22.53 | 28.44 | 23.95 | 21.07 | -2.60 | 15.76 | 19.76 | 23.02 | 23.11 | 32.83 | 17.04 | 26.77 | 32.19 | 37.09 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
| 24170 | -0.16 -3.34 N | -0.56 -0.37 N | 1.11 -8.66 N | -0.02 -3.12 N | -0.27 -2.01 N | -0.41 -3.06 N | -0.66 0.00 N | -0.71 0.00 N | -0.81 0.00 N | -0.76 -0.10 N | -0.76 -1.68 N | -0.99 -1.46 N | -0.77 -3.22 N | -0.69 -2.63 N | 0.24 -3.82 N | -0.60 -0.70 N | -0.61 -2.39 N | -0.52 -8.06 N | -0.55 -7.44 N | -1.23 -1.15 N | -0.47 -5.16 N | -0.88 -2.43 N | -1.22 0.00 N | -1.42 -0.35 N |
| SITHE_IND_GS3 24171 | 7.45 -0.16 -3.34 N | 14.45 -0.56 -0.37 N | -18.99 1.11 -8.66 N | 3.60 -0.02 -3.12 N | 9.48 -0.27 -2.01 N | 13.35 -0.41 -3.06 N | 15.97 -0.66 0.00 N | 18.83 -0.71 0.00 N | 20.02 -0.81 0.00 N | 20.54 -0.76 -0.10 N | 22.53 -0.76 -1.68 N | 28.44 -0.99 -1.46 N | 23.95 -0.77 -3.22 N | 21.07 -0.69 -2.63 N | -2.60 0.24 -3.82 N | 15.76 -0.60 -0.70 N | 19.76 -0.61 -2.39 N | 23.02 -0.52 -8.06 N | 23.11 -0.55 -7.44 N | 32.83 -1.23 -1.15 N | 17.04 -0.47 -5.16 N | 26.77 -0.88 -2.43 N | 32.19 -1.22 0.00 N | 37.09 -1.42 -0.35 N |
| SITHE_IND_GS4 24172 | 7.45 -0.16 -3.34 N | 14.45 -0.56 -0.37 N | -18.99 1.11 -8.66 N | 3.60 -0.02 -3.12 N | 9.48 -0.27 -2.01 N | 13.35 -0.41 -3.06 N | 15.97 -0.66 0.00 N | 18.83 -0.71 0.00 N | 20.02 -0.81 0.00 N | 20.54 -0.76 -0.10 N | 22.53 -0.76 -1.68 N | 28.44 -0.99 -1.46 N | 23.95 -0.77 -3.22 N | 21.07 -0.69 -2.63 N | -2.60 0.24 -3.82 N | 15.76 -0.60 -0.70 N | 19.76 -0.61 -2.39 N | 23.02 -0.52 -8.06 N | 23.11 -0.55 -7.44 N | 32.83 -1.23 -1.15 N | 17.04 -0.47 -5.16 N | 26.77 -0.88 -2.43 N | 32.19 -1.22 0.00 N | 37.09 -1.42 -0.35 N |
| SITHE___BATAVIA 24024 | 11.57 -0.23 -7.54 N | 14.53 -0.94 -0.85 N | -7.60 1.61 -19.56 N | 7.50 -0.05 -7.05 N | 11.96 -0.31 -4.53 N | 17.04 -0.57 -6.92 N | 15.71 -0.92 0.00 N | 18.77 -0.78 0.00 N | 19.67 -1.15 0.00 N | 20.22 -1.21 -0.22 N | 24.03 -1.37 -3.79 N | 29.56 -1.71 -3.30 N | 27.35 -1.43 -7.28 N | 23.69 -1.38 -5.94 N | 2.45 0.48 -8.62 N | 16.01 -1.23 -1.57 N | 22.32 -1.06 -5.39 N | 32.85 -0.84 -18.21 N | 32.22 -0.80 -16.79 N | 33.36 -2.14 -2.59 N | 23.18 -0.82 -11.65 N | 29.70 -1.01 -5.48 N | 32.14 -1.27 0.00 N | 37.64 -1.30 -0.78 N |
| SITHE___INDEPEND 23800 | 7.45 -0.16 -3.34 N | 14.45 -0.56 -0.37 N | -18.99 1.11 -8.66 N | 3.60 -0.02 -3.12 N | 9.48 -0.27 -2.01 N | 13.35 -0.41 -3.06 N | 15.97 -0.66 0.00 N | 18.83 -0.71 0.00 N | 20.02 -0.81 0.00 N | 20.54 -0.76 -0.10 N | 22.53 -0.76 -1.68 N | 28.44 -0.99 -1.46 N | 23.95 -0.77 -3.22 N | 21.07 -0.69 -2.63 N | -2.60 0.24 -3.82 N | 15.76 -0.60 -0.70 N | 19.76 -0.61 -2.39 N | 23.02 -0.52 -8.06 N | 23.11 -0.55 -7.44 N | 32.83 -1.23 -1.15 N | 17.04 -0.47 -5.16 N | 26.77 -0.88 -2.43 N | 32.19 -1.22 0.00 N | 37.09 -1.42 -0.35 N |
| SITHE___MASSENA 23902 | 4.21 -0.06 0.00 N | 14.43 -0.20 0.00 N | -28.62 0.15 0.00 N | 0.94 0.01 -0.43 N | 8.48 -0.11 -0.85 N | 11.54 -0.10 -0.94 N | 16.74 -0.10 -0.21 N | 19.23 -0.31 0.00 N | 20.66 -0.17 0.00 N | 20.84 -0.37 0.00 N | 21.10 -0.51 0.00 N | 27.24 -0.73 0.00 N | 20.94 -0.56 0.00 N | 18.71 -0.43 0.00 N | -6.56 0.09 0.00 N | 15.41 -0.25 0.00 N | 17.24 -0.74 0.00 N | 15.04 -0.45 0.00 N | 15.71 -0.52 0.00 N | 32.09 -0.82 0.00 N | 12.09 -0.27 0.00 N | 24.80 -0.68 -0.26 N | 32.87 -0.54 0.00 N | 37.81 -0.36 0.00 N |
| SITHE___OGDNSBRG 24021 | 4.26 0.00 0.00 N | 14.62 -0.02 0.00 N | -28.99 -0.23 0.00 N | 2.10 0.02 -1.58 N | 10.89 -0.01 -3.16 N | 14.23 0.05 -3.49 N | 17.53 0.11 -0.79 N | 19.44 -0.10 0.00 N | 20.91 0.09 0.00 N | 21.12 -0.08 0.00 N | 21.41 -0.20 0.00 N | 27.69 -0.28 0.00 N | 21.28 -0.22 0.00 N | 19.01 -0.13 0.00 N | -6.67 0.02 0.00 N | 15.68 0.02 0.00 N | 17.45 -0.53 0.00 N | 15.30 -0.18 0.00 N | 16.00 -0.23 0.00 N | 32.68 -0.23 0.00 N | 12.33 -0.02 0.00 N | 25.92 -0.27 -0.97 N | 33.48 0.07 0.00 N | 38.46 0.30 0.00 N |
| SITHE___STERLING 23777 | 5.91 0.04 -1.61 N | 14.90 0.09 -0.18 N | -24.75 -0.15 -4.16 N | 2.00 -0.01 -1.50 N | 8.79 0.08 -0.96 N | 12.25 0.08 -1.47 N | 16.73 0.10 0.00 N | 19.72 0.18 0.00 N | 20.98 0.15 0.00 N | 21.55 0.30 -0.05 N | 22.82 0.40 -0.81 N | 29.19 0.51 -0.70 N | 23.42 0.37 -1.55 N | 20.69 0.29 -1.26 N | -4.93 -0.10 -1.83 N | 16.20 0.21 -0.33 N | 19.50 0.38 -1.15 N | 19.74 0.38 -3.88 N | 20.20 0.39 -3.57 N | 34.16 0.70 -0.55 N | 15.09 0.25 -2.48 N | 26.86 0.47 -1.17 N | 33.97 0.56 0.00 N | 38.89 0.56 -0.17 N |
| SOUTH CAIRO___GT 23612 | 63.54 0.30 -58.96 N | 22.32 1.07 -6.61 N | 122.29 -1.91 -152.97 N | 55.66 0.03 -55.12 N | 43.69 0.50 -35.44 N | 65.50 0.68 -54.12 N | 17.65 1.03 0.00 N | 20.83 1.29 0.00 N | 22.15 1.32 0.00 N | 24.44 1.49 -1.75 N | 52.89 1.66 -29.62 N | 56.03 2.25 -25.81 N | 80.58 1.73 -57.35 N | 68.12 1.55 -47.43 N | 61.72 -0.53 -68.91 N | 29.51 1.27 -12.58 N | 61.93 1.54 -42.41 N | 159.33 1.38 -142.47 N | 149.08 1.49 -131.36 N | 56.15 2.99 -20.25 N | 104.59 1.11 -91.11 N | 70.29 2.16 -42.90 N | 36.13 2.72 0.00 N | 47.39 2.98 -6.25 N |
| SOUTH HAMPTN___IC 23720 | 121.16 0.80 -116.09 N | 23.79 3.11 -6.05 N | 105.79 -5.27 -139.83 N | 51.00 0.11 -50.39 N | 41.53 1.39 -32.40 N | 67.56 1.98 -54.88 N | 19.80 3.17 0.00 N | 23.45 3.91 0.00 N | 24.98 4.15 0.00 N | 26.93 4.13 -1.60 N | 54.43 4.31 -28.51 N | 70.25 5.91 -36.37 N | 121.53 4.39 -95.63 N | 78.67 3.85 -55.69 N | 65.08 -1.26 -73.00 N | 36.42 3.04 -17.73 N | 83.71 3.72 -62.01 N | 154.32 3.31 -135.52 N | 151.36 3.51 -131.63 N | 101.63 6.74 -61.97 N | 113.50 2.53 -98.62 N | 74.36 5.05 -44.08 N | 40.92 6.43 -1.08 N | 50.41 6.64 -5.60 N |
| SOUTHOLD___IC 23719 | 121.38 1.01 -116.09 N | 24.40 3.72 -6.05 N | 104.70 -6.36 -139.83 N | 51.02 0.13 -50.39 N | 41.82 1.68 -32.40 N | 67.96 2.38 -54.88 N | 20.41 3.77 0.00 N | 24.17 4.63 0.00 N | 25.77 4.94 0.00 N | 27.88 5.08 -1.60 N | 55.54 5.42 -28.51 N | 71.78 7.43 -36.37 N | 122.70 5.57 -95.63 N | 79.71 4.89 -55.69 N | 64.75 -1.59 -73.00 N | 37.25 3.87 -17.73 N | 84.80 4.81 -62.01 N | 155.45 4.44 -135.52 N | 152.52 4.67 -131.63 N | 103.84 8.95 -61.97 N | 114.32 3.34 -98.62 N | 75.87 6.57 -44.08 N | 42.82 8.33 -1.08 N | 52.36 8.60 -5.60 N |
| ST LAWRENCE___ 23600 | 4.17 -0.10 0.00 N | 14.30 -0.33 0.00 N | -28.35 0.41 0.00 N | 0.51 0.00 0.00 N | 7.56 -0.18 0.00 N | 10.50 -0.19 0.00 N | 16.38 -0.25 0.00 N | 19.10 -0.44 0.00 N | 20.51 -0.32 0.00 N | 20.68 -0.53 0.00 N | 20.92 -0.69 0.00 N | 26.99 -0.98 0.00 N | 20.75 -0.75 0.00 N | 18.55 -0.59 0.00 N | -6.50 0.16 0.00 N | 15.27 -0.39 0.00 N | 17.21 -0.76 0.00 N | 14.90 -0.58 0.00 N | 15.57 -0.66 0.00 N | 31.80 -1.11 0.00 N | 11.98 -0.38 0.00 N | 24.38 -0.84 0.00 N | 32.55 -0.86 0.00 N | 37.41 -0.75 0.00 N |
| STATION 5_MISC_HYD 23604 | 10.63 -0.14 -6.50 N | 14.82 -0.54 -0.73 N | -10.92 0.99 -16.86 N | 6.55 -0.03 -6.08 N | 11.47 -0.17 -3.91 N | 16.34 -0.32 -5.96 N | 16.12 -0.51 0.00 N | 19.18 -0.36 0.00 N | 20.25 -0.57 0.00 N | 20.87 -0.53 -0.19 N | 24.25 -0.63 -3.27 N | 30.23 -0.58 -2.85 N | 27.27 -0.51 -6.27 N | 23.71 -0.54 -5.12 N | 0.98 0.20 -7.43 N | 16.47 -0.55 -1.36 N | 22.31 -0.32 -4.65 N | 31.00 -0.19 -15.70 N | 30.57 -0.14 -14.48 N | 34.38 -0.77 -2.23 N | 22.08 -0.32 -10.04 N | 29.66 -0.29 -4.73 N | 32.93 -0.48 0.00 N | 38.20 -0.63 -0.67 N |
| STEEL___WIND 323596 | 12.80 -0.31 -8.84 N | 14.34 -1.29 -0.99 N | -3.48 2.35 -22.94 N | 8.70 -0.07 -8.27 N | 12.62 -0.43 -5.31 N | 18.01 -0.80 -8.12 N | 15.31 -1.32 0.00 N | 18.30 -1.25 0.00 N | 19.09 -1.74 0.00 N | 19.96 -1.51 -0.26 N | 24.51 -1.54 -4.44 N | 29.75 -2.09 -3.87 N | 28.28 -1.75 -8.54 N | 24.42 -1.68 -6.96 N | 4.10 0.64 -10.11 N | 15.97 -1.53 -1.85 N | 22.96 -1.35 -6.32 N | 35.70 -1.15 -21.36 N | 34.82 -1.11 -19.70 N | 33.17 -2.78 -3.04 N | 24.97 -1.05 -13.66 N | 30.11 -1.55 -6.43 N | 31.58 -1.83 0.00 N | 37.21 -1.87 -0.92 N |

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|----------------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------------|--------------------------------|------------------------------|--------------------------------|------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|-----------------------------|------------------------------|
| STEUBEN_REC_LFGE 323667 | 15.66 -0.12 -11.51 N | 15.16 -0.76 -1.29 N | 2.60 1.50 -29.86 N | 11.21 -0.05 -10.76 N | 14.49 -0.17 -6.92 N | 20.82 -0.44 -10.57 N | 15.88 -0.76 0.00 N | 18.97 -0.57 0.00 N | 19.89 -0.94 0.00 N | 21.14 -0.41 -0.34 N | 27.16 -0.23 -5.78 N | 32.77 -0.24 -5.04 N | 32.22 -0.40 -11.11 N | 27.76 -0.43 -9.06 N | 6.74 0.24 -13.16 N | 17.61 -0.45 -2.40 N | 26.17 -0.04 -8.23 N | 43.36 0.06 -27.81 N | 42.00 0.13 -25.64 N | 36.61 -0.26 -3.95 N | 30.01 -0.13 -17.79 N | 33.49 -0.10 -8.37 N | 33.42 0.01 0.00 N | 39.27 -0.08 -1.19 N |
| STONY___BROOK 24151 | 120.94 0.58 -116.09 N | 23.03 2.35 -6.05 N | 107.19 -3.87 -139.83 N | 50.98 0.08 -50.39 N | 41.13 0.99 -32.40 N | 67.03 1.45 -54.88 N | 18.94 2.31 0.00 N | 22.39 2.85 0.00 N | 23.80 2.97 0.00 N | 25.63 2.83 -1.60 N | 53.09 2.91 -28.57 N | 68.77 3.97 -36.82 N | 120.22 2.95 -95.77 N | 77.44 2.62 -55.69 N | 65.69 -0.87 -73.22 N | 35.75 2.10 -17.99 N | 82.71 2.50 -62.23 N | 153.36 2.15 -135.73 N | 150.34 2.33 -131.78 N | 99.71 4.52 -62.28 N | 112.75 1.69 -98.70 N | 72.93 3.44 -44.27 N | 38.95 4.42 -1.12 N | 48.30 4.54 -5.60 N |
| STURGEON_POOL_HYD 23609 | 59.63 0.42 -54.94 N | 22.22 1.43 -6.16 N | 111.29 -2.47 -142.52 N | 51.91 0.04 -51.36 N | 41.42 0.66 -33.02 N | 62.04 0.92 -50.43 N | 18.03 1.40 0.00 N | 21.25 1.71 0.00 N | 22.57 1.74 0.00 N | 24.73 1.90 -1.63 N | 51.30 2.09 -27.60 N | 54.83 2.80 -24.05 N | 76.82 2.15 -53.16 N | 64.64 1.96 -43.54 N | 55.93 -0.67 -63.26 N | 28.80 1.59 -11.55 N | 59.22 1.88 -39.36 N | 149.87 1.65 -132.74 N | 140.39 1.77 -122.39 N | 55.33 3.55 -18.86 N | 98.56 1.31 -84.89 N | 67.82 2.62 -39.97 N | 36.71 3.30 0.00 N | 47.62 3.72 -5.73 N |
| SYNERGY___BIOGAS 323694 | 11.57 -0.23 -7.54 N | 14.53 -0.94 -0.85 N | -7.60 1.61 -19.56 N | 7.50 -0.05 -7.05 N | 11.96 -0.31 -4.53 N | 17.04 -0.57 -6.92 N | 15.71 -0.92 0.00 N | 18.77 -0.78 0.00 N | 19.67 -1.15 0.00 N | 20.22 -1.21 -0.22 N | 24.03 -1.37 -3.79 N | 29.56 -1.71 -3.30 N | 27.35 -1.43 -7.28 N | 23.69 -1.38 -5.94 N | 2.45 0.48 -8.62 N | 16.01 -1.23 -1.57 N | 22.32 -1.06 -5.39 N | 32.85 -0.84 -18.21 N | 32.22 -0.80 -16.79 N | 33.36 -2.14 -2.59 N | 23.18 -0.82 -11.65 N | 29.70 -1.01 -5.48 N | 32.14 -1.27 0.00 N | 37.64 -1.30 -0.78 N |
| SYRACUSE___ENERGY_ST1 323597 | 9.38 -0.06 -5.17 N | 14.96 -0.26 -0.58 N | -14.80 0.56 -13.40 N | 5.32 -0.02 -4.83 N | 10.75 -0.10 -3.11 N | 15.25 -0.18 -4.74 N | 16.31 -0.32 0.00 N | 19.26 -0.28 0.00 N | 20.45 -0.37 0.00 N | 21.11 -0.25 -0.15 N | 24.01 -0.19 -2.60 N | 29.99 -0.24 -2.26 N | 26.29 -0.20 -4.99 N | 22.99 -0.21 -4.07 N | -0.66 0.09 -5.91 N | 16.52 -0.21 -1.08 N | 21.57 -0.10 -3.70 N | 27.89 -0.07 -12.48 N | 27.66 -0.08 -11.51 N | 34.37 -0.32 -1.77 N | 20.21 -0.12 -7.98 N | 28.75 -0.23 -3.76 N | 33.03 -0.38 0.00 N | 38.19 -0.51 -0.54 N |
| SYRACUSE___ENERGY_ST2 323598 | 9.38 -0.06 -5.17 N | 14.96 -0.26 -0.58 N | -14.80 0.56 -13.40 N | 5.32 -0.02 -4.83 N | 10.75 -0.10 -3.11 N | 15.25 -0.18 -4.74 N | 16.31 -0.32 0.00 N | 19.26 -0.28 0.00 N | 20.45 -0.37 0.00 N | 21.11 -0.25 -0.15 N | 24.01 -0.19 -2.60 N | 29.99 -0.24 -2.26 N | 26.29 -0.20 -4.99 N | 22.99 -0.21 -4.07 N | -0.66 0.09 -5.91 N | 16.52 -0.21 -1.08 N | 21.57 -0.10 -3.70 N | 27.89 -0.07 -12.48 N | 27.66 -0.08 -11.51 N | 34.37 -0.32 -1.77 N | 20.21 -0.12 -7.98 N | 28.75 -0.23 -3.76 N | 33.03 -0.38 0.00 N | 38.19 -0.51 -0.54 N |
| SYRACUSE___POWER 24017 | 9.33 -0.05 -5.11 N | 14.98 -0.23 -0.57 N | -15.00 0.50 -13.26 N | 5.27 -0.02 -4.78 N | 10.73 -0.09 -3.07 N | 15.22 -0.16 -4.69 N | 16.34 -0.29 0.00 N | 19.28 -0.26 0.00 N | 20.47 -0.36 0.00 N | 21.15 -0.21 -0.15 N | 24.04 -0.14 -2.57 N | 30.03 -0.18 -2.24 N | 26.29 -0.15 -4.93 N | 22.99 -0.17 -4.02 N | -0.75 0.07 -5.85 N | 16.55 -0.17 -1.07 N | 21.58 -0.05 -3.66 N | 27.81 -0.02 -12.35 N | 27.59 -0.03 -11.39 N | 34.48 -0.18 -1.76 N | 20.18 -0.08 -7.90 N | 28.80 -0.14 -3.72 N | 33.14 -0.27 0.00 N | 38.30 -0.39 -0.53 N |
| TRIGEN___CC 323695 | 120.78 0.42 -116.09 N | 22.49 1.81 -6.05 N | 108.07 -2.99 -139.83 N | 50.96 0.06 -50.39 N | 40.86 0.72 -32.40 N | 66.68 1.10 -54.88 N | 18.40 1.77 0.00 N | 21.72 2.18 0.00 N | 23.07 2.24 0.00 N | 24.92 2.11 -1.60 N | 61.02 2.24 -37.17 N | 133.15 2.98 -102.20 N | 138.37 2.21 -114.66 N | 76.81 1.98 -55.69 N | 98.84 -0.70 -106.20 N | 73.88 1.64 -56.58 N | 113.39 1.92 -93.48 N | 184.95 1.62 -167.84 N | 173.30 1.77 -155.30 N | 145.07 3.49 -108.66 N | 124.88 1.28 -111.24 N | 98.93 2.73 -70.98 N | 44.31 3.60 -7.31 N | 47.51 3.68 -5.67 N |
| UNION___PROCESSING_DRP 323587 | 10.64 -0.18 -6.55 N | 14.65 -0.72 -0.73 N | -10.43 1.35 -16.99 N | 6.59 -0.04 -6.12 N | 11.40 -0.27 -3.94 N | 16.25 -0.46 -6.01 N | 15.90 -0.73 0.00 N | 18.91 -0.63 0.00 N | 19.96 -0.87 0.00 N | 20.56 -0.84 -0.19 N | 23.96 -0.95 -3.29 N | 29.72 -1.12 -2.87 N | 26.91 -0.91 -6.32 N | 23.40 -0.89 -5.16 N | 1.14 0.31 -7.49 N | 16.22 -0.81 -1.37 N | 22.01 -0.65 -4.68 N | 30.79 -0.51 -15.82 N | 30.33 -0.49 -14.59 N | 33.76 -1.40 -2.25 N | 21.93 -0.55 -10.12 N | 29.29 -0.70 -4.76 N | 32.41 -1.00 0.00 N | 37.66 -1.18 -0.68 N |
| UPPER HUDSON___HYD 24058 | 75.36 0.34 -70.75 N | 23.62 1.04 -7.94 N | 152.79 -2.00 -183.56 N | 66.68 0.03 -66.15 N | 50.70 0.43 -42.53 N | 76.12 0.48 -64.95 N | 17.23 0.59 0.00 N | 20.38 0.84 0.00 N | 21.68 0.86 0.00 N | 24.39 1.09 -2.10 N | 58.40 1.25 -35.54 N | 60.61 1.67 -30.97 N | 91.12 1.34 -68.28 N | 75.85 1.08 -55.63 N | 73.80 -0.36 -80.82 N | 31.24 0.82 -14.76 N | 69.62 1.04 -50.59 N | 187.42 0.99 -170.95 N | 174.90 1.04 -157.62 N | 59.31 2.10 -24.30 N | 122.46 0.77 -109.33 N | 78.09 1.39 -51.48 N | 35.10 1.69 0.00 N | 47.37 1.89 -7.33 N |
| UPPER RAQUET___HYD 24056 | 4.22 -0.05 0.00 N | 14.46 -0.17 0.00 N | -28.68 0.08 0.00 N | 3.25 0.01 -2.73 N | 13.10 -0.09 -5.46 N | 16.64 -0.10 -6.04 N | 17.78 -0.22 -1.36 N | 18.98 -0.56 0.00 N | 20.43 -0.40 0.00 N | 20.66 -0.54 0.00 N | 20.96 -0.65 0.00 N | 27.22 -0.76 0.00 N | 20.89 -0.61 0.00 N | 18.69 -0.45 0.00 N | -6.58 0.08 0.00 N | 15.44 -0.22 0.00 N | 17.00 -0.98 0.00 N | 14.96 -0.53 0.00 N | 15.62 -0.61 0.00 N | 31.94 -0.97 0.00 N | 12.12 -0.24 0.00 N | 26.26 -0.64 -1.67 N | 33.03 -0.38 0.00 N | 38.08 -0.08 0.00 N |
| VISCHER___FERRY HYD 24020 | 73.82 0.35 -69.20 N | 23.54 1.15 -7.76 N | 148.59 -2.18 -179.54 N | 65.24 0.04 -64.70 N | 49.92 0.58 -41.60 N | 74.98 0.77 -63.52 N | 17.74 1.11 0.00 N | 20.94 1.40 0.00 N | 22.23 1.40 0.00 N | 24.86 1.61 -2.05 N | 58.11 1.74 -34.77 N | 60.55 2.28 -30.30 N | 90.06 1.77 -66.78 N | 75.05 1.52 -54.40 N | 71.85 -0.52 -79.03 N | 31.30 1.21 -14.43 N | 68.95 1.48 -49.49 N | 184.02 1.33 -167.21 N | 171.79 1.38 -154.17 N | 59.45 2.78 -23.76 N | 120.34 1.04 -106.94 N | 77.58 2.00 -50.35 N | 35.99 2.58 0.00 N | 48.28 2.95 -7.16 N |
| WADING RIVER_IC_1 23522 | 120.90 0.53 -116.09 N | 22.87 2.19 -6.05 N | 107.53 -3.54 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.76 2.13 0.00 N | 22.18 2.64 0.00 N | 23.58 2.75 0.00 N | 25.30 2.49 -1.60 N | 52.58 2.46 -28.51 N | 67.77 3.47 -36.33 N | 119.68 2.55 -95.62 N | 77.02 2.20 -55.69 N | 65.61 -0.71 -72.98 N | 35.07 1.71 -17.70 N | 82.00 2.02 -61.99 N | 152.71 1.72 -135.50 N | 149.70 1.85 -131.61 N | 98.30 3.44 -61.94 N | 112.25 1.28 -98.61 N | 71.89 2.60 -44.07 N | 37.84 3.36 -1.08 N | 47.22 3.46 -5.60 N |
| WADING RIVER_IC_2 23547 | 120.90 0.53 -116.09 N | 22.87 2.19 -6.05 N | 107.53 -3.54 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.76 2.13 0.00 N | 22.18 2.64 0.00 N | 23.58 2.75 0.00 N | 25.30 2.49 -1.60 N | 52.58 2.46 -28.51 N | 67.77 3.47 -36.33 N | 119.68 2.55 -95.62 N | 77.02 2.20 -55.69 N | 65.61 -0.71 -72.98 N | 35.07 1.71 -17.70 N | 82.00 2.02 -61.99 N | 152.71 1.72 -135.50 N | 149.70 1.85 -131.61 N | 98.30 3.44 -61.94 N | 112.25 1.28 -98.61 N | 71.89 2.60 -44.07 N | 37.84 3.36 -1.08 N | 47.22 3.46 -5.60 N |

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|----------------------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|---|
| | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| WADING RIVER_IC_3 23601 | 120.90 0.53 -116.09 N | 22.87 2.19 -6.05 N | 107.53 -3.54 -139.83 N | 50.97 0.08 -50.39 N | 41.05 0.91 -32.40 N | 66.91 1.33 -54.88 N | 18.76 2.13 0.00 N | 22.18 2.64 0.00 N | 23.58 2.75 0.00 N | 25.30 2.49 -1.60 N | 52.58 2.46 -28.51 N | 67.77 3.47 -36.33 N | 119.68 2.55 -95.62 N | 77.02 2.20 -55.69 N | 65.61 -0.71 -72.98 N | 35.07 1.71 -17.70 N | 82.00 2.02 -61.99 N | 152.71 1.72 -135.50 N | 149.70 1.85 -131.61 N | 98.30 3.44 -61.94 N | 112.25 1.28 -98.61 N | 71.89 2.60 -44.07 N | 37.84 3.36 -1.08 N | 47.22 3.46 -5.60 N | |
| WALDEN___HYDRO 24148 | 57.07 0.31 -52.50 N | 21.68 1.16 -5.89 N | 105.41 -2.02 -136.19 N | 49.62 0.04 -49.08 N | 39.83 0.53 -31.56 N | 59.62 0.74 -48.19 N | 17.77 1.13 0.00 N | 20.97 1.42 0.00 N | 22.26 1.43 0.00 N | 24.29 1.53 -26.37 N | 49.65 1.66 -22.98 N | 53.22 2.27 -50.72 N | 73.94 1.73 -41.40 N | 62.08 1.54 -60.14 N | 52.94 -0.54 -10.98 N | 27.94 1.30 -37.57 N | 57.07 1.53 -126.84 N | 143.66 1.33 -116.95 N | 134.61 1.43 -116.95 N | 53.77 2.83 -18.03 N | 94.52 1.04 -81.12 N | 65.54 2.12 -38.20 N | 36.09 2.68 0.00 N | 46.51 2.89 -5.45 N | |
| WARRENSBURG____ 23737 | 75.37 0.35 -70.75 N | 23.67 1.10 -7.94 N | 152.68 -2.11 -183.56 N | 66.68 0.03 -66.15 N | 50.68 0.41 -42.53 N | 76.07 0.43 -64.95 N | 17.12 0.49 0.00 N | 20.27 0.72 0.00 N | 21.57 0.75 0.00 N | 24.28 0.98 -2.10 N | 58.29 1.14 -35.54 N | 60.46 1.52 -30.97 N | 91.00 1.22 -68.28 N | 75.75 0.99 -55.63 N | 73.83 -0.32 -80.82 N | 31.14 0.73 -14.76 N | 69.50 0.93 -50.59 N | 187.33 0.90 -170.95 N | 174.81 0.95 -157.62 N | 59.16 1.95 -24.30 N | 122.40 0.71 -109.33 N | 77.98 1.28 -51.48 N | 34.94 1.54 0.00 N | 47.18 1.69 -7.33 N | |
| WATERSIDE___6 8 9 23538 | 58.54 0.38 -53.89 N | 22.12 1.44 -6.05 N | 108.65 -2.40 -139.81 N | 50.94 0.05 -50.39 N | 40.76 0.62 -32.39 N | 61.06 0.90 -49.47 N | 18.05 1.42 0.00 N | 21.30 1.76 0.00 N | 22.61 1.78 0.00 N | 24.67 1.87 -1.60 N | 50.69 2.01 -27.07 N | 54.29 2.73 -23.59 N | 75.62 2.07 -52.05 N | 63.48 1.89 -42.46 N | 31.59 -0.66 -38.90 N | -13.05 1.56 30.27 N | 24.91 1.80 -5.13 N | 93.89 1.54 -76.87 N | 120.62 1.67 -102.72 N | -3.61 3.33 39.85 N | 63.22 1.22 -49.63 N | 33.27 2.58 -5.46 N | -2.86 3.25 39.51 N | 42.08 3.43 -0.50 N | |
| WDELAWARE___HYD 323627 | 50.90 0.15 -46.48 N | 20.38 0.54 -5.21 N | 91.01 -0.81 -120.58 N | 43.97 0.01 -43.45 N | 35.90 0.22 -27.94 N | 53.67 0.31 -42.66 N | 17.09 0.45 0.00 N | 20.14 0.60 0.00 N | 21.43 0.60 0.00 N | 23.32 0.73 -1.38 N | 45.84 0.88 -23.35 N | 49.54 1.22 -20.35 N | 67.34 0.92 -44.92 N | 56.66 0.83 -36.69 N | 46.37 -0.27 -53.31 N | 26.08 0.68 -9.73 N | 52.10 0.85 -33.27 N | 128.57 0.78 -112.30 N | 120.62 0.84 -103.55 N | 50.53 1.66 -15.96 N | 84.79 0.61 -71.82 N | 60.18 1.14 -33.82 N | 34.74 1.33 0.00 N | 44.35 1.36 -4.83 N | |
| WEST BABYLON___IC 23714 | 120.88 0.51 -116.09 N | 22.82 2.15 -6.05 N | 107.54 -3.53 -139.83 N | 50.97 0.07 -50.39 N | 41.01 0.87 -32.40 N | 66.87 1.29 -54.88 N | 18.69 2.06 0.00 N | 22.09 2.55 0.00 N | 23.47 2.64 0.00 N | 25.30 2.50 -1.60 N | 54.57 2.60 -30.36 N | 81.91 3.52 -50.42 N | 123.83 2.63 -99.69 N | 77.18 2.36 -55.69 N | 72.61 -0.81 -80.08 N | 43.57 1.89 -26.02 N | 88.92 2.21 -68.73 N | 159.76 1.90 -142.37 N | 154.98 2.09 -136.66 N | 108.90 4.10 -71.88 N | 115.20 1.53 -101.31 N | 78.22 3.18 -49.82 N | 40.01 4.19 -2.41 N | 48.03 4.26 -5.62 N | |
| WEST CANADA___HYD 24049 | 2.98 0.02 1.31 N | 14.57 0.08 0.15 N | -32.33 -0.15 3.41 N | -0.72 0.00 1.23 N | 7.00 0.05 0.79 N | 9.55 0.06 1.21 N | 16.72 0.08 0.00 N | 19.67 0.12 0.00 N | 20.94 0.11 0.00 N | 21.32 0.16 0.04 N | 21.13 0.18 0.66 N | 27.62 0.23 0.58 N | 20.42 0.19 1.27 N | 18.25 0.15 1.04 N | -8.21 -0.05 1.51 N | 15.51 0.13 0.28 N | 17.21 0.18 0.94 N | 12.45 0.14 3.18 N | 13.46 0.16 2.93 N | 32.75 0.29 0.45 N | 10.43 0.10 2.03 N | 24.47 0.20 0.96 N | 33.66 0.25 0.00 N | 38.27 0.25 0.14 N | |
| WESTERN_NY_WIND 24143 | 11.66 -0.24 -7.63 N | 14.53 -0.96 -0.86 N | -7.32 1.63 -19.81 N | 7.59 -0.05 -7.14 N | 12.01 -0.32 -4.59 N | 17.12 -0.58 -7.01 N | 15.70 -0.94 0.00 N | 18.74 -0.80 0.00 N | 19.65 -1.18 0.00 N | 20.19 -1.24 -0.23 N | 24.04 -1.41 -3.84 N | 29.56 -1.76 -3.34 N | 27.41 -1.47 -7.37 N | 23.73 -1.41 -6.01 N | 2.57 0.49 -8.73 N | 16.00 -1.26 -1.59 N | 22.36 -1.09 -5.46 N | 33.06 -0.87 -18.45 N | 32.41 -0.83 -17.01 N | 33.33 -2.20 -2.62 N | 23.31 -0.84 -11.80 N | 29.74 -1.05 -5.56 N | 32.11 -1.30 0.00 N | 37.62 -1.33 -0.79 N | |
| WESTOVER___LESR 323668 | 21.59 0.00 -17.33 N | 16.38 -0.20 -1.94 N | 16.71 0.52 -44.95 N | 16.68 -0.02 -16.20 N | 18.16 0.00 -10.42 N | 26.47 -0.13 -15.91 N | 16.31 -0.32 0.00 N | 19.25 -0.29 0.00 N | 20.32 -0.51 0.00 N | 21.59 -0.13 -0.51 N | 30.37 0.05 -8.70 N | 35.64 0.08 -7.59 N | 38.22 -0.01 -16.73 N | 32.70 -0.08 -13.64 N | 13.30 0.14 -19.82 N | 19.08 -0.20 -3.62 N | 30.42 0.04 -12.40 N | 57.37 0.02 -41.87 N | 54.89 0.06 -38.60 N | 38.79 -0.07 -5.95 N | 39.11 -0.02 -26.78 N | 37.75 -0.08 -12.61 N | 33.44 0.03 0.00 N | 39.97 0.02 -1.80 N | |
| WETHRSFD_WT_PWR 323626 | 13.87 -0.28 -9.89 N | 14.49 -1.25 -1.11 N | -0.76 2.35 -25.66 N | 9.68 -0.07 -9.25 N | 13.30 -0.38 -5.94 N | 19.04 -0.73 -9.08 N | 15.38 -1.25 0.00 N | 18.35 -1.19 0.00 N | 19.21 -1.62 0.00 N | 20.20 -1.29 -0.29 N | 25.32 -1.26 -4.97 N | 30.62 -1.68 -4.33 N | 29.62 -1.43 -9.55 N | 25.56 -1.37 -7.79 N | 5.23 0.58 -11.31 N | 16.44 -1.29 -2.07 N | 24.01 -1.04 -7.07 N | 38.49 -0.89 -23.90 N | 37.41 -0.85 -22.03 N | 34.11 -2.20 -3.40 N | 26.80 -0.84 -15.28 N | 31.07 -1.35 -7.20 N | 31.84 -1.56 0.00 N | 37.56 -1.62 -1.03 N | |
| YORK___WARBASSE 23770 | 58.55 0.39 -53.89 N | 22.16 1.48 -6.05 N | 108.60 -2.45 -139.81 N | 50.94 0.05 -50.38 N | 40.78 0.64 -32.39 N | 61.09 0.93 -49.47 N | 18.09 1.46 0.00 N | 21.34 1.80 0.00 N | 22.63 1.81 0.00 N | 24.70 1.90 -1.60 N | 50.73 2.05 -27.07 N | 54.35 2.79 -23.59 N | 75.66 2.12 -52.05 N | 63.52 1.93 -42.46 N | 145.00 -0.67 -152.33 N | 193.81 1.60 -176.55 N | 191.43 1.85 -171.60 N | 359.59 1.59 -342.52 N | 234.00 1.73 -216.04 N | 287.12 3.42 -250.78 N | 230.79 1.25 -217.18 N | 201.43 2.68 -173.52 N | 194.02 3.36 -157.26 N | 67.61 3.57 -25.88 N | |