

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

06/24/2025

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|-------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| 59TH STREET_GT_1 | 63.81 | 60.66 | 58.08 | 52.76 | 51.58 | 54.86 | 58.12 | 62.13 | 66.47 | 69.86 | 79.65 | 93.80 | 125.49 | 155.48 | 189.83 | 219.33 | 301.14 | 344.30 | 350.15 | 314.25 | 262.55 | 166.56 | 103.88 | 76.82 |
| 24138 | 4.67 | 4.18 | 3.65 | 3.31 | 3.42 | 3.40 | 4.10 | 5.13 | 5.26 | 5.77 | 6.87 | 8.77 | 12.77 | 17.07 | 20.18 | 22.17 | 30.64 | 33.61 | 31.25 | 27.08 | 21.38 | 11.79 | 7.58 | 4.89 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.90 | 0.31 | 0.33 | -6.93 | -26.64 | -40.11 | -48.14 | -58.45 | -49.59 | -39.46 | -20.75 | -3.80 | 0.00 |
| 74TH STREET_GT_1 | 63.81 | 60.66 | 58.08 | 52.76 | 51.58 | 54.81 | 58.06 | 62.07 | 66.35 | 69.67 | 79.69 | 94.44 | 125.46 | 158.13 | 189.18 | 218.65 | 300.22 | 343.26 | 355.38 | 313.30 | 261.95 | 166.43 | 103.88 | 76.89 |
| 24260 | 4.67 | 4.18 | 3.65 | 3.31 | 3.42 | 3.34 | 4.05 | 5.07 | 5.14 | 5.58 | 6.65 | 8.51 | 12.43 | 16.79 | 19.53 | 21.49 | 29.72 | 32.56 | 30.73 | 26.13 | 20.78 | 11.66 | 7.58 | 4.96 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.60 | -6.93 | -26.64 | -40.11 | -48.15 | -64.20 | -49.60 | -39.47 | -20.75 | -3.80 | 0.00 |
| 74TH STREET_GT_2 | 63.81 | 60.66 | 58.08 | 52.76 | 51.58 | 54.81 | 58.06 | 62.07 | 66.35 | 69.67 | 79.69 | 94.44 | 125.46 | 158.13 | 189.18 | 218.65 | 300.22 | 343.26 | 355.38 | 313.30 | 261.95 | 166.43 | 103.88 | 76.89 |
| 24261 | 4.67 | 4.18 | 3.65 | 3.31 | 3.42 | 3.34 | 4.05 | 5.07 | 5.14 | 5.58 | 6.65 | 8.51 | 12.43 | 16.79 | 19.53 | 21.49 | 29.72 | 32.56 | 30.73 | 26.13 | 20.78 | 11.66 | 7.58 | 4.96 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.60 | -6.93 | -26.64 | -40.11 | -48.15 | -64.20 | -49.60 | -39.47 | -20.75 | -3.80 | 0.00 |
| ADK HUDSON___FALLS | 63.58 | 60.32 | 57.80 | 52.26 | 50.90 | 54.50 | 57.25 | 60.53 | 65.01 | 67.68 | 77.21 | 91.18 | 120.71 | 159.30 | 203.18 | 293.08 | 413.03 | 481.17 | 564.57 | 550.70 | 541.64 | 353.54 | 139.38 | 77.61 |
| 24011 | 4.44 | 3.84 | 3.37 | 2.82 | 2.74 | 3.04 | 3.24 | 3.53 | 3.80 | 3.59 | 4.16 | 5.24 | 7.69 | 9.85 | 11.88 | 13.13 | 17.97 | 21.00 | 23.44 | 21.62 | 18.96 | 12.33 | 8.32 | 5.68 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | -10.70 | -28.58 | -109.43 | -164.67 | -197.62 | -280.68 | -291.51 | -320.97 | -207.19 | -38.56 | 0.00 |
| ADK RESOURCE___RCVRY | 63.87 | 60.65 | 57.97 | 52.41 | 51.05 | 54.65 | 57.47 | 60.76 | 65.31 | 67.94 | 77.51 | 91.52 | 121.17 | 159.60 | 203.44 | 293.15 | 413.45 | 482.06 | 566.35 | 553.22 | 543.16 | 354.48 | 140.21 | 77.75 |
| 23798 | 4.73 | 4.18 | 3.54 | 2.97 | 2.89 | 3.19 | 3.46 | 3.76 | 4.10 | 3.85 | 4.46 | 5.58 | 8.14 | 10.41 | 12.85 | 13.99 | 19.11 | 22.58 | 25.54 | 23.52 | 20.36 | 13.40 | 8.97 | 5.82 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | -10.43 | -27.87 | -108.64 | -163.95 | -196.93 | -280.37 | -292.12 | -321.09 | -207.06 | -38.75 | 0.00 |
| ADK S GLENS___FALLS | 63.58 | 60.32 | 57.80 | 52.26 | 50.90 | 54.50 | 57.25 | 60.53 | 65.01 | 67.68 | 77.21 | 91.18 | 120.71 | 159.30 | 203.18 | 293.08 | 413.03 | 481.17 | 564.57 | 550.70 | 541.64 | 353.54 | 139.38 | 77.61 |
| 24028 | 4.44 | 3.84 | 3.37 | 2.82 | 2.74 | 3.04 | 3.24 | 3.53 | 3.80 | 3.59 | 4.16 | 5.24 | 7.69 | 9.85 | 11.88 | 13.13 | 17.97 | 21.00 | 23.44 | 21.62 | 18.96 | 12.33 | 8.32 | 5.68 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | -10.70 | -28.58 | -109.43 | -164.67 | -197.62 | -280.68 | -291.51 | -320.97 | -207.19 | -38.56 | 0.00 |
| ADK_NYS___DAM | 62.87 | 59.81 | 57.20 | 51.91 | 50.71 | 54.03 | 56.76 | 60.13 | 64.33 | 67.42 | 77.95 | 91.52 | 120.93 | 164.58 | 217.54 | 298.86 | 409.44 | 471.75 | 531.18 | 489.60 | 486.00 | 326.17 | 126.71 | 76.32 |
| 23527 | 3.73 | 3.33 | 2.77 | 2.47 | 2.55 | 2.57 | 2.75 | 3.13 | 3.12 | 3.33 | 4.89 | 5.58 | 7.91 | 10.00 | 12.53 | 13.47 | 17.74 | 19.94 | 19.00 | 16.87 | 14.72 | 9.65 | 6.20 | 4.39 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.02 | 0.00 | 0.00 | -15.83 | -42.29 | -114.86 | -161.31 | -189.25 | -251.73 | -235.16 | -269.58 | -182.50 | -28.02 | 0.00 |
| AIR_PRODUCTS___DRP | 60.50 | 57.44 | 55.41 | 50.28 | 49.02 | 52.28 | 54.77 | 57.85 | 62.13 | 64.99 | 74.11 | 87.31 | 115.51 | 117.13 | 100.05 | 113.72 | 192.06 | 233.62 | 276.59 | 325.00 | 218.95 | 141.05 | 112.50 | 73.08 |
| 24190 | 1.36 | 0.96 | 0.98 | 0.84 | 0.87 | 0.82 | 0.76 | 0.85 | 0.92 | 0.90 | 1.10 | 1.37 | 2.49 | 3.61 | 4.72 | 5.46 | 7.37 | 7.88 | 6.77 | 5.70 | 4.64 | 2.81 | 1.57 | 1.15 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 25.23 | 67.38 | 62.26 | 45.70 | 36.81 | -9.37 | -81.72 | -12.61 | -4.22 | -18.44 | 0.00 |
| AKWESSNE_115KV_BK | 57.96 | 55.85 | 53.83 | 49.00 | 47.68 | 51.00 | 53.36 | 56.20 | 60.35 | 62.94 | 71.07 | 82.76 | 108.62 | 132.78 | 153.95 | 163.53 | 221.40 | 252.58 | 250.55 | 228.78 | 194.04 | 129.06 | 89.63 | 70.28 |
| 355683 | -1.18 | -0.62 | -0.60 | -0.44 | -0.48 | -0.46 | -0.65 | -0.80 | -0.86 | -1.15 | -1.97 | -3.18 | -4.41 | -5.97 | -6.83 | -6.99 | -8.99 | -9.98 | -9.90 | -8.79 | -7.66 | -4.96 | -2.87 | -1.65 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY_1_SOLAR | 60.79 | 57.89 | 55.68 | 50.48 | 49.22 | 52.49 | 54.82 | 57.63 | 61.58 | 64.22 | 73.38 | 84.90 | 104.86 | 107.05 | 96.97 | 103.33 | 156.17 | 221.62 | 257.38 | 297.81 | 191.19 | 122.13 | 100.85 | 73.37 |
| 323833 | 1.65 | 1.41 | 1.25 | 1.04 | 1.06 | 1.03 | 0.81 | 0.63 | 0.37 | 0.13 | 0.37 | 0.52 | 1.25 | 1.94 | 2.93 | 3.41 | 4.85 | 6.04 | 6.76 | 6.42 | 5.64 | 3.75 | 2.13 | 1.44 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 1.56 | 9.41 | 33.65 | 68.68 | 70.60 | 79.07 | 46.98 | 9.82 | -53.83 | 16.15 | 15.64 | -6.22 | 0.00 |
| ALBANY_2_SOLAR | 60.74 | 57.83 | 55.68 | 50.48 | 49.17 | 52.44 | 54.77 | 57.63 | 61.58 | 64.22 | 73.38 | 84.81 | 104.75 | 107.09 | 97.09 | 103.50 | 156.36 | 221.82 | 257.33 | 297.65 | 191.37 | 122.25 | 100.85 | 73.29 |
| 323834 | 1.60 | 1.35 | 1.25 | 1.04 | 1.01 | 0.98 | 0.76 | 0.63 | 0.37 | 0.13 | 0.37 | 0.43 | 1.13 | 1.94 | 2.93 | 3.41 | 4.85 | 6.04 | 6.51 | 6.17 | 5.64 | 3.75 | 2.13 | 1.36 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 1.55 | 9.40 | 33.60 | 68.56 | 70.43 | 78.87 | 46.78 | 9.63 | -53.91 | 15.98 | 15.51 | -6.23 | 0.00 |
| ALBANY___1 | 60.50 | 57.44 | 55.41 | 50.28 | 49.02 | 52.28 | 54.77 | 57.85 | 62.13 | 64.99 | 74.11 | 87.31 | 115.51 | 117.13 | 100.05 | 113.72 | 192.06 | 233.62 | 276.59 | 325.00 | 218.95 | 141.05 | 112.50 | 73.08 |
| 23571 | 1.36 | 0.96 | 0.98 | 0.84 | 0.87 | 0.82 | 0.76 | 0.85 | 0.92 | 0.90 | 1.10 | 1.37 | 2.49 | 3.61 | 4.72 | 5.46 | 7.37 | 7.88 | 6.77 | 5.70 | 4.64 | 2.81 | 1.57 | 1.15 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 25.23 | 67.38 | 62.26 | 45.70 | 36.81 | -9.37 | -81.72 | -12.61 | -4.22 | -18.44 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|
| ALBANY___2 23572 | 60.50 1.36 0.00 | 57.44 0.96 0.00 | 55.41 0.98 0.00 | 50.28 0.84 0.00 | 49.02 0.87 0.00 | 52.28 0.82 0.00 | 54.77 0.76 0.00 | 57.85 0.85 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.11 1.10 0.02 | 87.31 1.37 0.00 | 115.51 2.49 0.00 | 117.13 3.61 25.23 | 100.05 4.72 67.38 | 113.72 5.46 62.26 | 192.06 7.37 45.70 | 233.62 7.88 36.81 | 276.59 6.77 -9.37 | 325.00 5.70 -81.72 | 218.95 4.64 -12.61 | 141.05 2.81 -4.22 | 112.50 1.57 -18.44 | 73.08 1.15 0.00 |
| ALBANY___3 23573 | 60.50 1.36 0.00 | 57.44 0.96 0.00 | 55.41 0.98 0.00 | 50.28 0.84 0.00 | 49.02 0.87 0.00 | 52.28 0.82 0.00 | 54.77 0.76 0.00 | 57.85 0.85 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.11 1.10 0.02 | 87.31 1.37 0.00 | 115.51 2.49 0.00 | 117.13 3.61 25.23 | 100.05 4.72 67.38 | 113.72 5.46 62.26 | 192.06 7.37 45.70 | 233.62 7.88 36.81 | 276.59 6.77 -9.37 | 325.00 5.70 -81.72 | 218.95 4.64 -12.61 | 141.05 2.81 -4.22 | 112.50 1.57 -18.44 | 73.08 1.15 0.00 |
| ALBANY___4 23574 | 60.50 1.36 0.00 | 57.44 0.96 0.00 | 55.41 0.98 0.00 | 50.28 0.84 0.00 | 49.02 0.87 0.00 | 52.28 0.82 0.00 | 54.77 0.76 0.00 | 57.85 0.85 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.11 1.10 0.02 | 87.31 1.37 0.00 | 115.51 2.49 0.00 | 117.13 3.61 25.23 | 100.05 4.72 67.38 | 113.72 5.46 62.26 | 192.06 7.37 45.70 | 233.62 7.88 36.81 | 276.59 6.77 -9.37 | 325.00 5.70 -81.72 | 218.95 4.64 -12.61 | 141.05 2.81 -4.22 | 112.50 1.57 -18.44 | 73.08 1.15 0.00 |
| ALBANY___LFGE 323615 | 61.27 2.13 0.00 | 58.34 1.86 0.00 | 56.06 1.63 0.00 | 50.83 1.38 0.00 | 49.56 1.40 0.00 | 52.90 1.44 0.00 | 55.41 1.40 0.00 | 58.59 1.59 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.23 2.19 0.00 | 88.60 2.67 0.00 | 117.32 4.29 0.00 | 146.87 5.83 -2.29 | 176.33 7.49 -6.12 | 236.25 8.18 -57.54 | 336.16 10.83 -94.94 | 391.46 11.83 -117.08 | 447.00 10.94 -175.62 | 436.07 9.26 -189.24 | 399.42 7.86 -189.86 | 264.36 4.96 -125.39 | 121.08 3.05 -25.54 | 73.87 1.94 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 58.14 -1.01 0.00 | 56.02 -0.45 0.00 | 53.99 -0.44 0.00 | 49.15 -0.30 0.00 | 47.82 -0.34 0.00 | 51.20 -0.26 0.00 | 53.52 -0.49 0.00 | 56.37 -0.63 0.00 | 60.48 -0.73 0.00 | 63.00 -1.09 0.00 | 71.14 -1.90 0.00 | 82.76 -3.18 0.00 | 108.39 -4.63 0.00 | 131.53 -7.22 0.01 | 152.56 -8.30 1.86 | 162.00 -8.53 0.00 | 219.56 -10.83 0.00 | 250.74 -11.81 0.00 | 248.72 -11.72 0.00 | 227.12 -10.45 0.00 | 192.63 -9.08 0.00 | 128.66 -5.36 0.00 | 89.81 -2.68 0.00 | 70.49 -1.44 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 58.14 -1.01 0.00 | 56.02 -0.45 0.00 | 53.99 -0.44 0.00 | 49.15 -0.30 0.00 | 47.82 -0.34 0.00 | 51.20 -0.26 0.00 | 53.52 -0.49 0.00 | 56.37 -0.63 0.00 | 60.48 -0.73 0.00 | 63.00 -1.09 0.00 | 71.14 -1.90 0.00 | 82.76 -3.18 0.00 | 108.39 -4.63 0.00 | 131.53 -7.22 0.01 | 152.56 -8.30 1.86 | 162.00 -8.53 0.00 | 219.56 -10.83 0.00 | 250.74 -11.81 0.00 | 248.72 -11.72 0.00 | 227.12 -10.45 0.00 | 192.63 -9.08 0.00 | 128.66 -5.36 0.00 | 89.81 -2.68 0.00 | 70.49 -1.44 0.00 |
| ALCOA___DSASP 323711 | 58.13 -1.01 0.00 | 55.91 -0.56 0.00 | 53.99 -0.44 0.00 | 49.15 -0.29 0.00 | 47.82 -0.33 0.00 | 51.20 -0.26 0.00 | 53.52 -0.49 0.00 | 56.37 -0.63 0.00 | 60.48 -0.73 0.00 | 63.00 -1.09 0.00 | 71.14 -1.90 0.00 | 82.76 -3.18 0.00 | 108.50 -4.52 0.00 | 132.09 -6.66 0.01 | 152.57 -8.29 1.86 | 162.00 -8.52 0.00 | 219.56 -10.82 0.00 | 250.74 -11.81 0.00 | 248.73 -11.72 0.00 | 227.12 -10.45 0.00 | 192.63 -9.07 0.00 | 128.12 -5.89 0.00 | 89.72 -2.77 0.00 | 71.07 -0.86 0.00 |
| ALLEGHENY___COGEN 23514 | 60.79 1.65 0.00 | 57.60 1.13 0.00 | 54.97 0.54 0.00 | 50.14 0.69 0.00 | 48.50 0.34 0.00 | 51.98 0.51 0.00 | 55.25 1.24 0.00 | 57.63 0.63 0.00 | 61.27 0.06 0.00 | 63.84 -0.26 0.00 | 73.04 0.00 0.00 | 86.62 0.68 0.00 | 105.45 -7.57 0.00 | 127.38 -11.37 0.00 | 147.26 -15.46 0.00 | 158.78 -14.67 -2.92 | 214.77 -20.73 -5.12 | 248.48 -20.48 -6.41 | 254.10 -15.11 -8.77 | 235.79 -6.90 -5.12 | 199.08 -2.63 0.00 | 134.29 0.27 0.00 | 97.86 5.36 0.00 | 75.45 3.52 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 60.91 1.77 0.00 | 57.89 1.41 0.00 | 55.84 1.42 0.00 | 50.73 1.29 0.00 | 49.46 1.30 0.00 | 52.75 1.29 0.00 | 55.25 1.24 0.00 | 58.42 1.42 0.00 | 62.62 1.41 0.00 | 65.57 1.47 0.00 | 75.00 1.97 0.01 | 88.52 2.49 -0.09 | 117.30 3.73 -0.54 | 130.76 5.13 13.12 | 132.63 6.18 36.27 | 157.17 6.65 20.01 | 239.56 8.99 -0.19 | 281.97 9.98 -9.44 | 319.45 9.64 -49.37 | 334.61 8.55 -88.49 | 253.30 7.26 -44.33 | 163.95 4.56 -25.38 | 111.09 2.87 -15.73 | 73.95 2.01 0.00 |
| ALTONA_WT_PWR 323606 | 56.66 -2.48 0.00 | 54.61 -1.86 0.00 | 52.85 -1.58 0.00 | 48.16 -1.29 0.00 | 46.86 -1.30 0.00 | 50.18 -1.28 0.00 | 52.55 -1.46 0.00 | 55.58 -1.42 0.00 | 59.81 -1.41 0.00 | 62.30 -1.79 0.00 | 70.19 -2.85 0.00 | 81.64 -4.29 0.00 | 107.14 -5.88 0.00 | 131.52 -7.22 0.01 | 152.65 -8.13 1.94 | 162.34 -8.18 0.00 | 220.26 -10.13 0.00 | 251.27 -11.28 0.00 | 249.75 -10.69 0.00 | 228.30 -9.27 0.00 | 193.83 -7.87 0.00 | 128.79 -5.23 0.00 | 89.53 -2.96 0.00 | 70.85 -1.08 0.00 |
| AMERICAN_REF_FUEL 24010 | 58.73 -0.41 0.00 | 56.02 -0.45 0.00 | 52.74 -1.69 0.00 | 48.31 -1.14 0.00 | 46.47 -1.69 0.00 | 50.02 -1.44 0.00 | 53.09 -0.92 0.00 | 54.89 -2.11 0.00 | 59.31 -1.90 0.00 | 62.49 -1.60 0.00 | 71.94 -1.09 0.00 | 86.02 0.09 0.00 | 110.20 -2.82 0.00 | 132.51 -6.24 0.00 | 153.12 -9.60 0.00 | 160.83 -12.28 -2.58 | 213.94 -20.96 -4.52 | 245.63 -22.58 -5.66 | 246.31 -21.88 -7.75 | 225.45 -16.64 -4.52 | 190.81 -10.90 0.00 | 129.86 -4.16 0.00 | 90.73 -1.76 0.00 | 71.43 -0.50 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 59.44 0.30 0.00 | 56.36 -0.11 0.00 | 53.61 -0.81 0.00 | 49.05 -0.40 0.00 | 47.44 -0.72 0.00 | 50.74 -0.72 0.00 | 54.55 0.54 0.00 | 57.06 0.06 0.00 | 62.07 0.86 0.00 | 65.37 1.28 0.00 | 75.52 2.48 0.00 | 90.23 4.30 0.00 | 116.75 3.72 0.00 | 140.42 1.67 0.00 | 162.23 -0.49 0.00 | 171.78 -1.71 -2.96 | 229.13 -6.45 -5.19 | 263.02 -6.03 -6.50 | 265.16 -4.18 -8.89 | 242.76 0.00 -5.19 | 204.53 2.82 0.00 | 138.43 4.42 0.00 | 96.38 3.88 0.00 | 74.88 2.95 0.00 |
| ARTHUR KILL_GT_1 23520 | 54.25 4.08 8.97 | 53.81 3.61 6.28 | 53.92 3.05 3.56 | 52.66 3.21 0.00 | 51.63 3.47 -0.01 | 53.66 2.68 0.48 | 53.82 3.40 3.59 | 53.93 4.50 7.58 | 55.11 4.53 10.63 | 55.49 4.87 13.47 | 64.82 5.19 13.41 | 76.81 6.79 15.92 | 110.75 10.17 12.45 | 137.08 14.29 15.96 | 186.90 17.25 -6.93 | 216.61 19.44 -26.64 | 297.47 26.96 -40.12 | 340.12 29.41 -48.16 | 379.68 26.83 -92.41 | 310.70 23.52 -49.61 | 247.35 18.15 -27.49 | 151.79 9.78 -7.99 | 86.68 6.20 12.01 | 62.63 3.81 13.12 |
| ARTHUR_KILL_2 23512 | 53.95 3.79 8.97 | 53.70 3.50 6.28 | 53.70 2.83 3.56 | 52.46 3.02 0.00 | 51.44 3.28 -0.01 | 53.50 2.52 0.48 | 53.60 3.19 3.59 | 53.70 4.28 7.58 | 54.86 4.28 10.63 | 55.17 4.55 13.47 | 65.11 5.48 13.41 | 77.07 7.05 15.92 | 111.54 10.96 12.45 | 137.78 14.99 15.96 | 186.41 16.76 -6.93 | 215.23 18.07 -26.64 | 296.08 25.57 -40.12 | 338.53 27.82 -48.16 | 379.94 27.09 -92.41 | 309.02 21.84 -49.61 | 246.14 16.95 -27.49 | 150.99 8.98 -7.99 | 86.12 5.64 12.01 | 61.83 3.02 13.12 |
| ARTHUR_KILL_3 23513 | 54.00 3.84 8.98 | 53.75 3.56 6.29 | 53.80 2.94 3.57 | 52.05 2.62 0.01 | 50.95 2.79 0.00 | 53.65 2.67 0.48 | 53.65 3.24 3.60 | 53.71 4.28 7.57 | 54.69 4.10 10.62 | 55.11 4.48 13.47 | 64.66 5.40 13.79 | 75.59 6.96 17.30 | 110.73 10.62 12.92 | 132.58 14.29 20.47 | 186.73 17.08 -6.93 | 216.43 19.26 -26.64 | 296.30 25.80 -40.11 | 338.80 28.11 -48.14 | 365.68 26.29 -78.94 | 309.49 22.33 -49.60 | 246.53 17.35 -27.48 | 151.38 9.38 -7.98 | 86.48 6.01 12.02 | 62.19 3.38 13.13 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|------------------------|
| ARTHUR_KILL_COGEN 323718 | 54.24 4.08 8.97 | 53.92 3.73 6.28 | 53.92 3.05 3.56 | 52.66 3.21 0.00 | 51.64 3.47 -0.01 | 53.71 2.73 0.48 | 53.82 3.40 3.59 | 53.92 4.50 7.58 | 55.11 4.53 10.63 | 55.49 4.87 13.47 | 65.48 5.85 13.41 | 77.49 7.47 15.92 | 112.11 11.53 12.45 | 138.46 15.67 15.96 | 187.22 17.58 -6.93 | 216.26 19.09 -26.64 | 297.45 26.94 -40.12 | 340.11 29.40 -48.16 | 381.76 28.91 -92.41 | 310.70 23.52 -49.61 | 247.55 18.35 -27.49 | 151.92 9.92 -7.99 | 86.68 6.20 12.01 | 62.27 3.45 13.12 |
| ASHOKAN____ 23654 | 64.05 4.91 0.00 | 60.71 4.24 0.00 | 58.13 3.70 0.00 | 52.71 3.26 0.00 | 51.38 3.23 0.00 | 54.86 3.40 0.00 | 57.69 3.67 0.00 | 60.99 3.99 0.00 | 65.31 4.10 0.00 | 68.07 3.98 0.00 | 79.30 6.28 0.02 | 92.39 7.90 1.45 | 115.56 11.30 8.77 | 127.45 15.26 26.56 | 129.74 18.22 51.19 | 141.06 20.45 49.92 | 201.49 29.03 57.92 | 268.25 33.62 27.92 | 295.56 33.08 -2.03 | 311.09 27.55 -45.97 | 216.34 24.40 9.76 | 137.30 15.01 11.72 | 102.15 6.29 -3.37 | 77.83 5.90 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 63.41 4.26 -0.01 | 60.55 4.07 -0.01 | 57.81 3.38 -0.01 | 52.57 3.12 -0.01 | 51.44 3.28 -0.01 | 54.55 3.09 0.00 | 57.73 3.72 0.00 | 61.84 4.84 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.65 5.85 0.23 | 92.67 7.56 0.83 | 124.16 11.41 0.28 | 154.65 15.26 -0.64 | 188.95 17.90 -8.33 | 216.95 19.77 -26.65 | 297.42 26.48 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 312.91 22.58 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.39 3.45 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 63.41 4.26 -0.01 | 60.55 4.07 -0.01 | 57.81 3.38 -0.01 | 52.57 3.12 -0.01 | 51.44 3.28 -0.01 | 54.55 3.09 0.00 | 57.73 3.72 0.00 | 61.84 4.84 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.65 5.85 0.23 | 92.67 7.56 0.83 | 124.16 11.41 0.28 | 154.65 15.26 -0.64 | 188.95 17.90 -8.33 | 216.95 19.77 -26.65 | 297.42 26.48 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 312.91 22.58 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.39 3.45 -0.01 |
| ASTORIA_GT2_1 24094 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT2_2 24095 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT2_3 24096 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT2_4 24097 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT3_1 24098 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT3_2 24099 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT3_3 24100 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT3_4 24101 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT4_1 24102 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT4_2 24103 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT4_3 24104 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |

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|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|------------------------|
| ASTORIA_GT4_4 24105 | 63.41 4.26 -0.01 | 60.44 3.95 -0.01 | 57.87 3.43 -0.01 | 52.62 3.16 -0.01 | 51.49 3.32 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.72 5.92 0.23 | 92.67 7.56 0.83 | 123.94 11.19 0.28 | 154.65 15.26 -0.64 | 188.79 17.74 -8.33 | 216.10 18.93 -26.65 | 297.67 26.72 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.38 9.65 -21.71 | 102.41 6.10 -3.81 | 75.82 3.88 -0.01 |
| ASTORIA_GT_1 23523 | 63.58 4.44 -0.01 | 60.55 4.07 -0.01 | 57.98 3.54 -0.01 | 52.71 3.26 -0.01 | 51.58 3.42 -0.01 | 54.70 3.24 0.00 | 57.90 3.89 0.00 | 61.96 4.96 0.00 | 66.11 4.90 0.00 | 69.35 5.26 0.00 | 78.94 6.14 0.23 | 92.93 7.82 0.83 | 124.28 11.53 0.28 | 155.21 15.82 -0.64 | 189.28 18.22 -8.33 | 216.78 19.61 -26.65 | 298.59 27.65 -40.55 | 340.38 29.67 -48.16 | 349.95 28.13 -61.38 | 313.85 23.52 -52.76 | 262.09 18.56 -41.83 | 165.91 10.19 -21.71 | 102.78 6.47 -3.81 | 76.04 4.10 -0.01 |
| ASTORIA_GT_10 24110 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.45 2.98 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.70 5.48 1.82 | 86.52 7.13 6.55 | 121.40 10.62 2.24 | 134.91 14.85 18.69 | 186.74 17.09 -6.93 | 216.10 18.93 -26.64 | 296.77 26.26 -40.11 | 339.06 28.36 -48.15 | 316.50 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 75.31 3.74 0.37 |
| ASTORIA_GT_11 24225 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.45 2.98 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.70 5.48 1.82 | 86.52 7.13 6.55 | 121.40 10.62 2.24 | 134.91 14.85 18.69 | 186.74 17.09 -6.93 | 216.10 18.93 -26.64 | 296.77 26.26 -40.11 | 339.06 28.36 -48.15 | 316.50 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 75.31 3.74 0.37 |
| ASTORIA_GT_12 24226 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.45 2.98 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.70 5.48 1.82 | 86.52 7.13 6.55 | 121.40 10.62 2.24 | 134.91 14.85 18.69 | 186.74 17.09 -6.93 | 216.10 18.93 -26.64 | 296.77 26.26 -40.11 | 339.06 28.36 -48.15 | 316.50 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 75.31 3.74 0.37 |
| ASTORIA_GT_13 24227 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.45 2.98 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.70 5.48 1.82 | 86.52 7.13 6.55 | 121.40 10.62 2.24 | 134.91 14.85 18.69 | 186.74 17.09 -6.93 | 216.10 18.93 -26.64 | 296.77 26.26 -40.11 | 339.06 28.36 -48.15 | 316.50 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 75.31 3.74 0.37 |
| ASTORIA_GT_5 24106 | 63.58 4.44 -0.01 | 60.55 4.07 -0.01 | 57.98 3.54 -0.01 | 52.71 3.26 -0.01 | 51.58 3.42 -0.01 | 54.70 3.24 0.00 | 57.90 3.89 0.00 | 61.96 4.96 0.00 | 66.11 4.90 0.00 | 69.35 5.26 0.00 | 78.94 6.14 0.23 | 92.93 7.82 0.83 | 124.28 11.53 0.28 | 155.21 15.82 -0.64 | 189.28 18.22 -8.33 | 216.78 19.61 -26.65 | 298.59 27.65 -40.55 | 340.38 29.67 -48.16 | 349.95 28.13 -61.38 | 313.85 23.52 -52.76 | 262.09 18.56 -41.83 | 165.91 10.19 -21.71 | 102.78 6.47 -3.81 | 76.04 4.10 -0.01 |
| ASTORIA_GT_7 24107 | 63.58 4.44 -0.01 | 60.55 4.07 -0.01 | 57.98 3.54 -0.01 | 52.71 3.26 -0.01 | 51.58 3.42 -0.01 | 54.70 3.24 0.00 | 57.90 3.89 0.00 | 61.96 4.96 0.00 | 66.11 4.90 0.00 | 69.35 5.26 0.00 | 78.94 6.14 0.23 | 92.93 7.82 0.83 | 124.28 11.53 0.28 | 155.21 15.82 -0.64 | 189.28 18.22 -8.33 | 216.78 19.61 -26.65 | 298.59 27.65 -40.55 | 340.38 29.67 -48.16 | 349.95 28.13 -61.38 | 313.85 23.52 -52.76 | 262.09 18.56 -41.83 | 165.91 10.19 -21.71 | 102.78 6.47 -3.81 | 76.04 4.10 -0.01 |
| ASTORIA_GT_8 24108 | 63.58 4.44 -0.01 | 60.55 4.07 -0.01 | 57.98 3.54 -0.01 | 52.71 3.26 -0.01 | 51.58 3.42 -0.01 | 54.70 3.24 0.00 | 57.90 3.89 0.00 | 61.96 4.96 0.00 | 66.11 4.90 0.00 | 69.35 5.26 0.00 | 78.94 6.14 0.23 | 92.93 7.82 0.83 | 124.28 11.53 0.28 | 155.21 15.82 -0.64 | 189.28 18.22 -8.33 | 216.78 19.61 -26.65 | 298.59 27.65 -40.55 | 340.38 29.67 -48.16 | 349.95 28.13 -61.38 | 313.85 23.52 -52.76 | 262.09 18.56 -41.83 | 165.91 10.19 -21.71 | 102.78 6.47 -3.81 | 76.04 4.10 -0.01 |
| ASTORIA___2 24149 | 63.41 4.26 -0.01 | 60.55 4.07 -0.01 | 57.87 3.43 -0.01 | 52.62 3.17 -0.01 | 51.49 3.32 -0.01 | 54.60 3.14 0.00 | 57.79 3.78 0.00 | 61.84 4.84 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.65 5.85 0.23 | 92.75 7.65 0.83 | 124.16 11.41 0.28 | 154.79 15.40 -0.64 | 188.95 17.90 -8.33 | 217.12 19.94 -26.65 | 297.65 26.71 -40.55 | 339.33 28.62 -48.16 | 348.91 27.09 -61.38 | 313.14 22.81 -52.76 | 261.29 17.75 -41.83 | 165.51 9.78 -21.71 | 102.41 6.10 -3.81 | 75.39 3.45 -0.01 |
| ASTORIA___3 23516 | 63.28 4.14 0.00 | 60.43 3.95 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.50 3.04 0.00 | 57.69 3.67 0.00 | 61.73 4.73 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.77 5.55 1.82 | 86.60 7.22 6.55 | 121.74 10.96 2.24 | 134.92 14.85 18.69 | 186.89 17.24 -6.93 | 216.94 19.77 -26.64 | 296.76 26.25 -40.11 | 339.07 28.36 -48.15 | 316.51 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 74.95 3.38 0.37 |
| ASTORIA___4 23517 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.45 2.98 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.70 5.48 1.82 | 86.52 7.13 6.55 | 121.40 10.62 2.24 | 134.91 14.85 18.69 | 186.74 17.09 -6.93 | 216.10 18.93 -26.64 | 296.77 26.26 -40.11 | 339.06 28.36 -48.15 | 316.50 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 75.31 3.74 0.37 |
| ASTORIA___5 23518 | 63.28 4.14 0.00 | 60.43 3.95 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.50 3.04 0.00 | 57.69 3.67 0.00 | 61.73 4.73 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.77 5.55 1.82 | 86.60 7.22 6.55 | 121.74 10.96 2.24 | 134.92 14.85 18.69 | 186.89 17.24 -6.93 | 216.94 19.77 -26.64 | 296.76 26.25 -40.11 | 339.07 28.36 -48.15 | 316.51 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 74.95 3.38 0.37 |
| AST_ENERGY_2_CC3 323677 | 63.34 4.20 0.00 | 60.37 3.89 0.00 | 57.69 3.27 0.00 | 52.36 2.92 0.00 | 51.24 3.08 0.00 | 54.44 2.98 0.00 | 57.57 3.56 0.00 | 61.61 4.61 0.00 | 65.74 4.53 0.00 | 69.03 4.94 0.00 | 79.03 5.99 0.00 | 93.58 7.65 0.00 | 124.44 11.41 0.00 | 156.61 15.26 -2.60 | 187.71 18.06 -6.93 | 217.28 20.11 -26.64 | 297.67 27.17 -40.11 | 340.10 29.40 -48.15 | 352.52 27.88 -64.20 | 310.92 23.75 -49.60 | 259.72 18.54 -39.47 | 165.08 10.32 -20.75 | 102.86 6.57 -3.80 | 75.74 3.81 0.00 |
| AST_ENERGY_2_CC4 323678 | 63.34 4.20 0.00 | 60.37 3.89 0.00 | 57.69 3.27 0.00 | 52.36 2.92 0.00 | 51.24 3.08 0.00 | 54.44 2.98 0.00 | 57.57 3.56 0.00 | 61.61 4.61 0.00 | 65.74 4.53 0.00 | 69.03 4.94 0.00 | 79.03 5.99 0.00 | 93.58 7.65 0.00 | 124.44 11.41 0.00 | 156.61 15.26 -2.60 | 187.71 18.06 -6.93 | 217.28 20.11 -26.64 | 297.67 27.17 -40.11 | 340.10 29.40 -48.15 | 352.52 27.88 -64.20 | 310.92 23.75 -49.60 | 259.72 18.54 -39.47 | 165.08 10.32 -20.75 | 102.86 6.57 -3.80 | 75.74 3.81 0.00 |

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|---------------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|---------------------------|--------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|
| ATHENS_STG_1 23668 | 61.27 2.13 0.00 | 58.34 1.86 0.00 | 56.22 1.79 0.00 | 51.07 1.63 0.00 | 49.80 1.64 0.00 | 53.11 1.65 0.00 | 55.69 1.68 0.00 | 59.05 2.05 0.00 | 63.23 2.02 0.00 | 66.27 2.18 0.00 | 76.03 3.00 0.00 | 89.71 3.78 0.00 | 118.67 5.65 0.00 | 146.38 7.63 0.00 | 171.82 9.11 0.00 | 195.98 9.54 -15.91 | 271.13 12.89 -27.85 | 311.60 14.17 -34.88 | 323.93 13.53 -49.95 | 288.31 11.64 -39.10 | 231.48 9.48 -20.29 | 152.13 5.76 -12.35 | 99.07 3.70 -2.87 | 74.09 2.16 0.00 |
| ATHENS_STG_2 23670 | 61.27 2.13 0.00 | 58.34 1.86 0.00 | 56.22 1.79 0.00 | 51.07 1.63 0.00 | 49.80 1.64 0.00 | 53.11 1.65 0.00 | 55.69 1.68 0.00 | 59.05 2.05 0.00 | 63.23 2.02 0.00 | 66.27 2.18 0.00 | 76.03 3.00 0.00 | 89.71 3.78 0.00 | 118.67 5.65 0.00 | 146.38 7.63 0.00 | 171.82 9.11 0.00 | 195.98 9.54 -15.91 | 271.13 12.89 -27.85 | 311.60 14.17 -34.88 | 323.93 13.53 -49.95 | 288.31 11.64 -39.10 | 231.48 9.48 -20.29 | 152.13 5.76 -12.35 | 99.07 3.70 -2.87 | 74.09 2.16 0.00 |
| ATHENS_STG_3 23677 | 61.27 2.13 0.00 | 58.34 1.86 0.00 | 56.22 1.79 0.00 | 51.07 1.63 0.00 | 49.80 1.64 0.00 | 53.11 1.65 0.00 | 55.69 1.68 0.00 | 59.05 2.05 0.00 | 63.23 2.02 0.00 | 66.27 2.18 0.00 | 76.03 3.00 0.00 | 89.71 3.78 0.00 | 118.67 5.65 0.00 | 146.38 7.63 0.00 | 171.82 9.11 0.00 | 195.98 9.54 -15.91 | 271.13 12.89 -27.85 | 311.60 14.17 -34.88 | 323.93 13.53 -49.95 | 288.31 11.64 -39.10 | 231.48 9.48 -20.29 | 152.13 5.76 -12.35 | 99.07 3.70 -2.87 | 74.09 2.16 0.00 |
| AUBURN____LFGE 323710 | 59.97 0.83 0.00 | 56.98 0.51 0.00 | 54.70 0.27 0.00 | 49.74 0.30 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.55 0.54 0.00 | 57.74 0.74 0.00 | 62.19 0.98 0.00 | 65.31 1.22 0.00 | 75.01 1.97 0.00 | 88.69 2.75 0.00 | 115.96 2.94 0.00 | 141.80 3.05 0.00 | 166.30 3.58 0.00 | 176.21 3.58 -2.11 | 238.22 4.15 -3.69 | 272.42 5.25 -4.62 | 272.75 5.99 -6.32 | 247.67 6.41 -3.69 | 207.76 6.05 0.00 | 138.57 4.56 0.00 | 95.55 3.05 0.00 | 74.16 2.23 0.00 |
| BABYLON_RES_REC 323704 | 63.46 4.31 0.00 | 60.94 4.46 0.00 | 57.69 3.27 0.00 | 52.16 2.72 0.00 | 50.90 2.74 0.00 | 54.29 2.83 0.00 | 57.20 3.19 0.00 | 61.28 4.28 0.00 | 64.82 3.61 0.00 | 67.08 3.01 0.03 | 77.65 4.60 -0.01 | 93.24 7.30 0.00 | 125.51 11.30 -1.18 | 154.83 15.13 -0.95 | 187.07 18.38 -5.97 | 227.08 20.11 -36.44 | 305.96 27.17 -48.40 | 352.18 30.44 -59.19 | 349.42 28.91 -60.07 | 304.57 24.48 -42.53 | 253.02 17.14 -34.19 | 164.02 11.38 -18.61 | 104.24 6.75 -5.00 | 79.77 4.32 -3.52 |
| BALL_HILL_WT_PWR 323825 | 59.61 0.47 0.00 | 56.70 0.23 0.00 | 53.89 -0.54 0.00 | 49.30 -0.15 0.00 | 47.58 -0.58 0.00 | 50.85 -0.62 0.00 | 54.44 0.43 0.00 | 56.72 -0.28 0.00 | 61.46 0.25 0.00 | 64.67 0.58 0.00 | 74.64 1.60 0.00 | 89.28 3.35 0.00 | 114.94 1.92 0.00 | 138.34 -0.42 0.00 | 160.11 -2.61 0.00 | 169.29 -4.09 -2.87 | 225.95 -9.46 -5.01 | 259.13 -9.71 -6.28 | 260.45 -8.59 -8.60 | 238.32 -4.27 -5.01 | 200.70 -1.00 0.00 | 135.89 1.88 0.00 | 94.71 2.22 0.00 | 73.73 1.80 0.00 |
| BARON_WINDS____WT_PWR 323822 | 59.67 0.53 0.00 | 56.59 0.11 0.00 | 54.05 -0.38 0.00 | 49.35 -0.10 0.00 | 47.87 -0.29 0.00 | 51.20 -0.26 0.00 | 54.44 0.43 0.00 | 57.06 0.06 0.00 | 61.27 0.06 0.00 | 64.35 0.26 0.00 | 74.06 1.02 0.00 | 88.09 2.15 0.00 | 113.82 0.80 0.00 | 138.06 -0.69 0.00 | 160.60 -2.12 0.00 | 171.09 -3.25 -3.81 | 230.37 -6.69 -6.68 | 264.61 -6.30 -8.36 | 268.49 -4.18 -12.23 | 248.46 0.24 -10.65 | 211.10 2.22 -7.17 | 141.73 3.35 -4.36 | 96.56 3.05 -1.01 | 73.94 2.01 0.00 |
| BARRETT_IC_1 23704 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_10 23701 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.70 7.74 -0.02 | 128.55 11.19 -4.33 | 107.57 14.85 46.03 | 102.77 17.58 77.53 | 250.76 19.43 -60.80 | 301.67 26.03 -45.26 | 374.16 28.88 -82.72 | 194.80 27.59 93.24 | 102.77 23.75 158.56 | 102.77 17.14 116.07 | 102.77 11.12 42.36 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_11 23702 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.70 7.74 -0.02 | 128.55 11.19 -4.33 | 107.57 14.85 46.03 | 102.77 17.58 77.53 | 250.76 19.43 -60.80 | 301.67 26.03 -45.26 | 374.16 28.88 -82.72 | 194.80 27.59 93.24 | 102.77 23.75 158.56 | 102.77 17.14 116.07 | 102.77 11.12 42.36 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_12 23703 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.70 7.74 -0.02 | 128.55 11.19 -4.33 | 107.57 14.85 46.03 | 102.77 17.58 77.53 | 250.76 19.43 -60.80 | 301.67 26.03 -45.26 | 374.16 28.88 -82.72 | 194.80 27.59 93.24 | 102.77 23.75 158.56 | 102.77 17.14 116.07 | 102.77 11.12 42.36 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_2 23705 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_3 23706 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_4 23707 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_5 23708 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |

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| BARRETT_IC_6 23709 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_7 23710 | 63.58 4.44 0.00 | 60.66 4.18 0.00 | 57.70 3.27 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.39 2.93 0.00 | 57.41 3.40 0.00 | 61.05 4.05 0.00 | 64.82 3.61 0.00 | 67.61 3.53 0.01 | 78.08 5.04 0.00 | 93.85 7.82 -0.09 | 138.48 11.30 -14.15 | 160.33 14.85 -6.73 | 218.98 17.41 -38.86 | 326.25 18.93 -136.79 | 408.56 26.03 -152.14 | 450.15 28.88 -158.72 | 382.73 27.61 -94.68 | 328.63 23.76 -67.30 | 271.95 17.55 -52.69 | 171.12 10.99 -26.12 | 117.93 7.86 -17.57 | 117.73 5.39 -40.41 |
| BARRETT_IC_8 23711 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT_IC_9 23700 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.70 7.74 -0.02 | 128.55 11.19 -4.33 | 107.57 14.85 46.03 | 102.77 17.58 77.53 | 250.76 19.43 -60.80 | 301.67 26.03 -45.26 | 374.16 28.88 -82.72 | 194.80 27.59 93.24 | 102.77 23.75 158.56 | 102.77 17.14 116.07 | 102.77 11.12 42.36 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT___1 23545 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.76 7.74 -0.09 | 138.37 11.19 -14.15 | 160.34 14.85 -6.74 | 219.15 17.58 -38.86 | 326.75 19.43 -136.79 | 408.55 26.03 -152.14 | 450.15 28.88 -158.72 | 382.72 27.59 -94.68 | 328.62 23.75 -67.30 | 271.53 17.14 -52.69 | 171.26 11.12 -26.12 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BARRETT___2 23546 | 63.58 4.44 0.00 | 60.94 4.46 0.00 | 57.81 3.38 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.50 3.04 0.00 | 57.42 3.40 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.61 3.52 0.01 | 78.15 5.11 0.00 | 93.70 7.74 -0.02 | 128.55 11.19 -4.33 | 107.57 14.85 46.03 | 102.77 17.58 77.53 | 250.76 19.43 -60.80 | 301.67 26.03 -45.26 | 374.16 28.88 -82.72 | 194.80 27.59 93.24 | 102.77 23.75 158.56 | 102.77 17.14 116.07 | 102.77 11.12 42.36 | 117.37 7.31 -17.57 | 117.37 5.03 -40.41 |
| BATAVIA__115KV_TB1 55881 | 60.91 1.77 0.00 | 57.94 1.47 0.00 | 54.81 0.38 0.00 | 50.09 0.64 0.00 | 48.49 0.34 0.00 | 51.92 0.46 0.00 | 55.09 1.08 0.00 | 57.51 0.51 0.00 | 61.95 0.73 0.00 | 65.44 1.35 0.00 | 75.30 2.26 0.00 | 89.89 3.95 0.00 | 114.38 1.36 0.00 | 137.92 -0.83 0.00 | 159.95 -2.77 0.00 | 169.48 -3.41 -2.37 | 224.62 -9.91 -4.14 | 258.02 -9.71 -5.19 | 259.47 -8.07 -7.10 | 237.20 -4.51 -4.14 | 200.49 -1.21 0.00 | 135.76 1.74 0.00 | 95.64 3.14 0.00 | 75.89 3.96 0.00 |
| BAYONEEC___CTG1 323682 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG10 323750 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG2 323683 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG3 323684 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG4 323685 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG5 323686 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG6 323687 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG7 323688 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |

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|---|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|
| BAYONEEC___CTG8 323689 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BAYONEEC___CTG9 323749 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.62 4.41 0.00 | 68.90 4.81 0.00 | 80.20 5.85 -1.31 | 98.12 7.47 -4.71 | 125.83 11.19 -1.62 | 171.65 14.99 -17.91 | 187.55 17.90 -6.93 | 217.28 20.11 -26.64 | 297.44 26.94 -40.11 | 340.10 29.40 -48.14 | 377.10 27.88 -88.78 | 310.69 23.52 -49.60 | 259.52 18.35 -39.47 | 164.94 10.18 -20.75 | 102.86 6.57 -3.80 | 75.67 3.74 0.00 |
| BEACON___LESR 323632 | 61.51 2.37 0.00 | 58.51 2.03 0.00 | 56.17 1.74 0.00 | 50.93 1.48 0.00 | 49.65 1.49 0.00 | 53.00 1.54 0.00 | 55.58 1.57 0.00 | 58.77 1.77 0.00 | 63.11 1.90 0.00 | 65.95 1.86 0.00 | 75.34 2.34 0.04 | 88.77 2.83 0.00 | 117.55 4.53 0.00 | 98.44 6.10 46.41 | 46.89 8.13 123.96 | 31.45 9.20 148.27 | 99.49 12.20 143.10 | 134.53 13.64 141.66 | 176.66 12.76 96.55 | 275.75 10.93 -27.24 | 118.39 9.09 92.40 | 70.98 5.76 68.80 | 113.53 3.60 -17.44 | 74.30 2.37 0.00 |
| BEAVER RIVER___HYD 24048 | 60.44 1.30 0.00 | 57.55 1.07 0.00 | 55.35 0.92 0.00 | 50.14 0.69 0.00 | 48.83 0.67 0.00 | 52.44 0.98 0.00 | 55.09 1.08 0.00 | 58.08 1.08 0.00 | 62.25 1.04 0.00 | 64.67 0.58 0.00 | 73.84 0.80 0.00 | 86.71 0.77 0.00 | 113.71 0.68 0.00 | 136.67 -2.08 0.00 | 159.43 -2.92 0.36 | 167.79 -2.73 0.00 | 227.86 -2.53 0.00 | 260.99 -1.57 0.00 | 260.70 0.26 0.00 | 239.70 2.13 0.00 | 203.93 2.22 0.00 | 137.91 3.89 0.00 | 95.45 2.96 0.00 | 73.87 1.94 0.00 |
| BEEBEE_GT_13 23619 | 60.09 0.95 0.00 | 57.15 0.68 0.00 | 54.59 0.16 0.00 | 49.74 0.30 0.00 | 48.11 -0.05 0.00 | 51.46 0.00 0.00 | 54.60 0.59 0.00 | 57.28 0.28 0.00 | 61.76 0.55 0.00 | 65.25 1.15 0.00 | 75.08 2.05 0.00 | 89.37 3.44 0.00 | 115.85 2.83 0.00 | 140.55 1.80 0.00 | 163.53 0.81 0.00 | 171.38 0.85 0.00 | 227.85 -2.53 0.00 | 260.45 -2.10 0.00 | 258.88 -1.56 0.00 | 237.81 0.24 0.00 | 203.32 1.61 0.00 | 136.97 2.95 0.00 | 94.90 2.40 0.00 | 74.66 2.73 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 63.99 4.85 0.00 | 60.82 4.35 0.00 | 58.19 3.76 0.00 | 53.05 3.61 0.00 | 51.92 3.76 -0.01 | 54.81 3.34 0.00 | 58.12 4.10 0.00 | 62.24 5.24 0.00 | 66.66 5.45 0.00 | 69.87 5.77 -0.01 | 85.08 6.28 -5.76 | 114.71 8.08 -20.70 | 131.99 11.87 -7.09 | 224.83 16.23 -69.85 | 189.01 19.36 -6.93 | 219.00 21.83 -26.65 | 300.46 29.95 -40.12 | 343.54 32.82 -48.17 | 512.44 29.95 -222.04 | 313.55 26.37 -49.61 | 261.95 20.78 -39.47 | 166.28 11.53 -20.74 | 103.71 7.40 -3.82 | 76.76 4.82 -0.01 |
| BETHLEHEM___GRP 23843 | 60.50 1.36 0.00 | 57.44 0.96 0.00 | 55.41 0.98 0.00 | 50.28 0.84 0.00 | 49.02 0.87 0.00 | 52.28 0.82 0.00 | 54.77 0.76 0.00 | 57.85 0.85 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.11 1.10 0.02 | 87.31 1.37 0.00 | 115.51 2.49 0.00 | 117.13 3.61 25.23 | 100.05 4.72 67.38 | 113.72 5.46 62.26 | 192.06 7.37 45.70 | 233.62 7.88 36.81 | 276.59 6.77 -9.37 | 325.00 5.70 -81.72 | 218.95 4.64 -12.61 | 141.05 2.81 -4.22 | 112.50 1.57 -18.44 | 73.08 1.15 0.00 |
| BETHLEHEM___GS1 323560 | 60.50 1.36 0.00 | 57.60 1.13 0.00 | 55.41 0.98 0.00 | 50.28 0.84 0.00 | 49.03 0.87 0.00 | 52.28 0.82 0.00 | 54.77 0.76 0.00 | 57.86 0.86 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.11 1.10 0.02 | 87.31 1.37 0.00 | 115.51 2.48 0.00 | 117.13 3.60 25.23 | 100.21 4.88 67.38 | 113.88 5.62 62.26 | 192.06 7.37 45.70 | 233.61 7.87 36.81 | 276.58 6.76 -9.37 | 324.99 5.69 -81.72 | 218.96 4.64 -12.61 | 141.05 2.82 -4.22 | 112.50 1.57 -18.44 | 72.86 0.93 0.00 |
| BETHLEHEM___GS2 323561 | 60.50 1.36 0.00 | 57.60 1.13 0.00 | 55.41 0.98 0.00 | 50.28 0.84 0.00 | 49.03 0.87 0.00 | 52.28 0.82 0.00 | 54.77 0.76 0.00 | 57.86 0.86 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.11 1.10 0.02 | 87.31 1.37 0.00 | 115.51 2.48 0.00 | 117.13 3.60 25.23 | 100.21 4.88 67.38 | 113.88 5.62 62.26 | 192.06 7.37 45.70 | 233.61 7.87 36.81 | 276.58 6.76 -9.37 | 324.99 5.69 -81.72 | 218.96 4.64 -12.61 | 141.05 2.82 -4.22 | 112.50 1.57 -18.44 | 72.86 0.93 0.00 |
| BETHLEHEM___GS3 323562 | 60.50 1.36 0.00 | 57.60 1.13 0.00 | 55.41 0.98 0.00 | 50.28 0.84 0.00 | 49.03 0.87 0.00 | 52.28 0.82 0.00 | 54.77 0.76 0.00 | 57.86 0.86 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.11 1.10 0.02 | 87.31 1.37 0.00 | 115.51 2.48 0.00 | 117.13 3.60 25.23 | 100.21 4.88 67.38 | 113.88 5.62 62.26 | 192.06 7.37 45.70 | 233.61 7.87 36.81 | 276.58 6.76 -9.37 | 324.99 5.69 -81.72 | 218.96 4.64 -12.61 | 141.05 2.82 -4.22 | 112.50 1.57 -18.44 | 72.86 0.93 0.00 |
| BETHLEHEM___STEEL 23779 | 59.67 0.53 0.00 | 56.76 0.28 0.00 | 53.94 -0.49 0.00 | 49.34 -0.10 0.00 | 47.63 -0.53 0.00 | 50.95 -0.51 0.00 | 54.44 0.43 0.00 | 56.66 -0.34 0.00 | 61.15 -0.06 0.00 | 64.41 0.32 0.00 | 74.35 1.31 0.00 | 88.94 3.01 0.00 | 114.49 1.47 0.00 | 137.64 -1.11 0.00 | 159.30 -3.42 0.00 | 169.41 -3.92 -2.81 | 224.24 -11.06 -4.91 | 257.15 -11.55 -6.15 | 258.96 -9.90 -8.42 | 236.54 -5.94 -4.91 | 199.08 -2.62 0.00 | 134.96 0.94 0.00 | 93.97 1.48 0.00 | 74.88 2.95 0.00 |
| BETHLHEM_115KV_TB1 79974 | 60.56 1.42 0.00 | 57.55 1.07 0.00 | 55.52 1.09 0.00 | 50.38 0.94 0.00 | 49.12 0.96 0.00 | 52.39 0.93 0.00 | 54.87 0.86 0.00 | 57.97 0.97 0.00 | 62.19 0.98 0.00 | 65.12 1.03 0.00 | 74.33 1.31 0.02 | 87.57 1.63 0.00 | 115.74 2.71 0.00 | 119.04 4.02 23.73 | 104.37 5.04 63.39 | 118.70 5.63 57.45 | 196.96 7.60 41.03 | 238.78 8.40 32.17 | 280.11 7.29 -12.38 | 323.58 6.18 -79.83 | 220.38 5.04 -13.63 | 142.08 3.08 -4.98 | 111.93 1.85 -17.59 | 73.23 1.29 0.00 |
| BETHPAGE_CC_5 323564 | 63.63 4.49 0.00 | 61.05 4.57 0.00 | 57.86 3.43 0.00 | 52.41 2.97 0.00 | 51.19 3.04 0.00 | 54.55 3.09 0.00 | 57.36 3.35 0.00 | 61.45 4.45 0.00 | 65.07 3.86 0.00 | 67.53 3.46 0.02 | 78.30 5.26 0.00 | 94.02 8.08 0.00 | 126.58 12.10 -1.46 | 156.02 16.09 -1.18 | 188.94 19.35 -6.87 | 230.40 21.31 -38.56 | 309.83 28.80 -50.65 | 356.54 32.02 -61.96 | 352.06 30.46 -61.16 | 306.98 25.90 -43.51 | 255.17 18.54 -34.92 | 165.12 12.19 -18.91 | 105.26 7.40 -5.37 | 81.35 4.82 -4.60 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 59.67 0.53 0.00 | 56.76 0.28 0.00 | 53.94 -0.49 0.00 | 49.34 -0.10 0.00 | 47.63 -0.53 0.00 | 50.95 -0.51 0.00 | 54.50 0.49 0.00 | 56.71 -0.28 0.00 | 61.27 0.06 0.00 | 64.54 0.45 0.00 | 74.50 1.46 0.00 | 89.12 3.18 0.00 | 114.83 1.81 0.00 | 137.92 -0.83 0.00 | 159.79 -2.93 0.00 | 169.96 -3.41 -2.84 | 225.23 -10.14 -4.98 | 258.29 -10.50 -6.24 | 259.86 -9.12 -8.53 | 237.32 -5.23 -4.98 | 199.49 -2.22 0.00 | 135.22 1.21 0.00 | 94.16 1.66 0.00 | 74.95 3.02 0.00 |
| BINGHAMTON___COGEN 23790 | 60.21 1.06 0.00 | 57.15 0.68 0.00 | 54.97 0.54 0.00 | 49.99 0.54 0.00 | 48.64 0.48 0.00 | 52.03 0.57 0.00 | 54.82 0.81 0.00 | 58.02 1.03 0.00 | 62.43 1.22 0.00 | 65.44 1.35 0.00 | 75.16 2.12 0.00 | 89.03 3.09 0.00 | 116.53 3.50 0.00 | 142.36 3.61 0.00 | 166.62 3.91 0.00 | 180.19 3.75 -5.92 | 244.89 4.15 -10.35 | 280.25 4.73 -12.97 | 284.91 5.47 -19.00 | 260.22 5.94 -16.71 | 218.83 5.65 -11.48 | 145.29 4.29 -6.98 | 97.26 3.14 -1.62 | 74.30 2.37 0.00 |

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| BIXINCNT_115KV_LOAD 355685 | 58.79 -0.35 0.00 | 55.80 -0.68 0.00 | 53.07 -1.36 0.00 | 48.50 -0.94 0.00 | 46.91 -1.25 0.00 | 50.17 -1.29 0.00 | 54.66 0.65 0.00 | 57.17 0.17 0.00 | 61.82 0.61 0.00 | 64.99 0.90 0.00 | 75.01 1.97 0.00 | 89.72 3.78 0.00 | 115.74 2.71 0.00 | 137.22 -1.53 0.00 | 159.14 -3.58 0.00 | 169.29 -4.26 -3.03 | 224.63 -11.06 -5.30 | 257.64 -11.55 -6.64 | 260.15 -9.38 -9.09 | 237.64 -5.23 -5.30 | 199.89 -1.82 0.00 | 135.36 1.34 0.00 | 94.44 1.94 0.00 | 74.81 2.88 0.00 |
| BLACK RIVER___HYD 24047 | 61.68 2.54 0.00 | 58.62 2.15 0.00 | 56.33 1.90 0.00 | 50.93 1.48 0.00 | 49.60 1.44 0.00 | 53.31 1.85 0.00 | 56.01 2.00 0.00 | 59.11 2.11 0.00 | 63.29 2.08 0.00 | 65.76 1.66 0.00 | 75.31 2.27 0.00 | 88.60 2.67 0.00 | 116.18 3.16 0.00 | 139.45 0.70 0.00 | 162.65 0.16 0.23 | 171.04 0.51 0.00 | 232.69 2.30 0.00 | 266.74 4.19 0.00 | 267.20 6.76 0.00 | 246.83 9.26 0.00 | 210.17 8.47 0.00 | 142.19 8.18 0.00 | 98.14 5.64 0.00 | 75.53 3.60 0.00 |
| BLACKRVR_115KV_TB2 79977 | 61.68 2.54 0.00 | 58.62 2.15 0.00 | 56.33 1.91 0.00 | 50.93 1.48 0.00 | 49.60 1.44 0.00 | 53.31 1.85 0.00 | 56.01 2.00 0.00 | 59.11 2.11 0.00 | 63.29 2.08 0.00 | 65.76 1.67 0.00 | 75.30 2.26 0.00 | 88.60 2.66 0.00 | 116.19 3.16 0.00 | 142.08 3.33 0.00 | 162.81 0.33 0.23 | 171.21 0.68 0.00 | 232.69 2.30 0.00 | 266.75 4.20 0.00 | 267.48 7.03 0.00 | 246.84 9.27 0.00 | 210.18 8.47 0.00 | 139.51 5.49 0.00 | 98.14 5.64 0.00 | 75.74 3.81 0.00 |
| BLDWN_LI_69_KV_BK4 356085 | 64.11 4.97 0.00 | 61.16 4.69 0.00 | 58.13 3.70 0.00 | 52.71 3.26 0.00 | 51.48 3.32 0.00 | 54.75 3.29 0.00 | 57.79 3.78 0.00 | 61.56 4.56 0.00 | 65.43 4.22 0.00 | 68.25 4.17 0.01 | 78.81 5.77 0.00 | 94.81 8.85 -0.02 | 130.18 12.55 -4.61 | 158.00 16.65 -2.60 | 197.31 19.69 -14.91 | 255.01 21.49 -63.00 | 336.26 29.95 -75.93 | 383.70 33.34 -87.80 | 362.12 32.03 -69.64 | 314.74 27.56 -49.61 | 261.55 20.37 -39.48 | 168.04 13.27 -20.75 | 109.93 8.88 -8.56 | 92.23 6.33 -13.97 |
| BLISS_WT_PWR 323608 | 58.49 -0.65 0.00 | 55.57 -0.91 0.00 | 52.80 -1.63 0.00 | 48.31 -1.14 0.00 | 46.61 -1.54 0.00 | 49.86 -1.60 0.00 | 54.71 0.70 0.00 | 57.06 0.06 0.00 | 61.82 0.61 0.00 | 64.99 0.90 0.00 | 75.08 2.04 0.00 | 89.71 3.78 0.00 | 115.63 2.60 0.00 | 136.81 -1.94 0.00 | 158.49 -4.23 0.00 | 167.58 -5.97 -3.03 | 223.70 -11.99 -5.30 | 256.59 -12.60 -6.64 | 258.60 -10.93 -9.09 | 236.47 -6.40 -5.30 | 199.49 -2.21 0.00 | 135.08 1.07 0.00 | 94.34 1.85 0.00 | 73.37 1.44 0.00 |
| BLUESTONE___WT_PWR 323821 | 63.22 4.08 0.00 | 59.98 3.50 0.00 | 57.64 3.21 0.00 | 52.26 2.82 0.00 | 50.85 2.70 0.00 | 54.60 3.14 0.00 | 57.52 3.51 0.00 | 60.93 3.93 0.00 | 65.56 4.35 0.00 | 68.51 4.42 0.00 | 78.95 5.91 0.00 | 93.41 7.47 0.00 | 122.40 9.38 0.00 | 149.85 11.10 0.00 | 175.42 12.70 0.00 | 191.95 17.74 -8.63 | 263.23 21.01 -15.10 | 302.48 21.88 -18.92 | 310.52 21.14 -28.20 | 285.52 18.76 -26.82 | 241.60 12.74 -21.13 | 159.62 8.79 -12.86 | 104.28 8.79 -2.99 | 77.69 5.76 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 60.03 0.89 0.00 | 57.04 0.56 0.00 | 55.08 0.65 0.00 | 49.94 0.49 0.00 | 48.69 0.53 0.00 | 51.92 0.46 0.00 | 54.28 0.27 0.00 | 57.17 0.17 0.00 | 61.21 0.00 0.00 | 63.96 -0.13 0.00 | 73.09 0.07 0.02 | 84.49 0.09 1.54 | 104.42 0.68 9.29 | 107.74 1.39 32.40 | 99.05 1.95 65.62 | 106.65 2.22 66.09 | 159.82 3.23 73.79 | 224.52 3.68 41.71 | 259.39 3.65 4.70 | 296.90 3.33 -56.00 | 193.29 3.03 11.44 | 123.57 1.88 12.32 | 99.76 1.02 -6.25 | 72.58 0.65 0.00 |
| BOC_GAS_DRP 24189 | 60.56 1.42 0.00 | 57.61 1.13 0.00 | 55.57 1.14 0.00 | 50.48 1.04 0.00 | 49.22 1.06 0.00 | 52.49 1.03 0.00 | 54.98 0.97 0.00 | 58.14 1.14 0.00 | 62.37 1.16 0.00 | 65.31 1.22 0.00 | 74.71 1.68 0.01 | 88.10 2.06 -0.10 | 116.89 3.28 -0.59 | 128.49 4.58 14.84 | 127.27 5.53 40.98 | 145.94 5.80 30.38 | 224.78 7.83 13.45 | 264.84 8.66 6.38 | 297.60 8.07 -29.08 | 313.50 6.65 -69.28 | 226.64 5.65 -19.29 | 146.75 3.48 -9.24 | 108.00 2.13 -13.38 | 73.44 1.51 0.00 |
| BOONVILLE_115KV_TB1 79983 | 60.86 1.72 0.00 | 57.94 1.47 0.00 | 55.74 1.31 0.00 | 50.48 1.04 0.00 | 49.17 1.01 0.00 | 52.75 1.29 0.00 | 55.36 1.35 0.00 | 58.54 1.54 0.00 | 62.86 1.65 0.00 | 65.57 1.47 0.00 | 75.08 2.05 0.00 | 88.51 2.58 0.00 | 116.42 3.39 0.00 | 142.77 4.02 0.00 | 166.62 3.74 -0.16 | 174.28 3.75 0.00 | 236.38 5.99 0.00 | 269.90 7.35 0.00 | 268.52 8.07 0.00 | 245.65 8.08 0.00 | 208.76 7.06 0.00 | 138.71 4.69 0.00 | 96.29 3.79 0.00 | 74.45 2.52 0.00 |
| BORALEX_4TH_BRANCH 23824 | 62.87 3.73 0.00 | 59.69 3.22 0.00 | 57.21 2.78 0.00 | 51.92 2.47 0.00 | 50.71 2.55 0.00 | 53.98 2.52 0.00 | 56.77 2.75 0.00 | 60.13 3.13 0.00 | 64.33 3.12 0.00 | 67.43 3.33 0.00 | 77.95 4.89 -0.02 | 91.44 5.50 0.00 | 120.82 7.80 0.00 | 164.71 10.13 -15.83 | 217.37 12.37 -42.29 | 298.69 13.30 -114.86 | 409.44 17.74 -161.31 | 471.76 19.95 -189.25 | 531.19 19.01 -251.73 | 489.60 16.87 -235.16 | 486.01 14.72 -269.58 | 326.03 9.52 -182.50 | 126.71 6.20 -28.02 | 76.61 4.68 0.00 |
| BOWLINE___1 23526 | 62.45 3.31 0.00 | 59.41 2.93 0.00 | 56.88 2.45 0.00 | 51.62 2.17 0.00 | 50.47 2.31 0.00 | 53.72 2.26 0.00 | 56.66 2.65 0.00 | 60.48 3.48 0.00 | 64.76 3.55 0.00 | 67.87 3.78 0.00 | 77.93 4.89 0.00 | 92.21 6.27 0.00 | 122.40 9.38 0.00 | 153.78 12.62 -2.40 | 184.27 15.14 -6.42 | 212.62 16.72 -25.37 | 291.58 22.81 -38.38 | 333.64 24.96 -46.13 | 345.58 23.45 -61.68 | 305.30 19.96 -47.77 | 255.09 15.74 -37.64 | 162.80 8.98 -19.81 | 102.00 5.83 -3.67 | 75.24 3.31 0.00 |
| BOWLINE___2 23595 | 62.39 3.25 0.00 | 59.35 2.88 0.00 | 56.77 2.34 0.00 | 51.52 2.08 0.00 | 50.37 2.22 0.00 | 53.62 2.16 0.00 | 56.55 2.54 0.00 | 60.36 3.36 0.00 | 64.64 3.43 0.00 | 67.74 3.65 0.00 | 77.78 4.74 0.00 | 92.04 6.10 0.00 | 122.18 9.15 0.00 | 153.50 12.34 -2.40 | 183.94 14.81 -6.42 | 212.27 16.37 -25.38 | 291.11 22.34 -38.38 | 333.11 24.42 -46.14 | 345.31 23.17 -61.69 | 304.83 19.48 -47.77 | 254.67 15.32 -37.65 | 162.53 8.71 -19.81 | 101.90 5.74 -3.68 | 75.09 3.16 0.00 |
| BRADY___115KV_TB2 356060 | 58.73 -0.41 0.00 | 56.59 0.11 0.00 | 54.54 0.11 0.00 | 49.59 0.15 0.00 | 48.25 0.10 0.00 | 51.72 0.26 0.00 | 54.01 0.00 0.00 | 56.77 -0.23 0.00 | 60.78 -0.43 0.00 | 63.07 -1.03 0.00 | 71.14 -1.90 0.00 | 82.58 -3.35 0.00 | 108.05 -4.97 0.00 | 130.83 -7.91 0.01 | 151.87 -9.11 1.73 | 161.14 -9.38 0.00 | 219.10 -11.29 0.00 | 250.74 -11.81 0.00 | 249.51 -10.94 0.00 | 228.78 -8.79 0.00 | 194.24 -7.46 0.00 | 129.73 -4.29 0.00 | 90.74 -1.76 0.00 | 71.21 -0.72 0.00 |
| BRANSCOMB___SOLAR 323811 | 62.98 3.84 0.00 | 59.92 3.45 0.00 | 57.42 2.99 0.00 | 52.01 2.57 0.00 | 50.66 2.50 0.00 | 54.19 2.73 0.00 | 56.87 2.86 0.00 | 60.07 3.08 0.00 | 64.27 3.06 0.00 | 67.04 2.95 0.00 | 76.78 3.72 -0.01 | 90.49 4.55 0.00 | 119.69 6.67 0.00 | 160.29 8.61 -12.94 | 207.85 10.57 -34.56 | 298.23 11.60 -116.11 | 416.80 15.67 -170.74 | 484.34 18.37 -203.41 | 563.31 19.54 -283.32 | 541.74 17.83 -286.35 | 537.42 15.74 -319.97 | 352.74 10.46 -208.26 | 136.40 6.94 -36.97 | 76.54 4.61 0.00 |
| BRDGHMPT_69_KV_BK1 55812 | 65.05 5.91 0.00 | 62.07 5.59 0.00 | 58.62 4.19 0.00 | 53.05 3.61 0.00 | 51.72 3.56 0.00 | 54.96 3.50 0.00 | 58.01 4.00 0.00 | 62.01 5.02 0.00 | 66.17 4.96 0.00 | 69.11 5.06 0.05 | 80.86 7.82 0.00 | 98.05 12.12 0.00 | 131.41 17.86 -0.53 | 162.43 23.03 -0.65 | 247.94 25.55 -59.67 | 271.35 27.45 -73.38 | 309.49 35.94 -43.16 | 370.97 40.17 -68.25 | 357.02 38.29 -58.29 | 310.39 31.60 -41.22 | 259.12 24.20 -33.21 | 170.33 18.09 -18.22 | 107.74 10.91 -4.34 | 80.91 7.41 -1.57 |

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| BRENTWOD_69_KV_W. BRTWOOD 56703 | 64.29 5.15 0.00 | 61.50 5.03 0.00 | 58.29 3.86 0.00 | 52.81 3.36 0.00 | 51.58 3.42 0.00 | 54.86 3.40 0.00 | 57.95 3.94 0.00 | 61.73 4.73 0.00 | 65.37 4.16 0.00 | 67.69 3.65 0.06 | 78.77 5.70 -0.03 | 94.56 8.59 -0.03 | 125.77 12.09 -0.65 | 155.97 16.51 -0.71 | 186.83 19.53 -4.59 | 223.77 21.14 -32.10 | 303.11 28.80 -43.92 | 348.83 32.29 -53.99 | 349.82 30.73 -58.64 | 304.77 25.66 -41.54 | 253.91 18.76 -33.45 | 164.79 12.46 -18.31 | 105.47 8.51 -4.47 | 79.80 5.97 -1.90 |
| BRISTLHL_115KV_TB1 79998 | 58.37 -0.77 0.00 | 55.52 -0.96 0.00 | 53.40 -1.03 0.00 | 48.50 -0.94 0.00 | 47.19 -0.96 0.00 | 50.48 -0.98 0.00 | 53.15 -0.86 0.00 | 56.20 -0.80 0.00 | 60.48 -0.73 0.00 | 63.45 -0.64 0.00 | 72.75 -0.29 0.00 | 85.85 -0.09 0.00 | 112.69 -0.34 0.00 | 137.92 -0.83 0.00 | 161.74 -0.98 0.00 | 169.50 -1.02 0.00 | 228.31 -2.07 0.00 | 260.45 -2.10 0.00 | 258.62 -1.82 0.00 | 236.62 -0.95 0.00 | 201.10 -0.61 0.00 | 134.02 0.00 0.00 | 92.40 -0.09 0.00 | 71.72 -0.22 0.00 |
| BROOKHAVEN___DRP 24191 | 63.58 4.44 0.00 | 60.71 4.24 0.00 | 57.53 3.10 0.00 | 52.11 2.67 0.00 | 50.90 2.74 0.00 | 54.09 2.62 0.00 | 57.09 3.08 0.00 | 60.82 3.82 0.00 | 64.58 3.37 0.00 | 67.06 3.01 0.05 | 78.01 4.97 0.00 | 94.01 8.08 0.00 | 125.98 12.43 -0.53 | 156.19 16.79 -0.65 | 239.71 19.53 -57.47 | 263.19 20.97 -71.69 | 300.72 27.19 -43.15 | 360.63 30.46 -67.63 | 347.64 28.91 -58.29 | 302.79 23.99 -41.22 | 253.47 18.56 -33.21 | 165.37 13.13 -18.22 | 104.78 7.95 -4.33 | 78.67 5.18 -1.56 |
| BROOKLYN_NAVY_YARD 23515 | 63.40 4.26 0.00 | 60.37 3.89 0.00 | 57.69 3.27 0.00 | 52.41 2.97 0.00 | 51.24 3.08 0.00 | 54.44 2.98 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.86 4.65 0.00 | 69.16 5.06 0.00 | 79.03 5.99 0.00 | 93.67 7.74 0.00 | 124.56 11.53 0.00 | 157.98 15.54 -3.69 | 190.10 18.38 -9.00 | 217.79 20.62 -26.64 | 299.01 27.87 -40.75 | 341.14 30.44 -48.15 | 357.21 28.91 -67.86 | 316.33 24.48 -54.28 | 264.04 19.37 -42.97 | 166.91 10.73 -22.17 | 103.24 6.94 -3.80 | 75.96 4.03 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| BROOME_2_LFGE 323671 | 60.21 1.07 0.00 | 57.21 0.73 0.00 | 54.97 0.54 0.00 | 49.99 0.54 0.00 | 48.59 0.43 0.00 | 51.98 0.51 0.00 | 54.82 0.81 0.00 | 57.97 0.97 0.00 | 62.43 1.22 0.00 | 65.44 1.35 0.00 | 75.16 2.12 0.00 | 88.94 3.01 0.00 | 116.41 3.39 0.00 | 142.35 3.60 0.00 | 166.62 3.90 0.00 | 180.03 3.59 -5.92 | 244.89 4.15 -10.35 | 280.25 4.73 -12.97 | 284.65 5.21 -19.00 | 260.23 5.94 -16.71 | 218.82 5.64 -11.48 | 145.29 4.29 -6.98 | 97.26 3.15 -1.62 | 73.73 1.80 0.00 |
| BROOME___LFGE 323600 | 60.21 1.07 0.00 | 57.21 0.73 0.00 | 54.97 0.54 0.00 | 49.99 0.54 0.00 | 48.59 0.43 0.00 | 51.98 0.51 0.00 | 54.82 0.81 0.00 | 57.97 0.97 0.00 | 62.43 1.22 0.00 | 65.44 1.35 0.00 | 75.16 2.12 0.00 | 88.94 3.01 0.00 | 116.41 3.39 0.00 | 142.35 3.60 0.00 | 166.62 3.90 0.00 | 180.03 3.59 -5.92 | 244.89 4.15 -10.35 | 280.25 4.73 -12.97 | 284.65 5.21 -19.00 | 260.23 5.94 -16.71 | 218.82 5.64 -11.48 | 145.29 4.29 -6.98 | 97.26 3.15 -1.62 | 73.73 1.80 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 59.26 0.12 0.00 | 56.65 0.17 0.00 | 54.54 0.11 0.00 | 49.49 0.05 0.00 | 48.16 0.00 0.00 | 51.72 0.26 0.00 | 54.17 0.16 0.00 | 57.17 0.17 0.00 | 61.27 0.06 0.00 | 63.52 -0.58 0.00 | 72.23 -0.80 0.00 | 84.30 -1.63 0.00 | 110.43 -2.60 0.00 | 134.31 -4.44 0.00 | 154.65 -7.16 0.91 | 163.36 -7.16 0.00 | 221.86 -8.52 0.00 | 253.89 -8.66 0.00 | 252.89 -7.55 0.00 | 232.11 -5.46 0.00 | 197.27 -4.44 0.00 | 131.34 -2.68 0.00 | 92.49 0.00 0.00 | 72.07 0.14 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 64.05 4.91 0.00 | 60.88 4.41 0.00 | 58.29 3.86 0.00 | 52.90 3.46 0.00 | 51.72 3.56 0.00 | 54.96 3.50 0.00 | 58.22 4.21 0.00 | 62.24 5.24 0.00 | 66.54 5.33 0.00 | 69.86 5.77 0.00 | 80.05 7.01 0.00 | 94.87 8.94 0.00 | 126.02 13.00 0.00 | 158.83 17.48 -2.60 | 189.99 20.34 -6.93 | 219.50 22.34 -26.64 | 301.37 30.87 -40.11 | 344.57 33.87 -48.15 | 356.94 32.30 -64.20 | 314.96 27.80 -49.60 | 263.16 21.99 -39.47 | 167.23 12.46 -20.75 | 104.43 8.14 -3.80 | 77.25 5.32 0.00 |
| BURROWS___LYONSDAL 23803 | 60.74 1.60 0.00 | 57.77 1.30 0.00 | 55.57 1.14 0.00 | 50.33 0.89 0.00 | 49.02 0.87 0.00 | 52.59 1.13 0.00 | 55.25 1.24 0.00 | 58.37 1.37 0.00 | 62.62 1.41 0.00 | 65.31 1.22 0.00 | 74.72 1.68 0.00 | 88.08 2.15 0.00 | 115.74 2.71 0.00 | 141.80 3.05 0.00 | 164.83 2.12 0.00 | 172.74 2.22 0.00 | 234.30 3.92 0.00 | 267.80 5.25 0.00 | 266.69 6.25 0.00 | 244.22 6.65 0.00 | 207.76 6.05 0.00 | 137.90 3.89 0.00 | 96.01 3.51 0.00 | 74.23 2.30 0.00 |
| CAITHNESS_CC_1 323624 | 63.58 4.44 0.00 | 61.05 4.57 0.00 | 57.75 3.32 0.00 | 52.11 2.67 0.00 | 50.90 2.74 0.00 | 54.29 2.83 0.00 | 57.09 3.08 0.00 | 61.16 4.16 0.00 | 64.82 3.61 0.00 | 67.00 2.95 0.04 | 78.01 4.97 0.00 | 93.75 7.82 0.00 | 125.87 12.32 -0.52 | 155.63 16.23 -0.65 | 237.34 19.35 -55.27 | 261.50 20.97 -70.01 | 300.23 26.71 -43.13 | 359.22 29.66 -67.00 | 347.12 28.39 -58.28 | 302.54 23.75 -41.21 | 252.04 17.14 -33.20 | 164.84 12.59 -18.22 | 103.95 7.12 -4.33 | 77.80 4.32 -1.56 |
| CALPINE BETH_PAGE_GT4 24209 | 63.52 4.38 0.00 | 60.66 4.18 0.00 | 57.64 3.21 0.00 | 52.46 3.02 0.00 | 51.24 3.08 0.00 | 54.50 3.04 0.00 | 57.36 3.35 0.00 | 61.10 4.10 0.00 | 64.88 3.67 0.00 | 67.61 3.53 0.01 | 78.23 5.19 0.00 | 94.11 8.16 -0.01 | 126.97 12.09 -1.85 | 156.42 16.23 -1.44 | 189.96 19.20 -8.04 | 233.15 20.97 -41.65 | 313.31 29.03 -53.90 | 360.67 32.29 -65.82 | 353.69 30.73 -62.51 | 308.35 26.13 -44.64 | 256.43 18.96 -35.77 | 165.46 12.20 -19.25 | 106.17 7.86 -5.82 | 83.24 5.39 -5.92 |
| CALPINE_BETH_PAGE_GT_4 323586 | 63.58 4.44 0.00 | 61.00 4.52 0.00 | 57.81 3.38 0.00 | 52.46 3.02 0.00 | 51.24 3.08 0.00 | 54.60 3.14 0.00 | 57.36 3.35 0.00 | 61.39 4.39 0.00 | 65.07 3.86 0.00 | 67.61 3.52 0.01 | 78.37 5.33 0.00 | 94.02 8.08 -0.01 | 127.09 12.21 -1.85 | 156.42 16.23 -1.44 | 190.28 19.52 -8.04 | 233.49 21.31 -41.65 | 313.31 29.03 -53.90 | 360.66 32.28 -65.82 | 353.68 30.72 -62.51 | 308.35 26.13 -44.64 | 256.23 18.76 -35.77 | 165.47 12.19 -19.25 | 105.80 7.49 -5.82 | 82.74 4.89 -5.92 |
| CALPINE_BP_GT1 23823 | 63.58 4.44 0.00 | 61.00 4.52 0.00 | 57.81 3.38 0.00 | 52.46 3.02 0.00 | 51.24 3.08 0.00 | 54.60 3.14 0.00 | 57.36 3.35 0.00 | 61.39 4.39 0.00 | 65.07 3.86 0.00 | 67.61 3.52 0.01 | 78.37 5.33 0.00 | 94.02 8.08 -0.01 | 127.09 12.21 -1.85 | 156.42 16.23 -1.44 | 190.28 19.52 -8.04 | 233.49 21.31 -41.65 | 313.31 29.03 -53.90 | 360.66 32.28 -65.82 | 353.68 30.72 -62.51 | 308.35 26.13 -44.64 | 256.23 18.76 -35.77 | 165.47 12.19 -19.25 | 105.80 7.49 -5.82 | 82.74 4.89 -5.92 |
| CALSPAN___DRP 24200 | 59.67 0.53 0.00 | 56.76 0.28 0.00 | 53.94 -0.49 0.00 | 49.34 -0.10 0.00 | 47.63 -0.53 0.00 | 50.95 -0.51 0.00 | 54.44 0.43 0.00 | 56.66 0.34 0.00 | 61.15 -0.06 0.00 | 64.41 0.32 0.00 | 74.35 1.31 0.00 | 88.94 3.01 0.00 | 114.49 1.47 0.00 | 137.64 -1.11 0.00 | 159.30 -3.42 0.00 | 169.41 -3.92 -2.81 | 224.24 -11.06 -4.91 | 257.15 -11.55 -6.15 | 258.96 -9.90 -8.42 | 236.54 -5.94 -4.91 | 199.08 -2.62 0.00 | 134.96 0.94 0.00 | 93.97 1.48 0.00 | 74.88 2.95 0.00 |

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| CALVERTON___SOLAR 323806 | 63.81 4.67 0.00 | 61.22 4.74 0.00 | 57.86 3.43 0.00 | 52.21 2.77 0.00 | 50.95 2.79 0.00 | 54.34 2.88 0.00 | 57.14 3.13 0.00 | 61.28 4.28 0.00 | 65.01 3.80 0.00 | 67.25 3.20 0.05 | 78.45 5.40 0.00 | 94.45 8.51 0.00 | 126.77 13.22 -0.53 | 156.89 17.48 -0.66 | 241.52 20.50 -58.30 | 265.18 22.33 -72.33 | 301.64 28.10 -43.15 | 361.90 31.49 -67.86 | 348.67 29.94 -58.29 | 303.73 24.94 -41.22 | 253.27 18.35 -33.21 | 166.31 14.07 -18.23 | 104.68 7.86 -4.33 | 78.24 4.75 -1.56 |
| CANDIGU_WT_PWR 323617 | 59.67 0.53 0.00 | 56.59 0.11 0.00 | 54.05 -0.38 0.00 | 49.35 -0.10 0.00 | 47.87 -0.29 0.00 | 51.20 -0.26 0.00 | 54.44 0.43 0.00 | 57.06 0.06 0.00 | 61.27 0.06 0.00 | 64.35 0.26 0.00 | 74.06 1.02 0.00 | 88.09 2.15 0.00 | 113.82 0.80 0.00 | 138.06 -0.69 0.00 | 160.60 -2.12 0.00 | 171.09 -3.25 -3.81 | 230.37 -6.69 -6.68 | 264.61 -6.30 -8.36 | 268.49 -4.18 -12.23 | 248.46 0.24 -10.65 | 211.10 2.22 -7.17 | 141.73 3.35 -4.36 | 96.56 3.05 -1.01 | 73.94 2.01 0.00 |
| CARR STREET_E_SYR 24060 | 59.14 0.00 0.00 | 56.25 -0.22 0.00 | 54.05 -0.38 0.00 | 49.10 -0.34 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.80 -0.22 0.00 | 56.94 -0.06 0.00 | 61.33 0.12 0.00 | 64.41 0.32 0.00 | 73.92 0.88 0.00 | 87.31 1.37 0.00 | 114.49 1.47 0.00 | 140.14 1.39 0.00 | 164.01 1.30 0.00 | 171.73 1.20 0.00 | 231.54 1.16 0.00 | 263.87 1.32 0.00 | 262.02 1.57 0.00 | 239.70 2.13 0.00 | 203.72 2.02 0.00 | 135.89 1.88 0.00 | 93.69 1.20 0.00 | 72.37 0.43 0.00 |
| CARTHAGE___PAPER 23857 | 60.91 1.77 0.00 | 58.00 1.53 0.00 | 55.73 1.30 0.00 | 50.43 0.99 0.00 | 49.12 0.96 0.00 | 52.80 1.34 0.00 | 55.47 1.46 0.00 | 58.48 1.48 0.00 | 62.56 1.34 0.00 | 64.99 0.90 0.00 | 74.20 1.16 0.00 | 87.14 1.20 0.00 | 114.27 1.25 0.00 | 135.42 -3.33 0.00 | 157.88 -4.56 0.28 | 166.09 -4.43 0.00 | 226.00 -4.38 0.00 | 259.13 -3.42 0.00 | 259.41 -1.04 0.00 | 239.01 1.43 0.00 | 203.52 1.81 0.00 | 139.38 5.37 0.00 | 96.47 3.97 0.00 | 74.45 2.52 0.00 |
| CASSADAGA_WT_PWR 323784 | 59.56 0.42 0.00 | 56.42 -0.06 0.00 | 53.67 -0.76 0.00 | 49.10 -0.34 0.00 | 47.53 -0.63 0.00 | 50.85 -0.62 0.00 | 54.71 0.70 0.00 | 57.40 0.40 0.00 | 62.56 1.34 0.00 | 65.70 1.60 0.00 | 75.81 2.77 0.00 | 90.66 4.72 0.00 | 117.77 4.75 0.00 | 141.52 2.77 0.00 | 163.53 0.82 0.00 | 173.34 -0.17 -2.99 | 231.23 -4.38 -5.23 | 265.42 -3.68 -6.55 | 267.31 -2.09 -8.96 | 244.69 1.89 -5.23 | 206.14 4.43 0.00 | 139.38 5.37 0.00 | 96.84 4.35 0.00 | 75.17 3.24 0.00 |
| CE_DUNWOOD___DRP 24194 | 62.93 3.79 0.00 | 59.81 3.33 0.00 | 57.31 2.88 0.00 | 52.06 2.62 0.00 | 50.85 2.70 0.00 | 54.09 2.62 0.00 | 57.14 3.13 0.00 | 60.99 3.99 0.00 | 65.25 4.04 0.00 | 68.45 4.36 0.00 | 78.59 5.55 0.00 | 92.98 7.05 0.00 | 123.42 10.40 0.00 | 155.35 14.01 -2.59 | 186.06 16.43 -6.91 | 215.18 18.08 -26.58 | 295.52 25.11 -40.02 | 338.16 27.57 -48.04 | 350.55 26.04 -64.06 | 309.16 22.09 -49.50 | 258.64 17.55 -39.38 | 164.77 10.05 -20.70 | 102.76 6.47 -3.80 | 76.10 4.17 0.00 |
| CE_MILLWOOD___DRP 24193 | 62.81 3.67 0.00 | 59.64 3.16 0.00 | 57.15 2.72 0.00 | 51.92 2.47 0.00 | 50.71 2.55 0.00 | 53.98 2.52 0.00 | 56.98 2.97 0.00 | 60.82 3.82 0.00 | 65.13 3.92 0.00 | 68.26 4.17 0.00 | 78.37 5.33 0.00 | 92.73 6.79 0.00 | 123.08 10.06 0.00 | 154.78 13.46 -2.57 | 185.52 15.95 -6.86 | 214.35 17.39 -26.44 | 294.40 24.19 -39.82 | 336.88 26.52 -47.81 | 349.21 25.00 -63.77 | 308.23 21.38 -49.28 | 257.83 16.94 -39.18 | 164.27 9.65 -20.60 | 102.56 6.29 -3.78 | 75.96 4.03 0.00 |
| CE_NYC2_DRP 24202 | 63.34 4.20 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.50 3.04 0.00 | 57.74 3.73 0.00 | 61.73 4.73 0.00 | 65.86 4.65 0.00 | 69.03 4.94 0.00 | 76.83 5.62 1.84 | 86.55 7.22 6.61 | 121.61 10.85 2.26 | 134.87 14.99 18.87 | 186.90 17.25 -6.93 | 216.27 19.10 -26.64 | 297.23 26.72 -40.11 | 339.59 28.88 -48.15 | 316.47 27.09 -28.94 | 309.74 22.57 -49.60 | 258.72 17.55 -39.47 | 164.27 9.52 -20.74 | 101.62 6.10 -3.02 | 75.45 3.88 0.37 |
| CE_NYC_DRP 24195 | 63.46 4.32 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.46 3.02 0.00 | 51.29 3.13 0.00 | 54.50 3.04 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.93 7.99 0.00 | 124.78 11.75 0.00 | 157.16 15.82 -2.60 | 188.04 18.39 -6.93 | 217.46 20.29 -26.64 | 298.61 28.11 -40.11 | 341.42 30.72 -48.15 | 353.55 28.91 -64.20 | 311.88 24.71 -49.60 | 260.53 19.36 -39.47 | 165.49 10.72 -20.75 | 103.23 6.94 -3.80 | 76.39 4.46 0.00 |
| CHAFFEE___LFGE 323603 | 59.85 0.71 0.00 | 56.93 0.45 0.00 | 54.10 -0.32 0.00 | 49.44 0.00 0.00 | 47.68 -0.48 0.00 | 50.90 -0.56 0.00 | 54.55 0.54 0.00 | 56.72 -0.28 0.00 | 61.39 0.18 0.00 | 64.67 0.58 0.00 | 74.57 1.54 0.00 | 89.28 3.35 0.00 | 114.94 1.92 0.00 | 138.34 -0.42 0.00 | 160.11 -2.61 0.00 | 169.35 -4.09 -2.92 | 226.04 -9.46 -5.10 | 259.24 -9.71 -6.39 | 260.34 -8.86 -8.75 | 237.93 -4.75 -5.10 | 200.30 -1.40 0.00 | 135.49 1.48 0.00 | 94.34 1.85 0.00 | 73.65 1.72 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 56.54 -2.60 0.00 | 54.61 -1.86 0.00 | 52.74 -1.69 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.07 -1.39 0.00 | 52.44 -1.57 0.00 | 55.35 -1.65 0.00 | 59.50 -1.71 0.00 | 61.98 -2.12 0.00 | 69.75 -3.29 0.00 | 81.12 -4.81 0.00 | 106.58 -6.44 0.00 | 130.56 -8.19 0.01 | 151.71 -9.11 1.90 | 161.14 -9.38 0.00 | 218.87 -11.52 0.00 | 249.95 -12.60 0.00 | 248.46 -11.98 0.00 | 227.36 -10.22 0.00 | 193.03 -8.67 0.00 | 128.39 -5.63 0.00 | 89.07 -3.42 0.00 | 70.06 -1.87 0.00 |
| CHATEAUG_WT_PWR 323614 | 56.60 -2.54 0.00 | 54.50 -1.98 0.00 | 52.80 -1.63 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.07 -1.39 0.00 | 52.44 -1.57 0.00 | 55.40 -1.60 0.00 | 59.56 -1.65 0.00 | 62.11 -1.99 0.00 | 69.97 -3.06 0.00 | 81.46 -4.47 0.00 | 106.92 -6.11 0.00 | 131.25 -7.49 0.01 | 152.15 -8.63 1.94 | 161.83 -8.69 0.00 | 219.56 -10.82 0.00 | 250.48 -12.07 0.00 | 248.99 -11.45 0.00 | 227.60 -9.97 0.00 | 193.04 -8.67 0.00 | 128.39 -5.62 0.00 | 89.17 -3.33 0.00 | 70.56 -1.37 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 56.54 -2.60 0.00 | 54.61 -1.86 0.00 | 52.74 -1.69 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.07 -1.39 0.00 | 52.44 -1.57 0.00 | 55.35 -1.65 0.00 | 59.50 -1.71 0.00 | 61.98 -2.12 0.00 | 69.75 -3.29 0.00 | 81.12 -4.81 0.00 | 106.58 -6.44 0.00 | 130.56 -8.19 0.01 | 151.71 -9.11 1.90 | 161.14 -9.38 0.00 | 218.87 -11.52 0.00 | 249.95 -12.60 0.00 | 248.46 -11.98 0.00 | 227.36 -10.22 0.00 | 193.03 -8.67 0.00 | 128.39 -5.63 0.00 | 89.07 -3.42 0.00 | 70.06 -1.87 0.00 |
| CHAUTAUQUA___LFGE 323629 | 59.85 0.71 0.00 | 56.87 0.40 0.00 | 54.05 -0.38 0.00 | 49.44 0.00 0.00 | 47.77 -0.39 0.00 | 51.05 -0.41 0.00 | 54.82 0.81 0.00 | 57.23 0.23 0.00 | 62.13 0.92 0.00 | 65.37 1.28 0.00 | 75.45 2.41 0.00 | 90.32 4.38 0.00 | 116.53 3.51 0.00 | 140.28 1.53 0.00 | 162.07 -0.65 0.00 | 171.57 -1.87 -2.92 | 229.04 -6.45 -5.10 | 262.92 -6.03 -6.39 | 264.51 -4.68 -8.75 | 242.20 -0.47 -5.10 | 203.93 2.22 0.00 | 137.91 3.89 0.00 | 96.10 3.60 0.00 | 74.66 2.73 0.00 |
| CHERRYST_13_KV_LD 356241 | 63.69 4.55 0.00 | 60.54 4.07 0.00 | 57.97 3.54 0.00 | 52.66 3.21 0.00 | 51.53 3.37 0.00 | 54.75 3.29 0.00 | 57.95 3.94 0.00 | 62.01 5.02 0.00 | 66.29 5.08 0.00 | 69.60 5.51 0.00 | 79.76 6.72 0.00 | 94.53 8.59 0.00 | 125.57 12.55 0.00 | 158.27 16.93 -2.60 | 189.18 19.53 -6.93 | 218.65 21.49 -26.64 | 300.22 29.72 -40.11 | 343.25 32.56 -48.15 | 355.11 30.47 -64.20 | 313.06 25.90 -49.60 | 261.54 20.37 -39.47 | 166.16 11.39 -20.75 | 103.69 7.40 -3.80 | 76.75 4.82 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|------------------------|
| CHESTROR_138KV_BK263 355645 | 62.16 3.02 0.00 | 59.02 2.54 0.00 | 56.66 2.23 0.00 | 51.42 1.98 0.00 | 50.23 2.07 0.00 | 53.52 2.06 0.00 | 56.39 2.38 0.00 | 60.08 3.08 0.00 | 64.33 3.12 0.00 | 67.43 3.33 0.00 | 77.42 4.38 0.00 | 91.52 5.59 0.00 | 121.28 8.25 0.00 | 152.12 11.24 -2.13 | 181.58 13.18 -5.68 | 208.61 14.49 -23.59 | 286.62 20.27 -35.95 | 328.19 22.32 -43.32 | 339.74 21.10 -58.20 | 300.90 18.06 -45.27 | 251.15 14.32 -35.13 | 157.10 8.31 -14.78 | 101.39 5.46 -3.44 | 75.46 3.52 0.00 |
| CH_MIDHUDSON___DRP 24192 | 62.75 3.61 0.00 | 59.53 3.05 0.00 | 57.15 2.72 0.00 | 51.87 2.42 0.00 | 50.66 2.50 0.00 | 53.93 2.47 0.00 | 56.87 2.86 0.00 | 60.53 3.53 0.00 | 64.88 3.67 0.00 | 68.00 3.91 0.00 | 78.15 5.11 0.00 | 92.47 6.53 0.00 | 122.52 9.49 0.00 | 153.67 12.77 -2.15 | 183.44 14.97 -5.75 | 212.22 16.37 -25.33 | 292.12 22.81 -38.92 | 334.77 25.21 -47.01 | 348.00 23.96 -63.60 | 308.14 20.43 -50.14 | 257.02 16.54 -38.78 | 160.58 9.65 -16.91 | 102.72 6.29 -3.93 | 76.17 4.24 0.00 |
| CH_MISC_IPPS 23765 | 62.98 3.84 0.00 | 59.86 3.39 0.00 | 57.31 2.88 0.00 | 52.01 2.57 0.00 | 50.76 2.60 0.00 | 54.13 2.67 0.00 | 57.03 3.02 0.00 | 60.76 3.76 0.00 | 65.13 3.92 0.00 | 68.26 4.16 0.00 | 78.52 5.48 0.00 | 92.98 7.05 0.00 | 123.20 10.18 0.00 | 154.35 13.61 -2.00 | 184.32 16.27 -5.33 | 212.79 17.90 -24.37 | 292.43 24.41 -37.63 | 335.13 27.05 -45.53 | 348.00 25.79 -61.77 | 308.48 22.10 -48.81 | 256.81 17.75 -37.35 | 161.01 10.46 -16.53 | 103.36 7.03 -3.85 | 76.47 4.53 0.00 |
| CH_RES_BVR_FALLS 23983 | 58.08 -1.06 0.00 | 55.57 -0.91 0.00 | 53.61 -0.81 0.00 | 48.70 -0.74 0.00 | 47.44 -0.72 0.00 | 50.74 -0.72 0.00 | 53.20 -0.81 0.00 | 56.20 -0.80 0.00 | 60.48 -0.73 0.00 | 63.26 -0.83 0.00 | 71.87 -1.17 0.00 | 83.79 -2.15 0.00 | 109.86 -3.16 0.00 | 134.70 -4.03 0.02 | 152.23 -4.72 5.76 | 165.57 -4.95 0.00 | 223.94 -6.45 0.00 | 255.73 -6.83 0.00 | 253.94 -6.50 0.00 | 231.64 -5.93 0.00 | 196.67 -5.03 0.00 | 130.53 -3.49 0.00 | 90.27 -2.22 0.00 | 70.56 -1.37 0.00 |
| CH_RES_NIAGARA 23895 | 58.02 -1.12 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.42 -1.73 0.00 | 49.61 -1.85 0.00 | 53.15 -0.86 0.00 | 54.89 -2.11 0.00 | 59.13 -2.08 0.00 | 62.36 -1.73 0.00 | 71.72 -1.31 0.00 | 85.68 -0.26 0.00 | 109.97 -3.05 0.00 | 131.95 -6.80 0.00 | 152.63 -10.09 0.00 | 161.49 -11.60 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 245.20 -22.92 -7.67 | 224.47 -17.58 -4.47 | 189.80 -11.90 0.00 | 129.33 -4.69 0.00 | 90.18 -2.31 0.00 | 72.51 0.58 0.00 |
| CH_RES_SYRACUSE 23985 | 59.20 0.06 0.00 | 56.31 -0.17 0.00 | 54.10 -0.32 0.00 | 49.15 -0.29 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.80 -0.22 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.39 0.00 | 73.92 0.88 0.00 | 87.23 1.29 0.00 | 114.39 1.36 0.00 | 140.00 1.25 0.00 | 164.18 1.46 0.00 | 171.88 1.36 0.00 | 231.78 1.39 0.00 | 264.40 1.85 0.00 | 262.52 2.07 0.00 | 240.19 2.62 0.00 | 204.13 2.43 0.00 | 136.15 2.14 0.00 | 93.79 1.29 0.00 | 72.58 0.65 0.00 |
| CLINTON_WT_PWR 323605 | 56.60 -2.54 0.00 | 54.50 -1.98 0.00 | 52.80 -1.63 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.07 -1.39 0.00 | 52.44 -1.57 0.00 | 55.40 -1.60 0.00 | 59.56 -1.65 0.00 | 62.11 -1.99 0.00 | 69.97 -3.06 0.00 | 81.46 -4.47 0.00 | 106.92 -6.11 0.00 | 131.25 -7.49 0.01 | 152.15 -8.63 1.94 | 161.83 -8.69 0.00 | 219.56 -10.82 0.00 | 250.48 -12.07 0.00 | 248.99 -11.45 0.00 | 227.60 -9.97 0.00 | 193.04 -8.67 0.00 | 128.39 -5.62 0.00 | 89.17 -3.33 0.00 | 70.56 -1.37 0.00 |
| CLINTON___LFGE 323618 | 57.19 -1.95 0.00 | 55.12 -1.36 0.00 | 53.34 -1.09 0.00 | 48.60 -0.84 0.00 | 47.29 -0.87 0.00 | 50.64 -0.83 0.00 | 53.04 -0.97 0.00 | 56.15 -0.85 0.00 | 60.35 -0.86 0.00 | 62.87 -1.22 0.00 | 70.85 -2.19 0.00 | 82.24 -3.69 0.00 | 107.94 -5.08 0.00 | 132.50 -6.24 0.01 | 153.63 -7.16 1.93 | 163.37 -7.16 0.00 | 221.87 -8.52 0.00 | 253.36 -9.20 0.00 | 251.59 -8.86 0.00 | 230.20 -7.37 0.00 | 195.45 -6.25 0.00 | 129.72 -4.29 0.00 | 90.18 -2.31 0.00 | 71.57 -0.36 0.00 |
| COBBLENY_34_KV_TB1 80064 | 59.85 0.71 0.00 | 56.93 0.45 0.00 | 54.10 -0.33 0.00 | 49.44 0.00 0.00 | 47.72 -0.43 0.00 | 51.05 -0.41 0.00 | 54.55 0.54 0.00 | 56.83 -0.17 0.00 | 61.39 0.18 0.00 | 64.67 0.58 0.00 | 74.57 1.53 0.00 | 89.29 3.35 0.00 | 115.06 2.03 0.00 | 138.33 -0.42 0.00 | 160.28 -2.44 0.00 | 170.54 -2.90 -2.92 | 226.05 -9.45 -5.10 | 259.23 -9.71 -6.39 | 261.12 -8.07 -8.75 | 238.16 -4.51 -5.10 | 200.29 -1.41 0.00 | 135.63 1.61 0.00 | 94.34 1.85 0.00 | 75.10 3.16 0.00 |
| COFFEEN___115KV_TB3 355620 | 62.16 3.02 0.00 | 59.02 2.54 0.00 | 56.66 2.23 0.00 | 51.27 1.83 0.00 | 49.89 1.73 0.00 | 53.67 2.21 0.00 | 56.39 2.38 0.00 | 59.45 2.45 0.00 | 63.60 2.39 0.00 | 66.08 1.99 0.00 | 75.74 2.70 0.00 | 89.20 3.27 0.00 | 116.87 3.84 0.00 | 142.77 4.02 0.00 | 163.80 1.30 0.22 | 172.23 1.71 0.00 | 234.30 3.92 0.00 | 268.85 6.30 0.00 | 269.82 9.38 0.00 | 249.45 11.88 0.00 | 212.60 10.89 0.00 | 141.12 7.10 0.00 | 99.06 6.57 0.00 | 76.39 4.46 0.00 |
| COLDSPRG_115KV_BK1 355956 | 59.97 0.83 0.00 | 56.76 0.28 0.00 | 54.05 -0.38 0.00 | 49.39 -0.05 0.00 | 47.82 -0.34 0.00 | 51.25 -0.21 0.00 | 55.04 1.03 0.00 | 57.85 0.85 0.00 | 62.74 1.53 0.00 | 65.89 1.79 0.00 | 76.18 3.14 0.00 | 91.09 5.16 0.00 | 118.11 5.09 0.00 | 141.94 3.19 0.00 | 164.18 1.46 0.00 | 174.98 1.36 -3.10 | 232.58 -3.23 -5.42 | 266.45 -2.89 -6.79 | 268.95 -0.78 -9.29 | 245.60 2.61 -5.42 | 206.14 4.44 0.00 | 138.98 4.96 0.00 | 96.66 4.16 0.00 | 76.17 4.24 0.00 |
| COLONIE_LFGE___ 323577 | 62.10 2.96 0.00 | 59.13 2.65 0.00 | 56.72 2.29 0.00 | 51.42 1.98 0.00 | 50.18 2.02 0.00 | 53.52 2.06 0.00 | 56.17 2.16 0.00 | 59.45 2.45 0.00 | 63.72 2.51 0.00 | 66.66 2.57 0.00 | 76.56 3.51 -0.02 | 90.15 4.21 0.00 | 119.12 6.10 0.00 | 165.11 7.90 -18.45 | 221.94 9.93 -49.30 | 313.48 10.75 -132.20 | 429.75 14.29 -185.07 | 495.46 16.02 -216.89 | 564.87 15.89 -288.53 | 523.53 14.01 -271.95 | 529.47 12.10 -315.67 | 351.61 7.91 -209.69 | 130.36 5.08 -32.78 | 75.38 3.45 0.00 |
| COOPERNY_115KV_TB1 80082 | 61.39 2.25 0.00 | 58.34 1.86 0.00 | 56.12 1.69 0.00 | 50.98 1.53 0.00 | 49.75 1.59 0.00 | 53.00 1.54 0.00 | 55.79 1.78 0.00 | 59.28 2.28 0.00 | 63.54 2.33 0.00 | 66.59 2.50 0.00 | 76.33 3.29 0.00 | 90.23 4.30 0.00 | 119.35 6.33 0.00 | 148.46 8.46 -1.25 | 175.98 9.93 -3.34 | 198.43 10.57 -17.33 | 272.55 14.98 -27.19 | 311.88 16.28 -33.05 | 321.30 15.63 -45.22 | 286.76 13.30 -35.88 | 239.04 10.89 -26.45 | 152.53 6.30 -12.21 | 99.50 4.16 -2.84 | 74.59 2.66 0.00 |
| COPENHAGEN_WT_PWR 323753 | 61.33 2.19 0.00 | 58.28 1.81 0.00 | 56.01 1.58 0.00 | 50.68 1.24 0.00 | 49.31 1.15 0.00 | 53.00 1.54 0.00 | 55.69 1.68 0.00 | 58.77 1.77 0.00 | 62.92 1.71 0.00 | 65.44 1.35 0.00 | 75.01 1.97 0.00 | 88.26 2.32 0.00 | 115.73 2.71 0.00 | 139.17 0.42 0.00 | 162.51 0.00 0.21 | 170.87 0.34 0.00 | 232.01 1.62 0.00 | 265.96 3.40 0.00 | 266.17 5.72 0.00 | 245.65 8.08 0.00 | 209.17 7.47 0.00 | 141.38 7.37 0.00 | 97.58 5.08 0.00 | 75.09 3.16 0.00 |
| CORNELL_____ 23752 | 61.03 1.89 0.00 | 57.94 1.47 0.00 | 55.68 1.25 0.00 | 50.58 1.14 0.00 | 49.17 1.01 0.00 | 52.64 1.18 0.00 | 55.52 1.51 0.00 | 58.82 1.82 0.00 | 63.23 2.02 0.00 | 66.21 2.12 0.00 | 75.96 2.92 0.00 | 89.63 3.70 0.00 | 117.32 4.29 0.00 | 143.61 4.86 0.00 | 168.09 5.37 0.00 | 180.20 5.63 -4.05 | 244.62 7.14 -7.09 | 280.62 9.19 -8.88 | 283.89 10.42 -13.03 | 260.26 11.17 -11.52 | 219.58 9.88 -7.99 | 145.98 7.10 -4.86 | 98.43 4.81 -1.13 | 75.53 3.60 0.00 |

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| CORONA V_69 KV_TB1 355595 | 64.11 4.97 0.00 | 61.11 4.63 0.00 | 58.13 3.70 0.00 | 52.71 3.26 0.00 | 51.48 3.32 0.00 | 54.75 3.29 0.00 | 57.85 3.83 0.00 | 61.56 4.56 0.00 | 65.50 4.28 0.00 | 68.44 4.36 0.01 | 79.17 6.14 0.00 | 95.10 9.11 -0.05 | 135.10 13.11 -8.96 | 160.96 17.34 -4.87 | 209.29 20.01 -26.56 | 288.99 21.83 -96.64 | 371.00 29.72 -110.89 | 421.92 33.08 -126.28 | 374.56 31.77 -82.35 | 324.46 27.56 -59.33 | 269.62 21.18 -46.74 | 171.12 13.40 -23.70 | 114.15 9.16 -12.50 | 103.78 6.33 -25.52 |
| CORTLAND_115KV_TB3 80093 | 60.38 1.24 0.00 | 57.38 0.90 0.00 | 55.14 0.71 0.00 | 50.09 0.64 0.00 | 48.74 0.58 0.00 | 52.18 0.72 0.00 | 54.93 0.92 0.00 | 58.20 1.20 0.00 | 62.56 1.35 0.00 | 65.57 1.47 0.00 | 75.23 2.19 0.00 | 88.86 2.92 0.00 | 116.53 3.50 0.00 | 142.64 3.89 0.00 | 167.11 4.39 0.00 | 178.04 4.43 -3.09 | 241.32 5.53 -5.40 | 276.15 6.83 -6.77 | 277.26 7.55 -9.26 | 250.81 7.84 -5.40 | 208.76 7.06 0.00 | 139.11 5.09 0.00 | 95.92 3.42 0.00 | 74.45 2.52 0.00 |
| COXSACKIE__GT 23611 | 63.63 4.49 0.00 | 60.32 3.84 0.00 | 57.86 3.43 0.00 | 52.41 2.97 0.00 | 51.05 2.89 0.00 | 54.70 3.24 0.00 | 57.42 3.40 0.00 | 60.42 3.42 0.00 | 64.64 3.43 0.00 | 67.04 2.95 0.00 | 76.81 3.80 0.02 | 88.45 4.47 1.95 | 107.65 6.44 11.82 | 111.05 8.89 36.58 | 102.69 11.07 71.10 | 107.31 12.62 75.83 | 157.31 17.98 91.06 | 231.59 22.30 53.27 | 265.44 23.17 18.18 | 304.43 20.91 -45.95 | 195.10 18.76 25.36 | 123.78 12.07 22.31 | 102.87 7.03 -3.35 | 77.18 5.25 0.00 |
| CPV_VALLEY__CC1 323721 | 61.62 2.48 0.00 | 58.62 2.15 0.00 | 56.22 1.79 0.00 | 51.07 1.63 0.00 | 49.84 1.68 0.00 | 53.11 1.65 0.00 | 55.95 1.94 0.00 | 59.57 2.57 0.00 | 63.78 2.57 0.00 | 66.85 2.75 0.00 | 76.69 3.65 0.00 | 90.66 4.72 0.00 | 120.15 7.12 0.00 | 150.33 9.71 -1.87 | 179.25 11.55 -4.98 | 204.83 12.80 -21.52 | 280.65 17.29 -32.97 | 321.50 19.16 -39.79 | 332.05 17.96 -53.64 | 294.61 15.22 -41.83 | 245.84 12.10 -32.04 | 154.69 6.96 -13.71 | 100.21 4.53 -3.19 | 74.38 2.45 0.00 |
| CPV_VALLEY__CC2 323722 | 61.62 2.48 0.00 | 58.62 2.15 0.00 | 56.22 1.79 0.00 | 51.07 1.63 0.00 | 49.84 1.68 0.00 | 53.11 1.65 0.00 | 55.95 1.94 0.00 | 59.57 2.57 0.00 | 63.78 2.57 0.00 | 66.85 2.75 0.00 | 76.69 3.65 0.00 | 90.66 4.72 0.00 | 120.15 7.12 0.00 | 150.33 9.71 -1.87 | 179.25 11.55 -4.98 | 204.83 12.80 -21.52 | 280.65 17.29 -32.97 | 321.50 19.16 -39.79 | 332.05 17.96 -53.64 | 294.61 15.22 -41.83 | 245.84 12.10 -32.04 | 154.69 6.96 -13.71 | 100.21 4.53 -3.19 | 74.38 2.45 0.00 |
| CRESCENT__HYD 24018 | 62.10 2.96 0.00 | 59.13 2.65 0.00 | 56.72 2.29 0.00 | 51.42 1.98 0.00 | 50.18 2.02 0.00 | 53.52 2.06 0.00 | 56.17 2.16 0.00 | 59.45 2.45 0.00 | 63.72 2.51 0.00 | 66.66 2.57 0.00 | 76.56 3.51 -0.02 | 90.15 4.21 0.00 | 119.12 6.10 0.00 | 165.11 7.90 -18.45 | 221.94 9.93 -49.30 | 313.48 10.75 -132.20 | 429.75 14.29 -185.07 | 495.46 16.02 -216.89 | 564.87 15.89 -288.53 | 523.53 14.01 -271.95 | 529.47 12.10 -315.67 | 351.61 7.91 -209.69 | 130.36 5.08 -32.78 | 75.38 3.45 0.00 |
| CRICKET__VALLEY_CC1 323756 | 62.04 2.90 0.00 | 59.02 2.54 0.00 | 56.50 2.07 0.00 | 51.27 1.83 0.00 | 50.09 1.93 0.00 | 53.37 1.91 0.00 | 56.17 2.16 0.00 | 59.79 2.79 0.00 | 63.97 2.76 0.00 | 67.04 2.95 0.00 | 77.20 4.16 0.00 | 91.01 5.07 0.00 | 120.60 7.57 0.00 | 152.44 10.12 -3.57 | 184.78 12.53 -9.54 | 216.45 13.65 -32.28 | 296.36 18.44 -47.53 | 339.42 20.22 -56.65 | 353.96 18.76 -74.75 | 311.75 15.92 -58.26 | 264.90 13.10 -50.09 | 170.68 7.64 -29.03 | 102.09 4.90 -4.69 | 74.88 2.95 0.00 |
| CRICKET__VALLEY_CC2 323757 | 62.04 2.90 0.00 | 59.02 2.54 0.00 | 56.50 2.07 0.00 | 51.27 1.83 0.00 | 50.09 1.93 0.00 | 53.37 1.91 0.00 | 56.17 2.16 0.00 | 59.79 2.79 0.00 | 63.97 2.76 0.00 | 67.04 2.95 0.00 | 77.20 4.16 0.00 | 91.01 5.07 0.00 | 120.60 7.57 0.00 | 152.44 10.12 -3.57 | 184.78 12.53 -9.54 | 216.45 13.65 -32.28 | 296.36 18.44 -47.53 | 339.42 20.22 -56.65 | 353.96 18.76 -74.75 | 311.75 15.92 -58.26 | 264.90 13.10 -50.09 | 170.68 7.64 -29.03 | 102.09 4.90 -4.69 | 74.88 2.95 0.00 |
| CRICKET__VALLEY_CC3 323758 | 62.04 2.90 0.00 | 59.02 2.54 0.00 | 56.50 2.07 0.00 | 51.27 1.83 0.00 | 50.09 1.93 0.00 | 53.37 1.91 0.00 | 56.17 2.16 0.00 | 59.79 2.79 0.00 | 63.97 2.76 0.00 | 67.04 2.95 0.00 | 77.20 4.16 0.00 | 91.01 5.07 0.00 | 120.60 7.57 0.00 | 152.44 10.12 -3.57 | 184.78 12.53 -9.54 | 216.45 13.65 -32.28 | 296.36 18.44 -47.53 | 339.42 20.22 -56.65 | 353.96 18.76 -74.75 | 311.75 15.92 -58.26 | 264.90 13.10 -50.09 | 170.68 7.64 -29.03 | 102.09 4.90 -4.69 | 74.88 2.95 0.00 |
| CRUCIBLE_METL_DRP 24180 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.91 0.88 0.00 | 87.23 1.29 0.00 | 114.38 1.36 0.00 | 140.00 1.25 0.00 | 164.18 1.46 0.00 | 172.06 1.53 0.00 | 231.77 1.38 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.94 1.01 0.00 |
| DAHOWA__HYDRO 323763 | 63.28 4.14 0.00 | 60.14 3.67 0.00 | 57.59 3.16 0.00 | 52.16 2.72 0.00 | 50.85 2.70 0.00 | 54.34 2.88 0.00 | 57.09 3.08 0.00 | 60.30 3.30 0.00 | 64.57 3.36 0.00 | 67.36 3.27 0.00 | 76.99 3.94 -0.01 | 90.83 4.90 0.00 | 120.15 7.12 0.00 | 159.99 9.16 -12.08 | 206.21 11.22 -32.28 | 296.37 12.28 -113.56 | 415.62 16.81 -168.43 | 483.45 19.70 -201.20 | 563.85 21.09 -282.32 | 545.37 19.48 -288.32 | 539.19 17.14 -320.35 | 353.13 11.26 -207.85 | 137.56 7.49 -37.58 | 76.89 4.96 0.00 |
| DANC__LFGE 323619 | 60.03 0.89 0.00 | 57.10 0.62 0.00 | 54.86 0.43 0.00 | 49.69 0.25 0.00 | 48.40 0.24 0.00 | 51.92 0.46 0.00 | 54.55 0.54 0.00 | 57.63 0.63 0.00 | 61.82 0.61 0.00 | 64.48 0.39 0.00 | 73.84 0.80 0.00 | 87.05 1.11 0.00 | 114.15 1.13 0.00 | 138.20 -0.55 0.00 | 161.75 -0.97 0.00 | 169.68 -0.85 0.00 | 229.93 -0.46 0.00 | 263.08 0.53 0.00 | 262.78 2.34 0.00 | 241.61 4.03 0.00 | 205.74 4.03 0.00 | 138.18 4.16 0.00 | 95.36 2.87 0.00 | 73.51 1.58 0.00 |
| DANSKAMMER__1 23586 | 62.98 3.84 0.00 | 59.86 3.39 0.00 | 57.31 2.88 0.00 | 52.01 2.57 0.00 | 50.76 2.60 0.00 | 54.13 2.67 0.00 | 57.03 3.02 0.00 | 60.76 3.76 0.00 | 65.13 3.92 0.00 | 68.26 4.16 0.00 | 78.52 5.48 0.00 | 92.98 7.05 0.00 | 123.20 10.18 0.00 | 154.35 13.61 -2.00 | 184.32 16.27 -5.33 | 212.79 17.90 -24.37 | 292.43 24.41 -37.63 | 335.13 27.05 -45.53 | 348.00 25.79 -61.77 | 308.48 22.10 -48.81 | 256.81 17.75 -37.35 | 161.01 10.46 -16.53 | 103.36 7.03 -3.85 | 76.47 4.53 0.00 |
| DANSKAMMER__2 23589 | 62.98 3.84 0.00 | 59.86 3.39 0.00 | 57.31 2.88 0.00 | 52.01 2.57 0.00 | 50.76 2.60 0.00 | 54.13 2.67 0.00 | 57.03 3.02 0.00 | 60.76 3.76 0.00 | 65.13 3.92 0.00 | 68.26 4.16 0.00 | 78.52 5.48 0.00 | 92.98 7.05 0.00 | 123.20 10.18 0.00 | 154.35 13.61 -2.00 | 184.32 16.27 -5.33 | 212.79 17.90 -24.37 | 292.43 24.41 -37.63 | 335.13 27.05 -45.53 | 348.00 25.79 -61.77 | 308.48 22.10 -48.81 | 256.81 17.75 -37.35 | 161.01 10.46 -16.53 | 103.36 7.03 -3.85 | 76.47 4.53 0.00 |
| DANSKAMMER__3 23590 | 62.98 3.84 0.00 | 59.86 3.39 0.00 | 57.31 2.88 0.00 | 52.01 2.57 0.00 | 50.76 2.60 0.00 | 54.13 2.67 0.00 | 57.03 3.02 0.00 | 60.76 3.76 0.00 | 65.13 3.92 0.00 | 68.26 4.16 0.00 | 78.52 5.48 0.00 | 92.98 7.05 0.00 | 123.20 10.18 0.00 | 154.35 13.61 -2.00 | 184.32 16.27 -5.33 | 212.79 17.90 -24.37 | 292.43 24.41 -37.63 | 335.13 27.05 -45.53 | 348.00 25.79 -61.77 | 308.48 22.10 -48.81 | 256.81 17.75 -37.35 | 161.01 10.46 -16.53 | 103.36 7.03 -3.85 | 76.47 4.53 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------------------|--------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|------------------------|
| DANSKAMMER___4 23591 | 62.98 3.84 0.00 | 59.86 3.39 0.00 | 57.31 2.88 0.00 | 52.01 2.57 0.00 | 50.76 2.60 0.00 | 54.13 2.67 0.00 | 57.03 3.02 0.00 | 60.76 3.76 0.00 | 65.13 3.92 0.00 | 68.26 4.16 0.00 | 78.52 5.48 0.00 | 92.98 7.05 0.00 | 123.20 10.18 0.00 | 154.35 13.61 -2.00 | 184.32 16.27 -5.33 | 212.79 17.90 -24.37 | 292.43 24.41 -37.63 | 335.13 27.05 -45.53 | 348.00 25.79 -61.77 | 308.48 22.10 -48.81 | 256.81 17.75 -37.35 | 161.01 10.46 -16.53 | 103.36 7.03 -3.85 | 76.47 4.53 0.00 |
| DANSKAMMER___DIESEL 23592 | 62.98 3.84 0.00 | 59.75 3.28 0.00 | 57.31 2.88 0.00 | 52.01 2.57 0.00 | 50.76 2.60 0.00 | 54.14 2.68 0.00 | 57.04 3.02 0.00 | 60.76 3.76 0.00 | 65.13 3.92 0.00 | 68.26 4.17 0.00 | 78.52 5.48 0.00 | 92.98 7.05 0.00 | 123.08 10.06 0.00 | 154.34 13.60 -2.00 | 184.00 15.95 -5.33 | 212.45 17.56 -24.37 | 292.44 24.42 -37.63 | 335.12 27.04 -45.53 | 348.00 25.78 -61.77 | 308.47 22.09 -48.81 | 256.81 17.75 -37.35 | 161.00 10.45 -16.53 | 103.28 6.94 -3.85 | 76.89 4.96 0.00 |
| DARBY___SOLAR 323810 | 62.98 3.84 0.00 | 59.92 3.45 0.00 | 57.42 2.99 0.00 | 51.96 2.52 0.00 | 50.66 2.50 0.00 | 54.13 2.67 0.00 | 56.87 2.86 0.00 | 60.07 3.08 0.00 | 64.33 3.12 0.00 | 67.11 3.01 0.00 | 76.78 3.72 -0.01 | 90.49 4.55 0.00 | 119.69 6.67 0.00 | 160.25 8.61 -12.90 | 207.73 10.57 -34.45 | 298.11 11.60 -115.98 | 416.90 15.88 -170.63 | 484.50 18.64 -203.30 | 563.50 19.78 -283.27 | 542.31 18.29 -286.44 | 537.63 15.93 -319.99 | 352.71 10.46 -208.24 | 136.52 7.03 -37.00 | 76.54 4.61 0.00 |
| DASHVILLE___HYD 23610 | 62.75 3.61 0.00 | 59.53 3.05 0.00 | 57.21 2.78 0.00 | 51.92 2.47 0.00 | 50.66 2.50 0.00 | 53.98 2.52 0.00 | 56.87 2.86 0.00 | 60.48 3.48 0.00 | 64.76 3.55 0.00 | 67.87 3.78 0.00 | 78.29 5.26 0.00 | 92.17 6.70 0.47 | 119.90 9.72 2.85 | 144.82 13.18 7.11 | 165.60 15.46 12.57 | 187.77 16.88 -0.36 | 260.50 23.73 -6.38 | 310.08 26.26 -21.27 | 326.96 25.26 -41.25 | 304.48 20.91 -46.01 | 239.77 17.55 -20.51 | 153.15 10.32 -8.82 | 101.72 5.83 -3.40 | 76.32 4.39 0.00 |
| DELAWARE___LFGE 323621 | 61.45 2.31 0.00 | 58.40 1.92 0.00 | 56.50 2.07 0.00 | 51.27 1.83 0.00 | 49.99 1.83 0.00 | 53.42 1.96 0.00 | 55.95 1.94 0.00 | 59.22 2.22 0.00 | 63.60 2.39 0.00 | 66.59 2.50 0.00 | 76.47 3.43 0.00 | 90.32 4.38 0.00 | 119.01 5.99 0.00 | 146.38 7.63 0.00 | 171.34 8.62 0.00 | 192.76 8.70 -13.54 | 266.06 11.98 -23.70 | 305.63 13.39 -29.68 | 318.41 13.28 -44.68 | 293.99 12.12 -44.30 | 249.36 10.49 -37.17 | 163.47 6.83 -22.62 | 102.38 4.62 -5.26 | 75.10 3.16 0.00 |
| DERFIELD_115KV_TB7 355931 | 59.61 0.47 0.00 | 56.81 0.34 0.00 | 54.76 0.33 0.00 | 49.74 0.30 0.00 | 48.45 0.29 0.00 | 51.77 0.31 0.00 | 54.33 0.32 0.00 | 57.40 0.40 0.00 | 61.64 0.43 0.00 | 64.54 0.45 0.00 | 73.70 0.66 0.00 | 86.88 0.95 0.00 | 114.38 1.36 0.00 | 140.56 1.80 0.00 | 165.19 1.95 -0.52 | 172.57 2.05 0.00 | 233.15 2.76 0.00 | 265.70 3.15 0.00 | 263.57 3.13 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 135.49 1.47 0.00 | 93.51 1.02 0.00 | 72.58 0.65 0.00 |
| DOGLEVILLE___HYD 23807 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.70 0.27 0.00 | 49.64 0.20 0.00 | 48.40 0.24 0.00 | 51.77 0.31 0.00 | 54.44 0.43 0.00 | 57.51 0.51 0.00 | 61.76 0.55 0.00 | 64.67 0.58 0.00 | 73.91 0.88 0.00 | 86.88 0.95 0.00 | 114.15 1.13 0.00 | 139.86 1.11 0.00 | 164.05 0.81 -0.52 | 171.21 0.68 0.00 | 230.85 0.46 0.00 | 263.60 1.05 0.00 | 262.27 1.82 0.00 | 239.47 1.90 0.00 | 203.52 1.82 0.00 | 135.36 1.34 0.00 | 93.70 1.20 0.00 | 72.79 0.86 0.00 |
| DUNKIRK__115KV_TB_200 55889 | 59.85 0.71 0.00 | 56.81 0.34 0.00 | 54.10 -0.33 0.00 | 49.44 0.00 0.00 | 47.82 -0.34 0.00 | 51.20 -0.26 0.00 | 54.77 0.76 0.00 | 57.34 0.34 0.00 | 62.07 0.86 0.00 | 65.31 1.22 0.00 | 75.38 2.34 0.00 | 90.15 4.21 0.00 | 116.42 3.39 0.00 | 140.00 1.25 0.00 | 162.07 -0.65 0.00 | 172.41 -1.02 -2.91 | 228.80 -6.68 -5.09 | 262.37 -6.56 -6.38 | 264.48 -4.69 -8.73 | 241.71 -0.95 -5.09 | 203.32 1.61 0.00 | 137.64 3.62 0.00 | 95.82 3.33 0.00 | 75.89 3.96 0.00 |
| DUNKIRK___1 23563 | 59.85 0.71 0.00 | 56.81 0.34 0.00 | 54.10 -0.33 0.00 | 49.44 0.00 0.00 | 47.82 -0.34 0.00 | 51.20 -0.26 0.00 | 54.77 0.76 0.00 | 57.34 0.34 0.00 | 62.07 0.86 0.00 | 65.31 1.22 0.00 | 75.38 2.34 0.00 | 90.15 4.21 0.00 | 116.42 3.39 0.00 | 140.00 1.25 0.00 | 162.07 -0.65 0.00 | 172.41 -1.02 -2.91 | 228.80 -6.68 -5.09 | 262.37 -6.56 -6.38 | 264.48 -4.69 -8.73 | 241.71 -0.95 -5.09 | 203.32 1.61 0.00 | 137.64 3.62 0.00 | 95.82 3.33 0.00 | 75.89 3.96 0.00 |
| DUNKIRK___2 23564 | 59.85 0.71 0.00 | 56.81 0.34 0.00 | 54.10 -0.33 0.00 | 49.44 0.00 0.00 | 47.82 -0.34 0.00 | 51.20 -0.26 0.00 | 54.77 0.76 0.00 | 57.34 0.34 0.00 | 62.07 0.86 0.00 | 65.31 1.22 0.00 | 75.38 2.34 0.00 | 90.15 4.21 0.00 | 116.42 3.39 0.00 | 140.00 1.25 0.00 | 162.07 -0.65 0.00 | 172.41 -1.02 -2.91 | 228.80 -6.68 -5.09 | 262.37 -6.56 -6.38 | 264.48 -4.69 -8.73 | 241.71 -0.95 -5.09 | 203.32 1.61 0.00 | 137.64 3.62 0.00 | 95.82 3.33 0.00 | 75.89 3.96 0.00 |
| DUNKIRK___3 23565 | 59.67 0.53 0.00 | 56.70 0.23 0.00 | 53.94 -0.49 0.00 | 49.34 -0.10 0.00 | 47.68 -0.48 0.00 | 51.00 -0.46 0.00 | 54.55 0.54 0.00 | 57.00 0.00 0.00 | 61.64 0.43 0.00 | 64.86 0.77 0.00 | 74.86 1.83 0.00 | 89.55 3.61 0.00 | 115.51 2.49 0.00 | 138.89 0.14 0.00 | 160.93 -1.79 0.00 | 171.20 -2.22 -2.90 | 226.93 -8.52 -5.07 | 260.50 -8.40 -6.35 | 262.36 -6.77 -8.69 | 239.79 -2.85 -5.07 | 201.50 -0.20 0.00 | 136.43 2.41 0.00 | 95.08 2.59 0.00 | 75.31 3.38 0.00 |
| DUNKIRK___4 23566 | 59.67 0.53 0.00 | 56.70 0.23 0.00 | 53.94 -0.49 0.00 | 49.34 -0.10 0.00 | 47.68 -0.48 0.00 | 51.00 -0.46 0.00 | 54.55 0.54 0.00 | 57.00 0.00 0.00 | 61.64 0.43 0.00 | 64.86 0.77 0.00 | 74.86 1.83 0.00 | 89.55 3.61 0.00 | 115.51 2.49 0.00 | 138.89 0.14 0.00 | 160.93 -1.79 0.00 | 171.20 -2.22 -2.90 | 226.93 -8.52 -5.07 | 260.50 -8.40 -6.35 | 262.36 -6.77 -8.69 | 239.79 -2.85 -5.07 | 201.50 -0.20 0.00 | 136.43 2.41 0.00 | 95.08 2.59 0.00 | 75.31 3.38 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 63.10 3.96 0.00 | 59.98 3.50 0.00 | 57.42 2.99 0.00 | 52.16 2.72 0.00 | 51.00 2.84 0.00 | 54.24 2.78 0.00 | 57.31 3.29 0.00 | 61.16 4.16 0.00 | 65.50 4.28 0.00 | 68.64 4.55 0.00 | 78.81 5.77 0.00 | 93.33 7.39 0.00 | 123.76 10.74 0.00 | 155.91 14.57 -2.60 | 186.74 17.09 -6.93 | 215.92 18.76 -26.64 | 296.30 25.80 -40.11 | 339.06 28.36 -48.15 | 351.47 26.83 -64.20 | 309.98 22.81 -49.60 | 259.33 18.15 -39.47 | 165.22 10.45 -20.75 | 102.96 6.66 -3.80 | 76.25 4.32 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 62.57 3.43 0.00 | 59.36 2.88 0.00 | 56.99 2.56 0.00 | 51.72 2.27 0.00 | 50.52 2.36 0.00 | 53.83 2.37 0.00 | 56.71 2.70 0.00 | 60.42 3.42 0.00 | 64.76 3.55 0.00 | 67.87 3.78 0.00 | 77.93 4.89 0.00 | 92.21 6.27 0.00 | 122.18 9.15 0.00 | 152.99 12.49 -1.76 | 182.05 14.64 -4.69 | 209.45 16.03 -22.90 | 288.63 22.58 -35.67 | 330.75 24.94 -43.26 | 343.14 23.70 -58.99 | 304.61 20.19 -46.84 | 253.13 16.14 -35.29 | 159.42 9.38 -16.02 | 102.42 6.20 -3.73 | 76.10 4.17 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 63.47 4.32 -0.01 | 60.49 4.01 -0.01 | 57.92 3.48 -0.01 | 52.67 3.21 -0.01 | 51.54 3.37 -0.01 | 54.60 3.14 0.00 | 57.79 3.78 0.00 | 61.73 4.73 0.00 | 65.86 4.65 0.00 | 69.03 4.94 0.00 | 78.35 5.70 0.39 | 91.84 7.30 1.40 | 123.52 10.96 0.47 | 151.94 15.12 1.93 | 187.07 17.41 -6.94 | 216.44 19.27 -26.65 | 297.47 26.96 -40.12 | 339.33 28.62 -48.16 | 342.85 27.09 -55.32 | 309.75 22.57 -49.61 | 258.93 17.75 -39.48 | 164.42 9.65 -20.76 | 102.50 6.20 -3.81 | 75.90 3.96 -0.01 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|-------------------------|
| E179THST_13_KV_LOAD 356214 | 63.94 4.79 -0.01 | 60.89 4.41 -0.01 | 58.30 3.86 -0.01 | 53.01 3.56 -0.01 | 51.83 3.66 -0.01 | 54.91 3.45 0.00 | 58.17 4.16 0.00 | 62.19 5.19 0.00 | 66.35 5.14 0.00 | 69.54 5.45 0.00 | 78.93 6.28 0.39 | 92.62 8.08 1.40 | 124.53 11.98 0.47 | 153.19 16.37 1.93 | 188.53 18.88 -6.94 | 217.98 20.80 -26.65 | 299.54 29.03 -40.12 | 341.95 31.24 -48.16 | 345.45 29.69 -55.32 | 312.12 24.95 -49.61 | 260.75 19.57 -39.48 | 165.63 10.86 -20.76 | 103.33 7.03 -3.81 | 76.54 4.60 -0.01 |
| EAST HAMPTON___GT 23717 | 65.65 6.51 0.00 | 62.80 6.32 0.00 | 59.22 4.79 0.00 | 53.30 3.86 0.00 | 51.96 3.80 0.00 | 55.32 3.86 0.00 | 58.17 4.16 0.00 | 62.64 5.64 0.00 | 66.84 5.63 0.00 | 69.82 5.77 0.05 | 82.10 9.05 0.00 | 99.43 13.49 0.00 | 133.33 19.77 -0.53 | 164.11 24.70 -0.66 | 248.68 26.20 -59.76 | 272.09 28.13 -73.44 | 309.94 36.39 -43.17 | 371.77 40.94 -68.27 | 357.28 38.54 -58.29 | 310.40 31.60 -41.22 | 257.30 22.39 -33.21 | 171.55 19.30 -18.23 | 107.92 11.09 -4.34 | 80.69 7.19 -1.57 |
| EAST RIVER___6 23660 | 63.34 4.20 0.00 | 60.37 3.89 0.00 | 57.69 3.27 0.00 | 52.41 2.97 0.00 | 51.24 3.08 0.00 | 54.44 2.98 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.86 4.65 0.00 | 69.16 5.06 0.00 | 79.18 6.14 0.00 | 93.76 7.82 0.00 | 124.67 11.64 0.00 | 156.88 15.54 -2.60 | 188.19 18.54 -6.93 | 217.79 20.62 -26.64 | 298.36 27.87 -40.11 | 340.88 30.18 -48.15 | 353.29 28.65 -64.20 | 311.41 24.24 -49.60 | 260.13 18.95 -39.47 | 165.35 10.58 -20.75 | 103.04 6.75 -3.80 | 75.81 3.88 0.00 |
| EAST RIVER___7 23524 | 63.34 4.20 0.00 | 60.37 3.89 0.00 | 57.69 3.27 0.00 | 52.41 2.97 0.00 | 51.24 3.08 0.00 | 54.44 2.98 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.86 4.65 0.00 | 69.16 5.06 0.00 | 79.18 6.14 0.00 | 93.76 7.82 0.00 | 124.67 11.64 0.00 | 156.88 15.54 -2.60 | 188.19 18.54 -6.93 | 217.79 20.62 -26.64 | 298.36 27.87 -40.11 | 340.88 30.18 -48.15 | 353.29 28.65 -64.20 | 311.41 24.24 -49.60 | 260.13 18.95 -39.47 | 165.35 10.58 -20.75 | 103.04 6.75 -3.80 | 75.81 3.88 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 62.93 3.79 0.00 | 59.81 3.33 0.00 | 57.31 2.88 0.00 | 52.06 2.62 0.00 | 50.85 2.70 0.00 | 54.09 2.62 0.00 | 57.14 3.13 0.00 | 60.99 3.99 0.00 | 65.25 4.04 0.00 | 68.45 4.36 0.00 | 78.59 5.55 0.00 | 92.98 7.05 0.00 | 123.42 10.40 0.00 | 155.35 14.01 -2.59 | 186.06 16.43 -6.91 | 215.18 18.08 -26.58 | 295.52 25.11 -40.02 | 338.16 27.57 -48.04 | 350.55 26.04 -64.06 | 309.16 22.09 -49.50 | 258.64 17.55 -39.38 | 164.77 10.05 -20.70 | 102.76 6.47 -3.80 | 76.10 4.17 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 65.59 6.45 0.00 | 62.74 6.27 0.00 | 59.16 4.73 0.00 | 53.25 3.81 0.00 | 51.92 3.76 0.00 | 55.27 3.81 0.00 | 58.11 4.10 0.00 | 62.59 5.59 0.00 | 66.78 5.57 0.00 | 69.75 5.70 0.05 | 82.02 8.98 0.00 | 99.34 13.40 0.00 | 133.33 19.77 -0.53 | 163.97 24.56 -0.66 | 248.34 25.87 -59.75 | 271.77 27.81 -73.44 | 309.72 36.17 -43.17 | 371.24 40.42 -68.27 | 356.76 38.02 -58.29 | 309.91 31.11 -41.22 | 257.10 22.19 -33.21 | 171.27 19.02 -18.23 | 107.83 11.00 -4.34 | 80.62 7.12 -1.57 |
| EAST_POINT___SOLAR 323840 | 65.18 6.04 0.00 | 61.90 5.42 0.00 | 59.38 4.95 0.00 | 53.74 4.30 0.00 | 52.40 4.24 0.00 | 56.19 4.73 0.00 | 58.11 4.10 0.00 | 59.96 2.96 0.00 | 63.48 2.27 0.00 | 65.76 1.66 0.00 | 75.38 2.34 -0.01 | 88.69 2.75 0.00 | 117.32 4.29 0.00 | 149.64 5.56 -5.34 | 183.97 6.99 -14.26 | 266.00 10.40 -85.07 | 380.85 14.97 -135.50 | 445.56 17.59 -165.41 | 526.71 21.09 -245.18 | 531.13 25.17 -268.39 | 511.60 24.19 -285.70 | 331.49 16.34 -181.13 | 140.81 11.28 -37.04 | 79.41 7.48 0.00 |
| EAST_PULASKI___ESR 323781 | 58.85 -0.29 0.00 | 55.97 -0.51 0.00 | 53.83 -0.60 0.00 | 48.85 -0.59 0.00 | 47.53 -0.63 0.00 | 50.90 -0.56 0.00 | 53.58 -0.43 0.00 | 56.60 -0.40 0.00 | 60.79 -0.43 0.00 | 63.65 -0.45 0.00 | 72.89 -0.15 0.00 | 85.94 0.00 0.00 | 112.80 -0.23 0.00 | 137.50 -1.25 0.00 | 160.93 -1.79 0.00 | 168.82 -1.71 0.00 | 228.31 -2.08 0.00 | 260.73 -1.83 0.00 | 259.41 -1.04 0.00 | 238.05 0.48 0.00 | 202.51 0.81 0.00 | 135.36 1.34 0.00 | 93.23 0.74 0.00 | 72.00 0.07 0.00 |
| EAST_RIVER___1 323558 | 63.46 4.31 0.00 | 60.43 3.95 0.00 | 57.75 3.32 0.00 | 52.46 3.02 0.00 | 51.29 3.13 0.00 | 54.55 3.09 0.00 | 57.69 3.67 0.00 | 61.73 4.73 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.24 6.20 0.00 | 93.84 7.90 0.00 | 124.78 11.75 0.00 | 157.02 15.67 -2.60 | 188.35 18.70 -6.93 | 217.96 20.80 -26.64 | 298.60 28.10 -40.11 | 341.40 30.70 -48.15 | 353.55 28.91 -64.20 | 311.87 24.71 -49.60 | 260.54 19.37 -39.47 | 165.49 10.73 -20.75 | 103.24 6.94 -3.80 | 75.96 4.03 0.00 |
| EAST_RIVER___2 323559 | 63.34 4.20 0.00 | 60.37 3.89 0.00 | 57.69 3.27 0.00 | 52.41 2.97 0.00 | 51.24 3.08 0.00 | 54.44 2.98 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.86 4.65 0.00 | 69.16 5.06 0.00 | 79.18 6.14 0.00 | 93.76 7.82 0.00 | 124.67 11.64 0.00 | 156.88 15.54 -2.60 | 188.19 18.54 -6.93 | 217.79 20.62 -26.64 | 298.36 27.87 -40.11 | 340.88 30.18 -48.15 | 353.29 28.65 -64.20 | 311.41 24.24 -49.60 | 260.13 18.95 -39.47 | 165.35 10.58 -20.75 | 103.04 6.75 -3.80 | 75.81 3.88 0.00 |
| EAST___DELAWARE_HYD 23607 | 62.63 3.49 0.00 | 59.52 3.05 0.00 | 57.04 2.61 0.00 | 51.72 2.28 0.00 | 50.47 2.31 0.00 | 53.88 2.42 0.00 | 56.76 2.75 0.00 | 60.42 3.42 0.00 | 64.76 3.55 0.00 | 67.81 3.72 0.00 | 77.86 4.82 0.00 | 92.05 6.27 0.15 | 121.26 9.15 0.92 | 150.05 12.21 0.91 | 177.00 14.65 0.37 | 201.69 16.21 -14.95 | 277.76 22.81 -24.56 | 322.23 25.75 -33.93 | 334.96 25.01 -49.51 | 301.90 21.62 -42.71 | 247.43 17.54 -28.19 | 161.63 10.46 -17.15 | 102.60 6.84 -3.26 | 76.10 4.17 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 59.73 0.59 0.00 | 56.48 0.00 0.00 | 53.94 -0.49 0.00 | 49.30 -0.15 0.00 | 47.77 -0.39 0.00 | 51.20 -0.26 0.00 | 54.55 0.54 0.00 | 57.34 0.34 0.00 | 61.64 0.43 0.00 | 64.73 0.64 0.00 | 74.64 1.60 0.00 | 88.69 2.75 0.00 | 114.27 1.25 0.00 | 138.34 -0.42 0.00 | 160.60 -2.12 0.00 | 170.84 -3.25 -3.56 | 229.92 -6.69 -6.22 | 264.32 -6.03 -7.80 | 268.73 -3.11 -11.40 | 249.66 2.13 -9.95 | 212.47 4.03 -6.73 | 143.20 5.09 -4.09 | 97.70 4.26 -0.95 | 74.95 3.02 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 59.14 0.00 0.00 | 56.25 -0.23 0.00 | 54.05 -0.38 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 56.94 -0.06 0.00 | 61.27 0.06 0.00 | 64.35 0.26 0.00 | 73.77 0.73 0.00 | 87.14 1.20 0.00 | 114.15 1.13 0.00 | 139.72 0.97 0.00 | 163.69 0.98 0.00 | 171.55 1.02 0.00 | 230.85 0.46 0.00 | 263.34 0.79 0.00 | 261.75 1.30 0.00 | 239.47 1.90 0.00 | 203.72 2.02 0.00 | 135.76 1.74 0.00 | 93.70 1.20 0.00 | 72.79 0.86 0.00 |
| ELEC_TRO_TEK 24086 | 63.52 4.38 0.00 | 60.66 4.18 0.00 | 57.70 3.27 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.39 2.93 0.00 | 57.41 3.40 0.00 | 61.16 4.16 0.00 | 65.07 3.86 0.00 | 67.87 3.78 0.01 | 78.44 5.40 0.00 | 94.12 8.16 -0.02 | 129.09 11.98 -4.09 | 157.16 15.82 -2.60 | 195.28 18.55 -14.02 | 249.58 20.12 -58.93 | 330.12 27.88 -71.86 | 381.86 30.98 -88.33 | 358.90 29.43 -69.02 | 312.60 25.42 -49.61 | 260.14 18.96 -39.48 | 166.70 11.93 -20.75 | 108.34 7.95 -7.90 | 89.42 5.47 -12.02 |
| ELLENBURG_WT_PWR 323604 | 56.60 -2.54 0.00 | 54.50 -1.98 0.00 | 52.80 -1.63 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.07 -1.39 0.00 | 52.44 -1.57 0.00 | 55.40 -1.60 0.00 | 59.56 -1.65 0.00 | 62.11 -1.99 0.00 | 69.97 -3.06 0.00 | 81.46 -4.47 0.00 | 106.92 -6.11 0.00 | 131.25 -7.49 0.01 | 152.15 -8.63 1.94 | 161.83 -8.69 0.00 | 219.56 -10.82 0.00 | 250.48 -12.07 0.00 | 248.99 -11.45 0.00 | 227.60 -9.97 0.00 | 193.04 -8.67 0.00 | 128.39 -5.62 0.00 | 89.17 -3.33 0.00 | 70.56 -1.37 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|------------------------|
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 59.44 0.30 0.00 | 56.59 0.11 0.00 | 53.83 -0.60 0.00 | 49.25 -0.20 0.00 | 47.48 -0.67 0.00 | 50.79 -0.67 0.00 | 54.23 0.22 0.00 | 56.43 -0.57 0.00 | 60.90 -0.31 0.00 | 64.16 0.06 0.00 | 73.99 0.95 0.00 | 88.51 2.58 0.00 | 113.93 0.90 0.00 | 136.81 -1.94 0.00 | 158.49 -4.23 0.00 | 168.31 -4.95 -2.73 | 222.50 -12.67 -4.78 | 255.15 -13.39 -5.99 | 256.66 -11.98 -8.20 | 234.51 -7.84 -4.78 | 197.67 -4.03 0.00 | 134.15 0.13 0.00 | 93.42 0.92 0.00 | 74.52 2.59 0.00 |
| EMPIRE_CC_1 323656 | 61.03 1.89 0.00 | 58.05 1.58 0.00 | 55.73 1.30 0.00 | 50.68 1.24 0.00 | 49.46 1.30 0.00 | 52.69 1.23 0.00 | 55.25 1.24 0.00 | 58.48 1.48 0.00 | 62.62 1.41 0.00 | 65.57 1.48 0.00 | 75.33 2.27 -0.02 | 88.51 2.58 0.00 | 116.98 3.95 0.00 | 158.88 5.41 -14.72 | 209.04 6.99 -39.33 | 265.02 7.49 -87.00 | 355.62 9.90 -115.34 | 406.13 11.03 -132.55 | 433.90 10.15 -163.31 | 372.50 8.54 -126.39 | 355.91 7.47 -146.74 | 261.19 4.56 -122.61 | 107.01 2.87 -11.64 | 73.73 1.80 0.00 |
| EMPIRE_CC_2 323658 | 61.03 1.89 0.00 | 58.05 1.58 0.00 | 55.73 1.30 0.00 | 50.68 1.24 0.00 | 49.46 1.30 0.00 | 52.69 1.23 0.00 | 55.25 1.24 0.00 | 58.48 1.48 0.00 | 62.62 1.41 0.00 | 65.57 1.48 0.00 | 75.33 2.27 -0.02 | 88.51 2.58 0.00 | 116.98 3.95 0.00 | 158.88 5.41 -14.72 | 209.04 6.99 -39.33 | 265.02 7.49 -87.00 | 355.62 9.90 -115.34 | 406.13 11.03 -132.55 | 433.90 10.15 -163.31 | 372.50 8.54 -126.39 | 355.91 7.47 -146.74 | 261.19 4.56 -122.61 | 107.01 2.87 -11.64 | 73.73 1.80 0.00 |
| ENORWICH_115KV_TB1 80156 | 64.52 5.38 0.00 | 61.11 4.63 0.00 | 58.67 4.25 0.00 | 53.20 3.76 0.00 | 51.72 3.56 0.00 | 55.63 4.17 0.00 | 58.66 4.64 0.00 | 62.13 5.13 0.00 | 66.66 5.45 0.00 | 69.35 5.26 0.00 | 79.90 6.87 0.00 | 94.53 8.59 0.00 | 123.76 10.74 0.00 | 151.38 12.63 0.00 | 177.20 14.48 0.00 | 193.09 15.35 -7.21 | 264.67 21.66 -12.63 | 304.89 26.52 -15.82 | 312.34 28.39 -23.51 | 287.46 27.80 -22.09 | 243.39 24.61 -17.08 | 161.03 16.62 -10.39 | 106.19 11.28 -2.42 | 80.13 8.20 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 59.55 0.41 0.00 | 56.59 0.11 0.00 | 53.72 -0.71 0.00 | 49.10 -0.35 0.00 | 47.48 -0.67 0.00 | 50.79 -0.67 0.00 | 54.28 0.27 0.00 | 56.60 -0.40 0.00 | 61.21 0.00 0.00 | 64.48 0.38 0.00 | 74.50 1.46 0.00 | 89.12 3.18 0.00 | 115.06 2.03 0.00 | 138.33 -0.42 0.00 | 160.44 -2.28 0.00 | 170.81 -2.56 -2.84 | 226.61 -8.75 -4.98 | 259.60 -9.19 -6.24 | 261.42 -7.55 -8.53 | 238.27 -4.28 -4.98 | 200.09 -1.61 0.00 | 135.22 1.21 0.00 | 94.16 1.66 0.00 | 74.74 2.81 0.00 |
| ERIE_WT_PWR 323693 | 59.73 0.59 0.00 | 56.87 0.40 0.00 | 53.99 -0.44 0.00 | 49.39 -0.05 0.00 | 47.63 -0.53 0.00 | 50.90 -0.56 0.00 | 54.50 0.49 0.00 | 56.60 -0.40 0.00 | 61.21 0.00 0.00 | 64.48 0.39 0.00 | 74.35 1.32 0.00 | 89.03 3.09 0.00 | 114.39 1.36 0.00 | 137.79 -0.96 0.00 | 159.29 -3.42 0.00 | 168.22 -5.11 -2.81 | 224.47 -10.82 -4.91 | 257.42 -11.28 -6.15 | 258.43 -10.43 -8.42 | 236.55 -5.93 -4.91 | 199.29 -2.41 0.00 | 135.08 1.07 0.00 | 94.16 1.67 0.00 | 73.59 1.66 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 63.40 4.26 0.00 | 60.20 3.73 0.00 | 58.02 3.59 0.00 | 52.56 3.11 0.00 | 51.24 3.08 0.00 | 54.96 3.50 0.00 | 57.58 3.56 0.00 | 60.65 3.65 0.00 | 64.94 3.73 0.00 | 67.68 3.59 0.00 | 77.79 4.75 0.00 | 91.95 6.02 0.00 | 121.16 8.14 0.00 | 152.58 9.99 -3.84 | 184.53 11.55 -10.26 | 245.52 12.45 -62.55 | 347.28 17.05 -99.84 | 404.47 19.95 -121.96 | 462.18 21.36 -180.38 | 453.60 20.91 -195.13 | 425.02 18.36 -204.96 | 275.83 12.20 -129.62 | 127.56 8.51 -26.56 | 77.76 5.83 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 60.97 1.83 0.00 | 57.83 1.36 0.00 | 55.57 1.14 0.00 | 50.53 1.09 0.00 | 49.12 0.96 0.00 | 52.59 1.13 0.00 | 55.41 1.40 0.00 | 58.71 1.71 0.00 | 63.11 1.90 0.00 | 66.08 1.99 0.00 | 75.81 2.78 0.00 | 89.55 3.61 0.00 | 117.21 4.18 0.00 | 143.33 4.58 0.00 | 167.92 5.21 0.00 | 179.86 5.29 -4.05 | 244.38 6.91 -7.09 | 280.09 8.66 -8.88 | 283.36 9.90 -13.02 | 259.79 10.69 -11.53 | 219.20 9.48 -8.01 | 145.73 6.83 -4.88 | 98.25 4.62 -1.13 | 75.31 3.38 0.00 |
| ETNA____115KV_TB2 80207 | 60.97 1.83 0.00 | 57.83 1.36 0.00 | 55.57 1.14 0.00 | 50.53 1.09 0.00 | 49.12 0.96 0.00 | 52.59 1.13 0.00 | 55.41 1.40 0.00 | 58.71 1.71 0.00 | 63.11 1.90 0.00 | 66.08 1.99 0.00 | 75.81 2.78 0.00 | 89.55 3.61 0.00 | 117.21 4.18 0.00 | 143.33 4.58 0.00 | 167.92 5.21 0.00 | 179.86 5.29 -4.05 | 244.38 6.91 -7.09 | 280.09 8.66 -8.88 | 283.36 9.90 -13.02 | 259.79 10.69 -11.53 | 219.20 9.48 -8.01 | 145.73 6.83 -4.88 | 98.25 4.62 -1.13 | 75.31 3.38 0.00 |
| EUCLID__115KV_TB2 356179 | 58.79 -0.35 0.00 | 55.91 -0.56 0.00 | 53.78 -0.65 0.00 | 48.90 -0.54 0.00 | 47.53 -0.63 0.00 | 50.84 -0.62 0.00 | 53.52 -0.49 0.00 | 56.60 -0.40 0.00 | 60.90 -0.31 0.00 | 63.96 -0.13 0.00 | 73.33 0.29 0.00 | 86.62 0.69 0.00 | 113.59 0.57 0.00 | 139.17 0.42 0.00 | 162.88 0.16 0.00 | 170.69 0.17 0.00 | 229.93 -0.46 0.00 | 262.03 -0.53 0.00 | 260.18 -0.26 0.00 | 237.81 0.24 0.00 | 202.31 0.61 0.00 | 134.82 0.80 0.00 | 92.96 0.46 0.00 | 72.22 0.29 0.00 |
| E_CANADA_CAP_HY 24051 | 64.52 5.38 0.00 | 61.27 4.80 0.00 | 58.84 4.41 0.00 | 53.30 3.86 0.00 | 51.96 3.80 0.00 | 55.73 4.27 0.00 | 58.23 4.22 0.00 | 60.93 3.93 0.00 | 65.01 3.80 0.00 | 67.42 3.33 0.00 | 77.35 4.31 -0.01 | 91.27 5.33 0.00 | 120.48 7.46 0.00 | 153.01 9.30 -4.96 | 187.20 11.22 -13.26 | 263.12 13.13 -79.47 | 374.51 17.50 -126.62 | 437.89 20.74 -154.60 | 512.67 23.17 -229.05 | 511.48 23.75 -250.15 | 488.68 21.37 -265.60 | 316.67 14.35 -168.31 | 137.09 10.17 -34.43 | 78.54 6.61 0.00 |
| E_CANADA_MHWK_HY 24050 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.70 0.27 0.00 | 49.64 0.20 0.00 | 48.40 0.24 0.00 | 51.77 0.31 0.00 | 54.44 0.43 0.00 | 57.51 0.51 0.00 | 61.76 0.55 0.00 | 64.67 0.58 0.00 | 73.92 0.88 0.00 | 86.88 0.95 0.00 | 114.15 1.13 0.00 | 139.73 0.98 0.00 | 164.05 0.82 -0.52 | 171.21 0.68 0.00 | 230.85 0.46 0.00 | 263.61 1.05 0.00 | 262.28 1.84 0.00 | 239.46 1.89 0.00 | 203.52 1.81 0.00 | 135.36 1.34 0.00 | 93.69 1.20 0.00 | 72.65 0.72 0.00 |
| E_FISHKILL__LBMP 23776 | 62.39 3.25 0.00 | 59.24 2.77 0.00 | 56.88 2.45 0.00 | 51.62 2.18 0.00 | 50.42 2.26 0.00 | 53.67 2.21 0.00 | 56.60 2.59 0.00 | 60.30 3.31 0.00 | 64.52 3.31 0.00 | 67.68 3.59 0.00 | 77.71 4.67 0.00 | 91.78 5.84 0.00 | 121.73 8.70 0.00 | 153.21 11.79 -2.67 | 183.68 13.83 -7.13 | 212.95 15.18 -27.25 | 292.35 20.97 -41.00 | 334.86 23.10 -49.20 | 347.62 21.62 -65.56 | 306.70 18.53 -50.59 | 256.72 14.72 -40.30 | 163.77 8.58 -21.17 | 101.82 5.46 -3.87 | 75.53 3.60 0.00 |
| FALCON__SEABRD_CC1 323796 | 57.01 -2.13 0.00 | 54.89 -1.58 0.00 | 53.12 -1.31 0.00 | 48.40 -1.04 0.00 | 47.14 -1.01 0.00 | 50.48 -0.98 0.00 | 52.87 -1.14 0.00 | 55.91 -1.08 0.00 | 60.17 -1.04 0.00 | 62.68 -1.41 0.00 | 70.63 -2.41 0.00 | 82.07 -3.87 0.00 | 107.71 -5.31 0.00 | 132.22 -6.52 0.01 | 153.46 -7.32 1.94 | 163.20 -7.33 0.00 | 221.40 -8.99 0.00 | 252.58 -9.98 0.00 | 251.08 -9.37 0.00 | 229.49 -8.08 0.00 | 194.85 -6.86 0.00 | 129.46 -4.56 0.00 | 89.90 -2.59 0.00 | 71.28 -0.65 0.00 |
| FALCON__SEABRD_CC2 323797 | 57.01 -2.13 0.00 | 54.89 -1.58 0.00 | 53.12 -1.31 0.00 | 48.40 -1.04 0.00 | 47.14 -1.01 0.00 | 50.48 -0.98 0.00 | 52.87 -1.14 0.00 | 55.91 -1.08 0.00 | 60.17 -1.04 0.00 | 62.68 -1.41 0.00 | 70.63 -2.41 0.00 | 82.07 -3.87 0.00 | 107.71 -5.31 0.00 | 132.22 -6.52 0.01 | 153.46 -7.32 1.94 | 163.20 -7.33 0.00 | 221.40 -8.99 0.00 | 252.58 -9.98 0.00 | 251.08 -9.37 0.00 | 229.49 -8.08 0.00 | 194.85 -6.86 0.00 | 129.46 -4.56 0.00 | 89.90 -2.59 0.00 | 71.28 -0.65 0.00 |

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| FAR ROCKAWAY___4 23548 | 64.82 5.68 0.00 | 61.78 5.31 0.00 | 58.67 4.25 0.00 | 53.20 3.76 0.00 | 51.96 3.80 0.00 | 55.22 3.76 0.00 | 58.33 4.32 0.00 | 62.19 5.19 0.00 | 66.17 4.96 0.00 | 69.21 5.13 0.01 | 80.27 7.23 0.00 | 96.56 10.57 -0.06 | 137.68 15.15 -9.51 | 163.50 19.70 -5.05 | 213.01 22.45 -27.83 | 295.82 24.38 -100.91 | 377.45 31.79 -115.27 | 426.82 35.44 -128.83 | 378.17 34.12 -83.61 | 327.14 29.46 -60.11 | 272.83 23.80 -47.32 | 173.63 15.68 -23.94 | 116.15 10.64 -13.02 | 106.47 7.48 -27.06 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 63.46 4.32 0.00 | 60.32 3.84 0.00 | 57.75 3.32 0.00 | 52.46 3.02 0.00 | 51.29 3.13 0.00 | 54.50 3.04 0.00 | 57.68 3.67 0.00 | 61.73 4.73 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.84 7.91 0.00 | 124.67 11.64 0.00 | 157.16 15.82 -2.60 | 187.87 18.22 -6.93 | 217.29 20.12 -26.64 | 298.38 27.88 -40.11 | 341.15 30.46 -48.15 | 353.55 28.91 -64.20 | 311.64 24.47 -49.60 | 260.53 19.36 -39.47 | 165.49 10.72 -20.75 | 103.23 6.94 -3.80 | 76.39 4.46 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 63.46 4.32 0.00 | 60.32 3.84 0.00 | 57.80 3.37 0.00 | 52.51 3.07 0.00 | 51.34 3.18 0.00 | 54.55 3.09 0.00 | 57.74 3.73 0.00 | 61.73 4.73 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.84 7.91 0.00 | 124.67 11.64 0.00 | 157.16 15.82 -2.60 | 187.87 18.22 -6.93 | 217.29 20.12 -26.64 | 298.61 28.11 -40.11 | 341.42 30.72 -48.15 | 353.55 28.91 -64.20 | 311.88 24.71 -49.60 | 260.53 19.36 -39.47 | 165.49 10.72 -20.75 | 103.23 6.94 -3.80 | 76.39 4.46 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 63.40 4.26 0.00 | 60.26 3.78 0.00 | 57.75 3.32 0.00 | 52.46 3.02 0.00 | 51.29 3.13 0.00 | 54.50 3.04 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.86 4.65 0.00 | 69.16 5.06 0.00 | 79.17 6.14 0.00 | 93.84 7.91 0.00 | 124.67 11.64 0.00 | 157.02 15.68 -2.60 | 187.71 18.06 -6.93 | 217.12 19.95 -26.64 | 298.15 27.65 -40.11 | 340.89 30.19 -48.15 | 353.29 28.65 -64.20 | 311.40 24.23 -49.60 | 260.13 18.96 -39.47 | 165.35 10.59 -20.75 | 103.14 6.84 -3.80 | 76.32 4.39 0.00 |
| FARRAGUT___LBMP 323566 | 63.34 4.20 0.00 | 60.20 3.73 0.00 | 57.70 3.27 0.00 | 52.41 2.97 0.00 | 51.24 3.08 0.00 | 54.45 2.98 0.00 | 57.63 3.62 0.00 | 61.62 4.62 0.00 | 65.80 4.59 0.00 | 69.03 4.94 0.00 | 79.03 5.99 0.00 | 93.67 7.73 0.00 | 124.44 11.42 0.00 | 156.75 15.40 -2.60 | 187.55 17.90 -6.93 | 216.94 19.78 -26.64 | 297.92 27.42 -40.11 | 340.63 29.93 -48.15 | 352.77 28.13 -64.20 | 311.16 23.99 -49.60 | 259.93 18.76 -39.47 | 165.08 10.32 -20.75 | 102.96 6.66 -3.80 | 76.25 4.32 0.00 |
| FENNER___WINDPWR 24204 | 60.56 1.42 0.00 | 57.60 1.13 0.00 | 55.41 0.98 0.00 | 50.23 0.79 0.00 | 48.88 0.72 0.00 | 52.39 0.93 0.00 | 55.09 1.08 0.00 | 58.25 1.25 0.00 | 62.68 1.47 0.00 | 65.63 1.54 0.00 | 75.23 2.19 0.00 | 88.86 2.92 0.00 | 116.64 3.62 0.00 | 142.91 4.16 0.00 | 167.74 4.88 -0.14 | 175.47 4.95 0.00 | 237.29 6.91 0.00 | 270.70 8.15 0.00 | 269.03 8.54 0.00 | 246.11 8.54 0.00 | 209.37 7.66 0.00 | 139.38 5.37 0.00 | 96.10 3.60 0.00 | 74.09 2.16 0.00 |
| FIBERTEK___ENERGY 23856 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.91 0.88 0.00 | 87.23 1.29 0.00 | 114.38 1.36 0.00 | 140.00 1.25 0.00 | 164.18 1.46 0.00 | 172.06 1.53 0.00 | 231.77 1.38 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.94 1.01 0.00 |
| FITZPATRICK___ 23598 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 49.97 -1.49 0.00 | 52.61 -1.40 0.00 | 55.58 -1.42 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.98 -2.77 0.00 | 159.14 -3.58 0.00 | 166.77 -3.75 0.00 | 224.86 -5.53 0.00 | 256.52 -6.03 0.00 | 254.46 -5.98 0.00 | 232.57 -5.00 0.00 | 197.87 -3.84 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.49 -1.44 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP-G 345010 | 63.22 4.08 0.00 | 59.98 3.50 0.00 | 57.48 3.05 0.00 | 52.16 2.72 0.00 | 50.95 2.79 0.00 | 54.29 2.83 0.00 | 57.25 3.24 0.00 | 60.99 3.99 0.00 | 65.37 4.16 0.00 | 68.52 4.42 0.00 | 78.88 5.84 0.00 | 93.41 7.48 0.00 | 123.65 10.62 0.00 | 155.16 14.29 -2.12 | 185.14 16.76 -5.66 | 214.05 18.59 -24.94 | 294.51 25.80 -38.32 | 337.46 28.62 -46.29 | 350.12 27.09 -62.59 | 310.12 23.28 -49.26 | 258.47 18.76 -38.00 | 161.68 11.12 -16.54 | 103.74 7.40 -3.85 | 77.11 5.18 0.00 |
| FORT ORANGE___ 23900 | 60.68 1.54 0.00 | 57.78 1.30 0.00 | 55.52 1.09 0.00 | 50.33 0.89 0.00 | 49.12 0.96 0.00 | 52.39 0.93 0.00 | 54.87 0.86 0.00 | 57.97 0.97 0.00 | 62.13 0.92 0.00 | 64.99 0.90 0.00 | 74.17 1.16 0.04 | 86.99 1.37 0.31 | 113.50 2.38 1.90 | 96.79 3.60 45.56 | 50.49 5.21 117.43 | 37.25 5.97 139.23 | 100.53 7.59 137.45 | 140.94 8.65 130.27 | 182.22 8.08 86.30 | 274.20 6.64 -29.98 | 124.02 5.85 83.53 | 75.00 3.62 62.64 | 109.83 1.95 -15.39 | 73.23 1.30 0.00 |
| FORT_DRUM_COGEN 23780 | 61.57 2.42 0.00 | 58.51 2.03 0.00 | 56.23 1.80 0.00 | 50.88 1.43 0.00 | 49.51 1.35 0.00 | 53.21 1.75 0.00 | 55.95 1.94 0.00 | 58.99 1.99 0.00 | 63.17 1.96 0.00 | 65.63 1.54 0.00 | 75.16 2.12 0.00 | 88.43 2.49 0.00 | 115.96 2.94 0.00 | 141.80 3.05 0.00 | 162.48 0.00 0.24 | 170.86 0.34 0.00 | 232.23 1.84 0.00 | 266.23 3.68 0.00 | 266.69 6.25 0.00 | 246.12 8.55 0.00 | 209.57 7.87 0.00 | 139.11 5.09 0.00 | 97.86 5.36 0.00 | 75.53 3.60 0.00 |
| FOX_HILLS___ESR 323835 | 54.31 4.14 8.97 | 53.87 3.67 6.28 | 53.97 3.10 3.56 | 52.66 3.21 0.00 | 51.58 3.42 -0.01 | 53.76 2.78 0.48 | 53.93 3.51 3.59 | 54.04 4.62 7.58 | 55.23 4.65 10.63 | 55.62 5.00 13.47 | 65.10 5.33 13.27 | 77.38 6.87 15.43 | 111.03 10.29 12.28 | 138.65 14.29 14.39 | 186.74 17.09 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.12 | 339.85 29.14 -48.16 | 383.86 26.30 -97.11 | 310.22 23.04 -49.61 | 247.15 17.95 -27.49 | 151.66 9.65 -7.99 | 86.59 6.10 12.01 | 62.63 3.81 13.12 |
| FPL_FAR_ROCK_GT1 24212 | 64.88 5.74 0.00 | 62.07 5.59 0.00 | 58.79 4.36 0.00 | 53.20 3.76 0.00 | 51.92 3.76 0.00 | 55.32 3.86 0.00 | 58.33 4.32 0.00 | 62.42 5.42 0.00 | 66.35 5.14 0.00 | 69.22 5.13 0.01 | 80.34 7.30 0.00 | 96.47 10.48 -0.06 | 137.69 15.15 -9.51 | 163.50 19.69 -5.06 | 213.33 22.78 -27.83 | 296.15 24.72 -100.91 | 377.46 31.80 -115.27 | 426.81 35.43 -128.83 | 378.16 34.11 -83.61 | 327.13 29.45 -60.11 | 272.62 23.59 -47.32 | 173.77 15.81 -23.94 | 115.69 10.17 -13.02 | 106.04 7.05 -27.06 |
| FPL_FAR_ROCK_GT2 23815 | 64.88 5.74 0.00 | 62.07 5.59 0.00 | 58.79 4.36 0.00 | 53.20 3.76 0.00 | 51.92 3.76 0.00 | 55.32 3.86 0.00 | 58.33 4.32 0.00 | 62.42 5.42 0.00 | 66.35 5.14 0.00 | 69.22 5.13 0.01 | 80.34 7.30 0.00 | 96.47 10.48 -0.06 | 137.69 15.15 -9.51 | 163.50 19.69 -5.06 | 213.33 22.78 -27.83 | 296.15 24.72 -100.91 | 377.46 31.80 -115.27 | 426.81 35.43 -128.83 | 378.16 34.11 -83.61 | 327.13 29.45 -60.11 | 272.62 23.59 -47.32 | 173.77 15.81 -23.94 | 115.69 10.17 -13.02 | 106.04 7.05 -27.06 |
| FRANKLIN_FALL_HYD 24054 | 57.43 -1.72 0.00 | 55.40 -1.07 0.00 | 53.45 -0.98 0.00 | 48.70 -0.74 0.00 | 47.39 -0.77 0.00 | 50.79 -0.67 0.00 | 53.20 -0.81 0.00 | 56.26 -0.74 0.00 | 60.48 -0.73 0.00 | 62.88 -1.22 0.00 | 70.85 -2.19 0.00 | 82.07 -3.87 0.00 | 107.60 -5.43 0.00 | 131.39 -7.35 0.01 | 152.62 -8.30 1.79 | 162.17 -8.36 0.00 | 220.02 -10.37 0.00 | 251.53 -11.03 0.00 | 249.77 -10.68 0.00 | 228.54 -9.03 0.00 | 194.04 -7.66 0.00 | 129.19 -4.82 0.00 | 89.90 -2.59 0.00 | 70.85 -1.08 0.00 |

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| FREEPORT_EQUS_GT1 23764 | 64.11 4.97 0.00 | 61.45 4.97 0.00 | 58.18 3.75 0.00 | 52.71 3.26 0.00 | 51.43 3.28 0.00 | 54.86 3.40 0.00 | 57.73 3.72 0.00 | 61.79 4.79 0.00 | 65.62 4.41 0.00 | 68.25 4.16 0.01 | 78.88 5.85 0.00 | 94.72 8.77 -0.02 | 129.00 12.54 -3.44 | 158.00 16.64 -2.60 | 195.64 20.01 -12.91 | 246.42 22.01 -53.89 | 327.14 29.94 -66.81 | 374.95 33.35 -79.05 | 360.72 32.03 -68.25 | 314.49 27.31 -49.61 | 260.96 19.78 -39.48 | 168.05 13.27 -20.76 | 108.54 8.60 -7.45 | 88.39 5.76 -10.70 |
| FREEPORT___CT2 23818 | 64.11 4.97 0.00 | 61.45 4.97 0.00 | 58.18 3.75 0.00 | 52.71 3.26 0.00 | 51.43 3.28 0.00 | 54.86 3.40 0.00 | 57.73 3.72 0.00 | 61.79 4.79 0.00 | 65.62 4.41 0.00 | 68.25 4.16 0.01 | 78.88 5.85 0.00 | 94.72 8.77 -0.02 | 129.00 12.54 -3.44 | 158.00 16.64 -2.60 | 195.64 20.01 -12.91 | 246.42 22.01 -53.89 | 327.14 29.94 -66.81 | 374.95 33.35 -79.05 | 360.72 32.03 -68.25 | 314.49 27.31 -49.61 | 260.96 19.78 -39.48 | 168.05 13.27 -20.76 | 108.54 8.60 -7.45 | 88.39 5.76 -10.70 |
| FRESHKLS_33_KV_LOAD 356253 | 54.25 4.08 8.97 | 53.81 3.61 6.28 | 53.92 3.05 3.56 | 52.66 3.21 0.00 | 51.63 3.47 -0.01 | 53.66 2.68 0.48 | 53.82 3.40 3.59 | 53.93 4.50 7.58 | 55.11 4.53 10.63 | 55.49 4.87 13.47 | 64.82 5.19 13.41 | 76.81 6.79 15.92 | 110.75 10.17 12.45 | 137.08 14.29 15.96 | 186.90 17.25 -6.93 | 216.61 19.44 -26.64 | 297.47 26.96 -40.12 | 340.12 29.41 -48.16 | 379.68 26.83 -92.41 | 310.70 23.52 -49.61 | 247.35 18.15 -27.49 | 151.79 9.78 -7.99 | 86.68 6.20 12.01 | 62.63 3.81 13.12 |
| FULTON COGEN____ 23766 | 58.37 -0.77 0.00 | 55.52 -0.96 0.00 | 53.40 -1.03 0.00 | 48.50 -0.94 0.00 | 47.19 -0.96 0.00 | 50.48 -0.98 0.00 | 53.15 -0.86 0.00 | 56.20 -0.80 0.00 | 60.48 -0.73 0.00 | 63.45 -0.64 0.00 | 72.75 -0.29 0.00 | 85.85 -0.09 0.00 | 112.69 -0.34 0.00 | 137.92 -0.83 0.00 | 161.74 -0.98 0.00 | 169.50 -1.02 0.00 | 228.31 -2.07 0.00 | 260.45 -2.10 0.00 | 258.62 -1.82 0.00 | 236.62 -0.95 0.00 | 201.10 -0.61 0.00 | 134.02 0.00 0.00 | 92.40 -0.09 0.00 | 71.72 -0.22 0.00 |
| FULTON___LFGE 323630 | 64.64 5.50 0.00 | 61.45 4.97 0.00 | 58.94 4.52 0.00 | 53.40 3.96 0.00 | 52.06 3.90 0.00 | 55.78 4.32 0.00 | 58.38 4.37 0.00 | 61.22 4.22 0.00 | 65.37 4.16 0.00 | 67.81 3.72 0.00 | 77.72 4.68 -0.01 | 91.69 5.76 0.00 | 121.05 8.03 0.00 | 154.30 10.12 -5.43 | 189.43 12.21 -14.51 | 271.16 14.15 -86.49 | 387.47 19.36 -137.73 | 453.52 22.83 -168.14 | 534.69 25.01 -249.24 | 535.49 24.94 -272.98 | 514.65 22.19 -290.76 | 333.12 14.74 -184.36 | 140.45 10.27 -37.69 | 78.69 6.76 0.00 |
| G.F.CEMENT___DRP 24184 | 63.58 4.44 0.00 | 60.32 3.84 0.00 | 57.80 3.37 0.00 | 52.26 2.82 0.00 | 50.90 2.74 0.00 | 54.50 3.04 0.00 | 57.25 3.24 0.00 | 60.53 3.53 0.00 | 65.01 3.80 0.00 | 67.68 3.59 0.00 | 77.21 4.16 -0.01 | 91.18 5.24 0.00 | 120.71 7.69 0.00 | 159.30 9.85 -10.70 | 203.18 11.88 -28.58 | 293.08 13.13 -109.43 | 413.03 17.97 -164.67 | 481.17 21.00 -197.62 | 564.57 23.44 -280.68 | 550.70 21.62 -291.51 | 541.64 18.96 -320.97 | 353.54 12.33 -207.19 | 139.38 8.32 -38.56 | 77.61 5.68 0.00 |
| GARDENVILLE___LBMP 24039 | 59.55 0.41 0.00 | 56.65 0.17 0.00 | 53.83 -0.60 0.00 | 49.25 -0.20 0.00 | 47.53 -0.63 0.00 | 50.84 -0.62 0.00 | 54.28 0.27 0.00 | 56.49 -0.51 0.00 | 61.03 -0.18 0.00 | 64.29 0.19 0.00 | 74.13 1.10 0.00 | 88.60 2.66 0.00 | 114.15 1.13 0.00 | 137.22 -1.53 0.00 | 158.81 -3.91 0.00 | 168.88 -4.43 -2.79 | 223.53 -11.75 -4.89 | 256.34 -12.34 -6.12 | 258.15 -10.68 -8.38 | 235.81 -6.65 -4.89 | 198.48 -3.23 0.00 | 134.55 0.54 0.00 | 93.79 1.29 0.00 | 74.74 2.81 0.00 |
| GARDNVLA_35_KV_LD 355827 | 59.85 0.71 0.00 | 56.93 0.45 0.00 | 54.10 -0.33 0.00 | 49.44 0.00 0.00 | 47.72 -0.43 0.00 | 51.05 -0.41 0.00 | 54.55 0.54 0.00 | 56.83 -0.17 0.00 | 61.33 0.12 0.00 | 64.61 0.51 0.00 | 74.57 1.53 0.00 | 89.29 3.35 0.00 | 114.95 1.92 0.00 | 138.06 -0.69 0.00 | 160.11 -2.60 0.00 | 170.09 -3.24 -2.81 | 225.17 -10.14 -4.92 | 258.21 -10.50 -6.16 | 260.02 -8.86 -8.43 | 237.50 -4.99 -4.92 | 199.69 -2.02 0.00 | 135.49 1.47 0.00 | 94.34 1.85 0.00 | 75.17 3.24 0.00 |
| GELCKHM___115KV_LOAD 80723 | 58.90 -0.24 0.00 | 56.02 -0.45 0.00 | 53.89 -0.54 0.00 | 48.95 -0.49 0.00 | 47.58 -0.58 0.00 | 50.89 -0.57 0.00 | 53.63 -0.38 0.00 | 56.71 -0.28 0.00 | 61.09 -0.12 0.00 | 64.09 0.00 0.00 | 73.55 0.51 0.00 | 86.80 0.86 0.00 | 113.82 0.79 0.00 | 139.44 0.69 0.00 | 163.37 0.65 0.00 | 171.04 0.51 0.00 | 230.62 0.23 0.00 | 262.82 0.26 0.00 | 260.96 0.52 0.00 | 238.76 1.19 0.00 | 202.91 1.21 0.00 | 135.22 1.21 0.00 | 93.23 0.74 0.00 | 72.43 0.50 0.00 |
| GENERAL___MILLS 23808 | 59.67 0.53 0.00 | 56.76 0.28 0.00 | 53.94 -0.49 0.00 | 49.34 -0.10 0.00 | 47.63 -0.53 0.00 | 50.95 -0.51 0.00 | 54.44 0.43 0.00 | 56.66 -0.34 0.00 | 61.15 -0.06 0.00 | 64.41 0.32 0.00 | 74.35 1.31 0.00 | 88.94 3.01 0.00 | 114.49 1.47 0.00 | 137.64 -1.11 0.00 | 159.30 -3.42 0.00 | 169.41 -3.92 -2.81 | 224.24 -11.06 -4.91 | 257.15 -11.55 -6.15 | 258.96 -9.90 -8.42 | 236.54 -5.94 -4.91 | 199.08 -2.62 0.00 | 134.96 0.94 0.00 | 93.97 1.48 0.00 | 74.88 2.95 0.00 |
| GE_PLASTICS___DRP 24183 | 60.32 1.18 0.00 | 57.32 0.85 0.00 | 55.30 0.87 0.00 | 50.19 0.74 0.00 | 48.93 0.77 0.00 | 52.18 0.72 0.00 | 54.66 0.65 0.00 | 57.68 0.68 0.00 | 61.88 0.67 0.00 | 64.73 0.64 0.00 | 74.04 1.02 0.02 | 81.58 1.20 5.56 | 81.56 2.15 33.61 | 81.81 3.33 60.27 | 81.51 4.07 85.27 | 81.50 4.43 93.46 | 81.67 6.22 154.94 | 212.51 6.56 56.61 | 248.69 5.99 17.74 | 295.83 4.99 -53.27 | 183.48 4.24 22.46 | 116.49 2.41 19.94 | 81.67 1.39 12.21 | 72.94 1.01 0.00 |
| GILBOA___1 23756 | 60.98 1.84 0.00 | 58.05 1.58 0.00 | 56.61 2.18 0.00 | 51.37 1.93 0.00 | 50.09 1.93 0.00 | 53.47 2.00 0.00 | 55.58 1.57 0.00 | 58.71 1.71 0.00 | 62.92 1.71 0.00 | 65.95 1.86 0.00 | 75.59 2.56 0.00 | 89.20 3.26 0.00 | 117.77 4.75 0.00 | 145.00 6.25 0.00 | 169.87 7.15 0.00 | 190.45 6.13 -13.80 | 263.07 8.53 -24.15 | 302.25 9.44 -30.25 | 313.31 9.64 -43.23 | 279.29 8.31 -33.41 | 225.66 7.25 -16.70 | 149.27 5.09 -10.16 | 98.18 3.32 -2.36 | 73.87 1.94 0.00 |
| GILBOA___2 23757 | 60.98 1.84 0.00 | 58.05 1.58 0.00 | 56.61 2.18 0.00 | 51.37 1.93 0.00 | 50.09 1.93 0.00 | 53.47 2.00 0.00 | 55.58 1.57 0.00 | 58.71 1.71 0.00 | 62.92 1.71 0.00 | 65.95 1.86 0.00 | 75.59 2.56 0.00 | 89.20 3.26 0.00 | 117.77 4.75 0.00 | 145.00 6.25 0.00 | 169.87 7.15 0.00 | 190.45 6.13 -13.80 | 263.07 8.53 -24.15 | 302.25 9.44 -30.25 | 313.31 9.64 -43.23 | 279.29 8.31 -33.41 | 225.66 7.25 -16.70 | 149.27 5.09 -10.16 | 98.18 3.32 -2.36 | 73.87 1.94 0.00 |
| GILBOA___3 23758 | 60.98 1.84 0.00 | 58.05 1.58 0.00 | 56.61 2.18 0.00 | 51.37 1.93 0.00 | 50.09 1.93 0.00 | 53.47 2.00 0.00 | 55.58 1.57 0.00 | 58.71 1.71 0.00 | 62.92 1.71 0.00 | 65.95 1.86 0.00 | 75.59 2.56 0.00 | 89.20 3.26 0.00 | 117.77 4.75 0.00 | 145.00 6.25 0.00 | 169.87 7.15 0.00 | 190.45 6.13 -13.80 | 263.07 8.53 -24.15 | 302.25 9.44 -30.25 | 313.31 9.64 -43.23 | 279.29 8.31 -33.41 | 225.66 7.25 -16.70 | 149.27 5.09 -10.16 | 98.18 3.32 -2.36 | 73.87 1.94 0.00 |
| GILBOA___4 23759 | 60.98 1.84 0.00 | 58.05 1.58 0.00 | 56.61 2.18 0.00 | 51.37 1.93 0.00 | 50.09 1.93 0.00 | 53.47 2.00 0.00 | 55.58 1.57 0.00 | 58.71 1.71 0.00 | 62.92 1.71 0.00 | 65.95 1.86 0.00 | 75.59 2.56 0.00 | 89.20 3.26 0.00 | 117.77 4.75 0.00 | 145.00 6.25 0.00 | 169.87 7.15 0.00 | 190.45 6.13 -13.80 | 263.07 8.53 -24.15 | 302.25 9.44 -30.25 | 313.31 9.64 -43.23 | 279.29 8.31 -33.41 | 225.66 7.25 -16.70 | 149.27 5.09 -10.16 | 98.18 3.32 -2.36 | 73.87 1.94 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|
| GILBOA____ 23599 | 60.97 1.83 0.00 | 58.00 1.52 0.00 | 56.61 2.18 0.00 | 51.37 1.93 0.00 | 50.08 1.93 0.00 | 53.47 2.01 0.00 | 55.58 1.57 0.00 | 58.71 1.71 0.00 | 62.92 1.71 0.00 | 65.95 1.86 0.00 | 75.59 2.56 0.00 | 89.20 3.27 0.00 | 117.77 4.75 0.00 | 144.99 6.24 0.00 | 169.71 7.00 0.00 | 190.46 6.14 -13.80 | 263.06 8.52 -24.15 | 302.26 9.45 -30.25 | 313.31 9.64 -43.23 | 279.06 8.08 -33.41 | 225.67 7.26 -16.70 | 149.27 5.09 -10.16 | 98.09 3.24 -2.36 | 74.16 2.23 0.00 |
| GINNA____ 23603 | 57.42 -1.72 0.00 | 54.61 -1.86 0.00 | 52.20 -2.23 0.00 | 47.56 -1.88 0.00 | 46.04 -2.12 0.00 | 49.15 -2.31 0.00 | 52.12 -1.89 0.00 | 54.83 -2.17 0.00 | 59.13 -2.08 0.00 | 62.55 -1.54 0.00 | 72.02 -1.02 0.00 | 85.59 -0.34 0.00 | 111.21 -1.81 0.00 | 135.42 -3.33 0.00 | 157.67 -5.05 0.00 | 164.73 -5.80 0.00 | 220.72 -9.67 0.00 | 252.31 -10.24 0.00 | 250.02 -10.43 0.00 | 229.49 -8.08 0.00 | 196.06 -5.65 0.00 | 131.61 -2.41 0.00 | 91.01 -1.48 0.00 | 70.49 -1.44 0.00 |
| GLEN PARK____ 23778 | 61.98 2.84 0.00 | 58.85 2.37 0.00 | 56.55 2.12 0.00 | 51.13 1.68 0.00 | 49.80 1.64 0.00 | 53.52 2.06 0.00 | 56.23 2.22 0.00 | 59.34 2.34 0.00 | 63.48 2.27 0.00 | 65.95 1.86 0.00 | 75.59 2.56 0.00 | 88.94 3.01 0.00 | 116.64 3.62 0.00 | 140.00 1.25 0.00 | 163.31 0.82 0.22 | 171.73 1.20 0.00 | 233.85 3.46 0.00 | 268.32 5.77 0.00 | 269.03 8.58 0.00 | 248.51 10.93 0.00 | 211.99 10.28 0.00 | 143.26 9.24 0.00 | 98.79 6.29 0.00 | 75.96 4.03 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 63.75 4.61 0.00 | 60.66 4.18 0.00 | 58.08 3.65 0.00 | 52.81 3.36 0.00 | 51.67 3.52 0.00 | 54.81 3.34 0.00 | 58.06 4.05 0.00 | 62.13 5.13 0.00 | 66.35 5.14 0.00 | 69.54 5.45 0.00 | 76.74 6.21 2.50 | 84.91 7.99 9.01 | 121.80 11.87 3.09 | 128.29 16.23 26.69 | 188.36 18.71 -6.93 | 217.80 20.63 -26.64 | 299.30 28.80 -40.11 | 341.95 31.24 -48.15 | 306.21 29.69 -16.08 | 312.12 24.95 -49.60 | 260.74 19.57 -39.47 | 165.61 10.86 -20.74 | 102.50 6.94 -3.07 | 76.05 4.46 0.34 |
| GLENWOOD_IC_1_G5 23712 | 63.69 4.55 0.00 | 60.66 4.18 0.00 | 57.91 3.48 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.55 3.09 0.00 | 57.63 3.62 0.00 | 61.50 4.50 0.00 | 65.62 4.41 0.00 | 68.70 4.61 0.00 | 78.81 5.77 0.00 | 94.11 8.16 -0.01 | 127.44 12.09 -2.33 | 157.44 16.10 -2.60 | 192.79 19.04 -11.04 | 236.64 20.80 -45.31 | 317.42 28.80 -58.23 | 368.67 31.77 -74.35 | 357.34 29.95 -66.95 | 312.84 25.66 -49.61 | 260.55 19.36 -39.48 | 166.56 11.79 -20.75 | 106.34 7.58 -6.26 | 84.18 5.04 -7.22 |
| GLENWOOD_IC_2_G1 23688 | 63.40 4.26 0.00 | 60.49 4.01 0.00 | 57.69 3.27 0.00 | 52.31 2.87 0.00 | 51.10 2.94 0.00 | 54.39 2.93 0.00 | 57.42 3.40 0.00 | 61.39 4.39 0.00 | 65.43 4.22 0.00 | 68.45 4.36 0.00 | 78.81 5.77 0.00 | 93.76 7.82 0.00 | 125.85 11.64 -1.18 | 156.75 15.40 -2.60 | 190.20 18.38 -9.10 | 227.08 20.11 -36.44 | 306.93 27.17 -49.37 | 340.63 29.92 -48.16 | 354.44 28.39 -65.60 | 311.66 24.48 -49.61 | 259.94 18.76 -39.48 | 166.16 11.38 -20.76 | 104.61 7.12 -5.00 | 79.91 4.46 -3.52 |
| GLENWOOD_IC_3_G1 23689 | 63.40 4.26 0.00 | 60.49 4.01 0.00 | 57.69 3.27 0.00 | 52.31 2.87 0.00 | 51.10 2.94 0.00 | 54.39 2.93 0.00 | 57.42 3.40 0.00 | 61.39 4.39 0.00 | 65.43 4.22 0.00 | 68.45 4.36 0.00 | 78.81 5.77 0.00 | 93.76 7.82 0.00 | 125.85 11.64 -1.18 | 156.75 15.40 -2.60 | 190.20 18.38 -9.10 | 227.08 20.11 -36.44 | 306.93 27.17 -49.37 | 340.63 29.92 -48.16 | 354.44 28.39 -65.60 | 311.66 24.48 -49.61 | 259.94 18.76 -39.48 | 166.16 11.38 -20.76 | 104.61 7.12 -5.00 | 79.91 4.46 -3.52 |
| GLENWOOD____4 23550 | 63.69 4.55 0.00 | 60.66 4.18 0.00 | 57.91 3.48 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.55 3.09 0.00 | 57.63 3.62 0.00 | 61.50 4.50 0.00 | 65.62 4.41 0.00 | 68.70 4.61 0.00 | 79.03 5.99 0.00 | 94.37 8.42 -0.01 | 127.67 12.32 -2.33 | 157.86 16.51 -2.60 | 193.28 19.53 -11.04 | 236.98 21.14 -45.31 | 317.88 29.26 -58.23 | 369.19 32.29 -74.35 | 358.13 30.73 -66.95 | 313.31 26.13 -49.61 | 261.15 19.97 -39.48 | 166.83 12.06 -20.75 | 106.52 7.77 -6.26 | 84.33 5.18 -7.22 |
| GLENWOOD____5 23614 | 63.69 4.55 0.00 | 60.66 4.18 0.00 | 57.91 3.48 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.55 3.09 0.00 | 57.63 3.62 0.00 | 61.50 4.50 0.00 | 65.62 4.41 0.00 | 68.70 4.61 0.00 | 79.03 5.99 0.00 | 94.37 8.42 -0.01 | 127.67 12.32 -2.33 | 157.86 16.51 -2.60 | 193.28 19.53 -11.04 | 236.98 21.14 -45.31 | 317.88 29.26 -58.23 | 369.19 32.29 -74.35 | 358.13 30.73 -66.95 | 313.31 26.13 -49.61 | 261.15 19.97 -39.48 | 166.83 12.06 -20.75 | 106.52 7.77 -6.26 | 84.33 5.18 -7.22 |
| GLOBAL GREEN_PORT_GT1 23814 | 65.70 6.56 0.00 | 62.91 6.44 0.00 | 59.33 4.90 0.00 | 53.40 3.96 0.00 | 52.06 3.90 0.00 | 55.48 4.02 0.00 | 58.33 4.32 0.00 | 62.82 5.82 0.00 | 66.96 5.75 0.00 | 69.82 5.77 0.05 | 82.10 9.05 0.00 | 99.34 13.40 0.00 | 133.33 19.77 -0.53 | 164.38 24.97 -0.66 | 247.66 25.05 -59.89 | 271.00 26.93 -73.54 | 308.56 35.01 -43.17 | 370.23 39.37 -68.31 | 355.71 36.97 -58.29 | 308.97 30.18 -41.23 | 256.29 21.37 -33.21 | 171.95 19.71 -18.23 | 108.30 11.47 -4.34 | 80.91 7.41 -1.57 |
| GLOBE____DSASP 323697 | 57.84 -1.30 0.00 | 55.23 -1.24 0.00 | 53.12 -1.31 0.00 | 48.65 -0.79 0.00 | 46.28 -1.88 0.00 | 49.51 -1.96 0.00 | 52.98 -1.03 0.00 | 54.72 -2.28 0.00 | 58.95 -2.26 0.00 | 62.17 -1.92 0.00 | 71.50 -1.53 0.00 | 85.42 -0.52 0.00 | 109.75 -3.28 0.00 | 131.54 -7.22 0.00 | 152.14 -10.58 0.00 | 160.97 -12.11 -2.55 | 212.05 -22.81 -4.47 | 243.47 -24.68 -5.60 | 244.40 -23.70 -7.66 | 223.75 -18.29 -4.47 | 189.20 -12.51 0.00 | 128.92 -5.09 0.00 | 89.90 -2.59 0.00 | 72.29 0.36 0.00 |
| GOETHSLN____LBMP 323567 | 54.00 3.84 8.98 | 53.58 3.39 6.29 | 53.75 2.88 3.57 | 52.06 2.62 0.01 | 50.95 2.79 0.00 | 53.65 2.68 0.48 | 53.65 3.24 3.60 | 53.65 4.22 7.57 | 54.69 4.10 10.62 | 55.11 4.49 13.47 | 64.72 5.48 13.80 | 75.73 7.13 17.33 | 110.72 10.62 12.93 | 132.60 14.43 20.58 | 186.41 16.76 -6.93 | 215.75 18.59 -26.64 | 296.30 25.80 -40.11 | 338.79 28.09 -48.14 | 365.61 26.57 -78.60 | 309.50 22.33 -49.60 | 246.53 17.35 -27.48 | 151.38 9.38 -7.98 | 86.48 6.01 12.02 | 62.55 3.74 13.13 |
| GOLAH____69_KV_TB 1_2 80279 | 60.21 1.06 0.00 | 57.32 0.85 0.00 | 54.54 0.11 0.00 | 49.74 0.30 0.00 | 48.06 -0.10 0.00 | 51.51 0.05 0.00 | 54.71 0.70 0.00 | 57.28 0.28 0.00 | 61.70 0.49 0.00 | 65.12 1.03 0.00 | 74.94 1.90 0.00 | 89.20 3.27 0.00 | 115.29 2.26 0.00 | 139.72 0.97 0.00 | 162.72 0.00 0.00 | 172.36 -0.17 -2.01 | 229.30 -4.61 -3.52 | 262.76 -4.20 -4.41 | 263.35 -3.13 -6.03 | 240.62 -0.48 -3.52 | 203.12 1.41 0.00 | 136.97 2.95 0.00 | 95.27 2.77 0.00 | 75.17 3.24 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 62.22 3.08 0.00 | 59.13 2.65 0.00 | 57.10 2.67 0.00 | 51.82 2.37 0.00 | 50.52 2.36 0.00 | 54.09 2.62 0.00 | 56.66 2.65 0.00 | 59.96 2.96 0.00 | 64.33 3.12 0.00 | 67.30 3.20 0.00 | 77.42 4.38 0.00 | 91.52 5.59 0.00 | 120.60 7.57 0.00 | 149.89 9.44 -1.71 | 178.02 10.74 -4.56 | 211.95 10.91 -30.52 | 294.71 15.21 -49.12 | 339.77 17.07 -60.15 | 366.09 17.45 -88.20 | 344.65 16.15 -90.92 | 305.75 13.92 -90.12 | 199.62 9.25 -56.35 | 110.34 6.20 -11.65 | 76.17 4.24 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 60.26 1.12 0.00 | 57.21 0.73 0.00 | 55.03 0.60 0.00 | 50.09 0.64 0.00 | 48.69 0.53 0.00 | 52.08 0.62 0.00 | 54.87 0.86 0.00 | 58.08 1.08 0.00 | 62.50 1.29 0.00 | 65.50 1.41 0.00 | 75.23 2.19 0.00 | 89.12 3.18 0.00 | 116.53 3.50 0.00 | 142.50 3.75 0.00 | 166.62 3.91 0.00 | 180.15 3.75 -5.87 | 244.58 3.92 -10.28 | 280.15 4.73 -12.87 | 284.77 5.47 -18.86 | 260.33 6.18 -16.58 | 218.94 5.85 -11.38 | 145.37 4.42 -6.93 | 97.34 3.24 -1.61 | 74.38 2.45 0.00 |

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| GOUDEY___7 23579 | 60.26 1.12 0.00 | 57.21 0.73 0.00 | 55.03 0.60 0.00 | 50.09 0.64 0.00 | 48.69 0.53 0.00 | 52.08 0.62 0.00 | 54.87 0.86 0.00 | 58.08 1.08 0.00 | 62.50 1.29 0.00 | 65.50 1.41 0.00 | 75.23 2.19 0.00 | 89.12 3.18 0.00 | 116.53 3.50 0.00 | 142.50 3.75 0.00 | 166.62 3.91 0.00 | 180.15 3.75 -5.87 | 244.58 3.92 -10.28 | 280.15 4.73 -12.87 | 284.77 5.47 -18.86 | 260.33 6.18 -16.58 | 218.94 5.85 -11.38 | 145.37 4.42 -6.93 | 97.34 3.24 -1.61 | 74.38 2.45 0.00 |
| GOUDEY___8 23580 | 60.26 1.12 0.00 | 57.21 0.73 0.00 | 55.03 0.60 0.00 | 50.09 0.64 0.00 | 48.69 0.53 0.00 | 52.08 0.62 0.00 | 54.87 0.86 0.00 | 58.08 1.08 0.00 | 62.50 1.29 0.00 | 65.50 1.41 0.00 | 75.23 2.19 0.00 | 89.12 3.18 0.00 | 116.53 3.50 0.00 | 142.50 3.75 0.00 | 166.62 3.91 0.00 | 180.15 3.75 -5.87 | 244.58 3.92 -10.28 | 280.15 4.73 -12.87 | 284.77 5.47 -18.86 | 260.33 6.18 -16.58 | 218.94 5.85 -11.38 | 145.37 4.42 -6.93 | 97.34 3.24 -1.61 | 74.38 2.45 0.00 |
| GOWANUS_GT1_1 24077 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT1_2 24078 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT1_3 24079 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT1_4 24080 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT1_5 24084 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT1_6 24111 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT1_7 24112 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT1_8 24113 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 86.94 5.77 -8.13 | 122.58 7.39 -29.26 | 134.01 10.96 -10.03 | 251.38 14.99 -97.64 | 187.71 18.06 -6.93 | 217.47 20.29 -26.65 | 298.39 27.88 -40.12 | 341.18 30.46 -48.17 | 577.66 27.61 -289.61 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.98 6.66 -3.82 | 76.18 4.24 -0.01 |
| GOWANUS_GT2_1 24114 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| GOWANUS_GT2_2 24115 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| GOWANUS_GT2_3 24116 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| GOWANUS_GT2_4 24117 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| GOWANUS_GT2_5 24118 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |

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|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|--------------------------|---------------------------|---------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------|------------------------|
| GOWANUS_GT2_6 24119 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| GOWANUS_GT2_7 24120 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| GOWANUS_GT2_8 24121 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_1 24122 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_2 24123 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_3 24124 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_4 24125 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_5 24126 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_6 24127 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_7 24128 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT3_8 24129 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| GOWANUS_GT4_1 24130 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GOWANUS_GT4_2 24131 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GOWANUS_GT4_3 24132 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GOWANUS_GT4_4 24133 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |

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|---|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|------------------------|
| GOWANUS_GT4_5 24134 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GOWANUS_GT4_6 24135 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GOWANUS_GT4_7 24136 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GOWANUS_GT4_8 24137 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GREATVRV_69_KV_BK1 356245 | 64.88 5.74 0.00 | 62.01 5.53 0.00 | 58.73 4.30 0.00 | 53.15 3.71 0.00 | 51.91 3.76 0.00 | 55.22 3.76 0.00 | 58.33 4.32 0.00 | 62.19 5.19 0.00 | 66.05 4.84 0.00 | 68.59 4.55 0.05 | 79.85 6.79 -0.01 | 96.26 10.31 -0.01 | 128.76 15.03 -0.70 | 159.47 19.98 -0.74 | 230.51 23.76 -44.03 | 258.36 25.41 -62.43 | 309.43 34.56 -44.49 | 366.54 38.60 -65.39 | 356.50 37.24 -58.81 | 310.81 31.60 -41.64 | 259.03 23.80 -33.52 | 168.17 15.81 -18.34 | 107.29 10.27 -4.53 | 81.09 7.05 -2.11 |
| GREENBSH_115KV_TB3 55895 | 60.62 1.48 0.00 | 57.61 1.13 0.00 | 55.52 1.09 0.00 | 50.38 0.94 0.00 | 49.12 0.96 0.00 | 52.39 0.93 0.00 | 54.87 0.86 0.00 | 57.97 0.97 0.00 | 62.19 0.98 0.00 | 65.12 1.03 0.00 | 74.31 1.31 0.04 | 87.57 1.63 0.00 | 115.74 2.71 0.00 | 96.37 4.02 46.41 | 43.96 5.21 123.96 | 28.22 5.97 148.27 | 95.12 7.83 143.10 | 129.55 8.66 141.66 | 171.45 7.55 96.55 | 271.23 6.41 -27.24 | 114.55 5.24 92.40 | 68.44 3.22 68.80 | 111.78 1.85 -17.44 | 73.30 1.37 0.00 |
| GREENDGE_115KV_TB5 80291 | 60.09 0.95 0.00 | 56.98 0.51 0.00 | 54.54 0.11 0.00 | 50.14 0.69 0.00 | 48.64 0.48 0.00 | 51.67 0.21 0.00 | 54.77 0.76 0.00 | 57.85 0.85 0.00 | 62.25 1.04 0.00 | 65.37 1.28 0.00 | 75.23 2.19 0.00 | 88.34 2.41 0.00 | 114.27 1.24 0.00 | 138.89 0.14 0.00 | 162.23 -0.49 0.00 | 173.41 -0.51 -3.40 | 233.79 -2.53 -5.94 | 268.42 -1.58 -7.44 | 271.60 0.26 -10.89 | 249.71 2.61 -9.52 | 211.19 3.03 -6.46 | 142.91 4.96 -3.93 | 95.90 2.50 -0.91 | 75.10 3.16 0.00 |
| GREENIDGE___3 23582 | 60.09 0.95 0.00 | 56.98 0.51 0.00 | 54.54 0.11 0.00 | 50.14 0.69 0.00 | 48.64 0.48 0.00 | 51.67 0.21 0.00 | 54.77 0.76 0.00 | 57.85 0.85 0.00 | 62.25 1.04 0.00 | 65.37 1.28 0.00 | 75.23 2.19 0.00 | 88.34 2.41 0.00 | 114.27 1.24 0.00 | 138.89 0.14 0.00 | 162.23 -0.49 0.00 | 173.41 -0.51 -3.40 | 233.79 -2.53 -5.94 | 268.42 -1.58 -7.44 | 271.60 0.26 -10.89 | 249.71 2.61 -9.52 | 211.19 3.03 -6.46 | 142.91 4.96 -3.93 | 95.90 2.50 -0.91 | 75.10 3.16 0.00 |
| GREENIDGE___4 23583 | 60.08 0.94 0.00 | 56.98 0.51 0.00 | 54.54 0.11 0.00 | 50.14 0.69 0.00 | 48.64 0.48 0.00 | 51.77 0.31 0.00 | 54.77 0.76 0.00 | 57.80 0.80 0.00 | 62.25 1.04 0.00 | 65.37 1.28 0.00 | 75.23 2.19 0.00 | 88.43 2.49 0.00 | 114.15 1.13 0.00 | 138.89 0.14 0.00 | 162.23 -0.49 0.00 | 172.90 -1.02 -3.40 | 233.80 -2.53 -5.94 | 268.43 -1.57 -7.44 | 271.34 0.00 -10.89 | 249.47 2.38 -9.52 | 211.38 3.22 -6.46 | 142.91 4.96 -3.93 | 95.91 2.50 -0.91 | 74.30 2.37 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 62.87 3.73 0.00 | 60.32 3.84 0.00 | 57.37 2.94 0.00 | 52.01 2.57 0.00 | 50.81 2.65 0.00 | 54.03 2.57 0.00 | 57.04 3.02 0.00 | 60.65 3.65 0.00 | 64.09 2.88 0.00 | 66.42 2.44 0.11 | 77.13 4.09 0.00 | 92.78 6.79 -0.05 | 124.36 10.51 -0.83 | 153.99 14.57 -0.67 | 124.26 17.25 55.71 | 175.54 18.59 13.57 | 300.85 25.80 -44.66 | 329.76 28.62 -38.59 | 347.14 27.09 -59.61 | 302.05 22.57 -41.91 | 251.31 15.93 -33.67 | 162.33 10.05 -18.26 | 103.40 6.47 -4.43 | 77.96 4.17 -1.86 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |
| GRISSOM___SOLAR 323813 | 64.35 5.21 0.00 | 61.16 4.68 0.00 | 58.68 4.25 0.00 | 53.15 3.71 0.00 | 51.82 3.66 0.00 | 55.53 4.06 0.00 | 58.11 4.10 0.00 | 61.11 4.11 0.00 | 65.25 4.04 0.00 | 67.74 3.65 0.00 | 77.65 4.60 -0.01 | 91.52 5.58 0.00 | 120.93 7.91 0.00 | 154.26 10.00 -5.52 | 189.33 11.87 -14.74 | 271.95 13.65 -87.78 | 388.81 18.65 -139.77 | 455.24 22.06 -170.63 | 537.35 23.95 -252.96 | 538.50 23.75 -277.17 | 518.06 20.98 -295.38 | 335.26 13.94 -187.31 | 140.40 9.62 -38.29 | 78.26 6.33 0.00 |
| GROVEVILLE___HYD 323602 | 63.22 4.08 0.00 | 59.98 3.50 0.00 | 57.48 3.05 0.00 | 52.16 2.72 0.00 | 50.95 2.79 0.00 | 54.29 2.83 0.00 | 57.25 3.24 0.00 | 60.99 3.99 0.00 | 65.37 4.16 0.00 | 68.52 4.42 0.00 | 78.88 5.84 0.00 | 93.41 7.48 0.00 | 123.65 10.62 0.00 | 155.16 14.29 -2.12 | 185.14 16.76 -5.66 | 214.05 18.59 -24.94 | 294.51 25.80 -38.32 | 337.46 28.62 -46.29 | 350.12 27.09 -62.59 | 310.12 23.28 -49.26 | 258.47 18.76 -38.00 | 161.68 11.12 -16.54 | 103.74 7.40 -3.85 | 77.11 5.18 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.91 0.88 0.00 | 87.23 1.29 0.00 | 114.38 1.36 0.00 | 140.00 1.25 0.00 | 164.18 1.46 0.00 | 172.06 1.53 0.00 | 231.77 1.38 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.94 1.01 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 59.73 0.59 0.00 | 56.76 0.28 0.00 | 54.54 0.11 0.00 | 49.59 0.15 0.00 | 48.16 0.00 0.00 | 51.51 0.05 0.00 | 54.33 0.32 0.00 | 57.51 0.51 0.00 | 61.88 0.67 0.00 | 65.05 0.96 0.00 | 74.72 1.68 0.00 | 88.26 2.32 0.00 | 115.51 2.49 0.00 | 141.25 2.50 0.00 | 165.48 2.77 0.00 | 173.25 2.73 0.00 | 233.15 2.76 0.00 | 265.97 3.41 0.00 | 264.09 3.65 0.00 | 241.85 4.28 0.00 | 205.94 4.24 0.00 | 137.37 3.35 0.00 | 94.81 2.31 0.00 | 73.73 1.80 0.00 |

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| HAMPSHIRE___PAPER_HYD 323593 | 59.26 0.12 0.00 | 56.65 0.17 0.00 | 54.54 0.11 0.00 | 49.49 0.05 0.00 | 48.16 0.00 0.00 | 51.72 0.26 0.00 | 54.17 0.16 0.00 | 57.17 0.17 0.00 | 61.27 0.06 0.00 | 63.51 -0.58 0.00 | 72.24 -0.80 0.00 | 84.30 -1.64 0.00 | 110.43 -2.60 0.00 | 133.05 -5.69 0.00 | 154.65 -7.16 0.91 | 163.37 -7.16 0.00 | 221.87 -8.52 0.00 | 253.90 -8.66 0.00 | 253.15 -7.29 0.00 | 232.12 -5.45 0.00 | 197.27 -4.44 0.00 | 132.68 -1.34 0.00 | 92.49 0.00 0.00 | 72.22 0.29 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 59.56 0.42 0.00 | 56.70 0.23 0.00 | 54.65 0.22 0.00 | 49.59 0.15 0.00 | 48.35 0.19 0.00 | 51.77 0.31 0.00 | 54.39 0.38 0.00 | 57.45 0.45 0.00 | 61.76 0.55 0.00 | 64.67 0.58 0.00 | 73.92 0.88 0.00 | 86.88 0.95 0.00 | 114.04 1.01 0.00 | 139.73 0.98 0.00 | 163.89 0.65 -0.52 | 171.04 0.51 0.00 | 230.85 0.46 0.00 | 263.61 1.05 0.00 | 262.02 1.57 0.00 | 239.25 1.67 0.00 | 203.52 1.81 0.00 | 135.36 1.34 0.00 | 93.61 1.11 0.00 | 72.58 0.65 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 62.87 3.73 0.00 | 59.58 3.11 0.00 | 57.15 2.72 0.00 | 51.87 2.42 0.00 | 50.66 2.50 0.00 | 53.98 2.52 0.00 | 56.93 2.92 0.00 | 60.70 3.70 0.00 | 65.13 3.92 0.00 | 68.26 4.17 0.00 | 78.44 5.40 0.00 | 92.98 7.05 0.00 | 123.31 10.29 0.00 | 154.82 13.88 -2.20 | 184.85 16.27 -5.86 | 212.47 17.90 -24.04 | 291.84 24.88 -36.57 | 334.16 27.57 -44.04 | 345.58 26.04 -59.09 | 305.58 22.09 -45.91 | 255.22 17.75 -35.76 | 159.29 10.32 -14.95 | 102.81 6.84 -3.48 | 76.32 4.39 0.00 |
| HARSNRAD_115KV_TB1 81005 | 58.90 -0.24 0.00 | 56.14 -0.34 0.00 | 53.07 -1.36 0.00 | 48.55 -0.89 0.00 | 47.00 -1.16 0.00 | 50.28 -1.18 0.00 | 53.42 -0.59 0.00 | 55.40 -1.60 0.00 | 59.74 -1.47 0.00 | 63.00 -1.09 0.00 | 72.53 -0.51 0.00 | 86.71 0.77 0.00 | 111.10 -1.92 0.00 | 133.48 -5.27 0.00 | 154.42 -8.30 0.00 | 163.48 -9.55 -2.51 | 215.66 -19.12 -4.39 | 247.58 -20.48 -5.50 | 248.96 -19.01 -7.53 | 227.71 -14.25 -4.39 | 192.43 -9.28 0.00 | 130.93 -3.08 0.00 | 91.48 -1.02 0.00 | 73.37 1.44 0.00 |
| HARZA MOOSE___RIVER 24016 | 60.74 1.60 0.00 | 57.77 1.30 0.00 | 55.57 1.14 0.00 | 50.33 0.89 0.00 | 49.02 0.87 0.00 | 52.59 1.13 0.00 | 55.25 1.24 0.00 | 58.37 1.37 0.00 | 62.62 1.41 0.00 | 65.31 1.22 0.00 | 74.72 1.68 0.00 | 88.08 2.15 0.00 | 115.74 2.71 0.00 | 141.80 3.05 0.00 | 164.83 2.12 0.00 | 172.74 2.22 0.00 | 234.30 3.92 0.00 | 267.80 5.25 0.00 | 266.69 6.25 0.00 | 244.22 6.65 0.00 | 207.76 6.05 0.00 | 137.90 3.89 0.00 | 96.01 3.51 0.00 | 74.23 2.30 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 59.14 0.00 0.00 | 56.19 -0.28 0.00 | 54.05 -0.38 0.00 | 49.10 -0.35 0.00 | 47.72 -0.43 0.00 | 51.05 -0.41 0.00 | 53.79 -0.22 0.00 | 56.94 -0.06 0.00 | 61.27 0.06 0.00 | 64.35 0.26 0.00 | 73.84 0.80 0.00 | 87.23 1.29 0.00 | 114.38 1.36 0.00 | 140.14 1.39 0.00 | 164.02 1.30 0.00 | 171.89 1.36 0.00 | 231.31 0.92 0.00 | 263.87 1.31 0.00 | 261.75 1.30 0.00 | 239.47 1.90 0.00 | 203.72 2.02 0.00 | 135.76 1.74 0.00 | 93.60 1.11 0.00 | 72.72 0.79 0.00 |
| HELLGATE_13_KV_LD 55870 | 63.76 4.61 0.00 | 60.71 4.24 0.00 | 58.13 3.70 0.00 | 52.91 3.46 0.00 | 51.72 3.56 0.00 | 54.86 3.40 0.00 | 58.12 4.10 0.00 | 62.13 5.13 0.00 | 66.35 5.14 0.00 | 69.48 5.38 0.00 | 77.44 6.21 1.81 | 87.41 7.99 6.52 | 122.55 11.75 2.23 | 136.42 16.23 18.57 | 188.20 18.55 -6.94 | 217.80 20.63 -26.65 | 299.07 28.57 -40.12 | 341.69 30.98 -48.15 | 319.30 29.43 -29.43 | 311.88 24.71 -49.60 | 260.54 19.36 -39.47 | 165.49 10.72 -20.75 | 102.65 6.84 -3.32 | 76.09 4.39 0.23 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 63.76 4.61 0.00 | 60.71 4.24 0.00 | 58.13 3.70 0.00 | 52.91 3.46 0.00 | 51.72 3.56 0.00 | 54.86 3.40 0.00 | 58.12 4.10 0.00 | 62.13 5.13 0.00 | 66.35 5.14 0.00 | 69.48 5.38 0.00 | 77.44 6.21 1.81 | 87.41 7.99 6.52 | 122.55 11.75 2.23 | 136.42 16.23 18.57 | 188.20 18.55 -6.94 | 217.80 20.63 -26.65 | 299.07 28.57 -40.12 | 341.69 30.98 -48.15 | 319.30 29.43 -29.43 | 311.88 24.71 -49.60 | 260.54 19.36 -39.47 | 165.49 10.72 -20.75 | 102.65 6.84 -3.32 | 76.09 4.39 0.23 |
| HEMPSTEAD____ 23647 | 63.52 4.38 0.00 | 60.82 4.35 0.00 | 57.75 3.32 0.00 | 52.31 2.87 0.00 | 51.10 2.94 0.00 | 54.44 2.98 0.00 | 57.36 3.35 0.00 | 61.39 4.39 0.00 | 65.25 4.04 0.00 | 68.00 3.91 0.01 | 78.59 5.55 0.00 | 94.11 8.17 -0.01 | 127.72 12.10 -2.60 | 157.30 15.95 -2.60 | 193.41 19.19 -11.50 | 238.93 20.97 -47.44 | 319.31 28.56 -60.36 | 368.13 31.49 -74.09 | 357.91 30.20 -67.27 | 312.85 25.67 -49.61 | 259.94 18.76 -39.48 | 166.70 11.92 -20.76 | 106.64 7.49 -6.66 | 85.21 4.89 -8.39 |
| HICKLING___1 23621 | 60.56 1.42 0.00 | 57.38 0.90 0.00 | 54.92 0.49 0.00 | 50.09 0.64 0.00 | 48.59 0.43 0.00 | 52.03 0.57 0.00 | 55.14 1.13 0.00 | 58.31 1.31 0.00 | 62.74 1.53 0.00 | 65.89 1.79 0.00 | 75.89 2.85 0.00 | 90.06 4.12 0.00 | 116.98 3.96 0.00 | 142.08 3.33 0.00 | 165.81 3.09 0.00 | 177.83 2.90 -4.41 | 239.72 1.61 -7.72 | 274.58 2.36 -9.67 | 278.75 4.17 -14.14 | 256.31 6.41 -12.32 | 216.66 6.66 -8.30 | 144.97 5.90 -5.05 | 98.20 4.53 -1.18 | 75.74 3.81 0.00 |
| HICKLING___2 23622 | 60.56 1.42 0.00 | 57.38 0.90 0.00 | 54.92 0.49 0.00 | 50.09 0.64 0.00 | 48.59 0.43 0.00 | 52.03 0.57 0.00 | 55.14 1.13 0.00 | 58.31 1.31 0.00 | 62.74 1.53 0.00 | 65.89 1.79 0.00 | 75.89 2.85 0.00 | 90.06 4.12 0.00 | 116.98 3.96 0.00 | 142.08 3.33 0.00 | 165.81 3.09 0.00 | 177.83 2.90 -4.41 | 239.72 1.61 -7.72 | 274.58 2.36 -9.67 | 278.75 4.17 -14.14 | 256.31 6.41 -12.32 | 216.66 6.66 -8.30 | 144.97 5.90 -5.05 | 98.20 4.53 -1.18 | 75.74 3.81 0.00 |
| HIGH FALLS___HY 23754 | 63.34 4.20 0.00 | 60.03 3.56 0.00 | 57.59 3.16 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.45 2.98 0.00 | 57.41 3.40 0.00 | 61.22 4.22 0.00 | 65.62 4.41 0.00 | 68.71 4.61 0.00 | 79.02 5.99 0.00 | 93.23 7.65 0.35 | 121.85 10.96 2.14 | 148.67 14.71 4.79 | 171.99 17.25 7.98 | 195.55 18.93 -6.09 | 270.94 26.96 -13.60 | 319.58 30.46 -26.57 | 335.01 29.43 -45.13 | 308.41 25.42 -45.42 | 246.11 20.57 -23.83 | 157.19 12.06 -11.11 | 104.00 8.14 -3.37 | 77.25 5.32 0.00 |
| HIGH_RIVER___SOLAR 323847 | 62.63 3.49 0.00 | 59.58 3.10 0.00 | 57.26 2.83 0.00 | 51.91 2.47 0.00 | 50.61 2.45 0.00 | 54.08 2.62 0.00 | 56.60 2.59 0.00 | 59.50 2.51 0.00 | 63.35 2.14 0.00 | 65.76 1.66 0.00 | 75.23 2.19 -0.01 | 88.69 2.75 0.00 | 117.09 4.06 0.00 | 149.98 5.41 -5.83 | 184.79 6.52 -15.56 | 270.95 8.02 -92.41 | 389.02 11.51 -147.11 | 456.29 14.17 -179.57 | 542.90 16.15 -266.30 | 545.99 16.16 -292.25 | 528.03 14.32 -312.00 | 341.31 9.38 -197.91 | 139.32 6.38 -40.45 | 76.10 4.17 0.00 |
| HILLBURN___GT 23639 | 62.69 3.55 0.00 | 59.58 3.10 0.00 | 57.04 2.61 0.00 | 51.77 2.32 0.00 | 50.56 2.41 0.00 | 53.88 2.42 0.00 | 56.82 2.81 0.00 | 60.70 3.70 0.00 | 65.01 3.80 0.00 | 68.13 4.04 0.00 | 78.30 5.26 0.00 | 92.64 6.71 0.00 | 122.97 9.95 0.00 | 154.36 13.32 -2.28 | 184.93 16.11 -6.10 | 212.88 17.73 -24.62 | 291.70 23.96 -37.36 | 333.75 26.25 -44.94 | 345.67 25.01 -60.22 | 305.43 21.14 -46.72 | 255.01 16.73 -36.57 | 158.84 9.65 -15.16 | 102.31 6.29 -3.53 | 75.53 3.60 0.00 |
| HILLSIDE_115KV_TB1 80332 | 59.67 0.53 0.00 | 56.53 0.06 0.00 | 54.21 -0.22 0.00 | 49.39 -0.05 0.00 | 47.97 -0.19 0.00 | 51.31 -0.15 0.00 | 54.33 0.32 0.00 | 57.45 0.46 0.00 | 61.82 0.61 0.00 | 64.86 0.77 0.00 | 74.72 1.68 0.00 | 88.60 2.66 0.00 | 115.29 2.26 0.00 | 140.28 1.53 0.00 | 163.69 0.98 0.00 | 175.79 0.68 -4.59 | 237.26 -1.15 -8.03 | 271.82 -0.79 -10.05 | 275.66 0.52 -14.70 | 252.99 2.61 -12.81 | 213.56 3.23 -8.63 | 142.62 3.35 -5.25 | 96.58 2.87 -1.22 | 74.30 2.37 0.00 |

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| HISHELDN_WT_PWR 323625 | 59.26 0.12 0.00 | 56.25 -0.22 0.00 | 53.50 -0.93 0.00 | 48.95 -0.49 0.00 | 47.29 -0.87 0.00 | 50.54 -0.92 0.00 | 54.01 0.00 0.00 | 56.15 -0.85 0.00 | 60.54 -0.67 0.00 | 63.71 -0.38 0.00 | 73.41 0.37 0.00 | 87.65 1.72 0.00 | 112.69 -0.34 0.00 | 135.98 -2.77 0.00 | 157.35 -5.37 0.00 | 166.40 -7.16 -3.03 | 222.57 -13.12 -5.30 | 255.53 -13.66 -6.64 | 257.56 -11.98 -9.09 | 236.22 -6.65 -5.30 | 198.68 -3.02 0.00 | 134.83 0.81 0.00 | 93.97 1.48 0.00 | 73.29 1.36 0.00 |
| HOLTSVILLE_IC_1 23690 | 63.69 4.55 0.00 | 61.22 4.74 0.00 | 57.92 3.49 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.44 2.98 0.00 | 57.31 3.30 0.00 | 61.39 4.39 0.00 | 64.94 3.73 0.00 | 67.13 3.08 0.04 | 78.08 5.04 0.00 | 93.75 7.82 0.00 | 125.75 12.21 -0.52 | 155.49 16.09 -0.65 | 233.51 19.19 -51.61 | 258.53 20.80 -67.21 | 300.43 26.94 -43.10 | 358.44 29.92 -65.97 | 347.36 28.65 -58.27 | 302.76 23.98 -41.21 | 252.25 17.35 -33.20 | 164.43 12.19 -18.22 | 103.94 7.12 -4.33 | 77.86 4.39 -1.54 |
| HOLTSVILLE_IC_10 23699 | 64.11 4.97 0.00 | 61.56 5.08 0.00 | 58.18 3.75 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.70 3.24 0.00 | 57.57 3.56 0.00 | 61.73 4.73 0.00 | 65.37 4.16 0.00 | 67.63 3.59 0.05 | 78.74 5.70 -0.01 | 94.61 8.68 0.00 | 127.03 13.44 -0.56 | 157.06 17.62 -0.68 | 268.93 21.14 -85.07 | 285.67 22.33 -92.81 | 302.84 29.03 -43.42 | 370.31 32.28 -75.47 | 349.82 30.98 -58.40 | 304.77 25.90 -41.30 | 254.15 19.17 -33.27 | 165.95 13.68 -18.25 | 104.91 8.04 -4.37 | 78.56 4.96 -1.67 |
| HOLTSVILLE_IC_2 23691 | 63.69 4.55 0.00 | 61.22 4.74 0.00 | 57.92 3.49 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.44 2.98 0.00 | 57.31 3.30 0.00 | 61.39 4.39 0.00 | 64.94 3.73 0.00 | 67.13 3.08 0.04 | 78.08 5.04 0.00 | 93.75 7.82 0.00 | 125.75 12.21 -0.52 | 155.49 16.09 -0.65 | 233.51 19.19 -51.61 | 258.53 20.80 -67.21 | 300.43 26.94 -43.10 | 358.44 29.92 -65.97 | 347.36 28.65 -58.27 | 302.76 23.98 -41.21 | 252.25 17.35 -33.20 | 164.43 12.19 -18.22 | 103.94 7.12 -4.33 | 77.86 4.39 -1.54 |
| HOLTSVILLE_IC_3 23692 | 63.69 4.55 0.00 | 61.22 4.74 0.00 | 57.92 3.49 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.44 2.98 0.00 | 57.31 3.30 0.00 | 61.39 4.39 0.00 | 64.94 3.73 0.00 | 67.13 3.08 0.04 | 78.08 5.04 0.00 | 93.75 7.82 0.00 | 125.75 12.21 -0.52 | 155.49 16.09 -0.65 | 233.51 19.19 -51.61 | 258.53 20.80 -67.21 | 300.43 26.94 -43.10 | 358.44 29.92 -65.97 | 347.36 28.65 -58.27 | 302.76 23.98 -41.21 | 252.25 17.35 -33.20 | 164.43 12.19 -18.22 | 103.94 7.12 -4.33 | 77.86 4.39 -1.54 |
| HOLTSVILLE_IC_4 23693 | 63.69 4.55 0.00 | 61.22 4.74 0.00 | 57.92 3.49 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.44 2.98 0.00 | 57.31 3.30 0.00 | 61.39 4.39 0.00 | 64.94 3.73 0.00 | 67.13 3.08 0.04 | 78.08 5.04 0.00 | 93.75 7.82 0.00 | 125.75 12.21 -0.52 | 155.49 16.09 -0.65 | 233.51 19.19 -51.61 | 258.53 20.80 -67.21 | 300.43 26.94 -43.10 | 358.44 29.92 -65.97 | 347.36 28.65 -58.27 | 302.76 23.98 -41.21 | 252.25 17.35 -33.20 | 164.43 12.19 -18.22 | 103.94 7.12 -4.33 | 77.86 4.39 -1.54 |
| HOLTSVILLE_IC_5 23694 | 63.69 4.55 0.00 | 61.22 4.74 0.00 | 57.92 3.49 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.44 2.98 0.00 | 57.31 3.30 0.00 | 61.39 4.39 0.00 | 64.94 3.73 0.00 | 67.13 3.08 0.04 | 78.08 5.04 0.00 | 93.75 7.82 0.00 | 125.75 12.21 -0.52 | 155.49 16.09 -0.65 | 233.51 19.19 -51.61 | 258.53 20.80 -67.21 | 300.43 26.94 -43.10 | 358.44 29.92 -65.97 | 347.36 28.65 -58.27 | 302.76 23.98 -41.21 | 252.25 17.35 -33.20 | 164.43 12.19 -18.22 | 103.94 7.12 -4.33 | 77.86 4.39 -1.54 |
| HOLTSVILLE_IC_6 23695 | 64.11 4.97 0.00 | 61.56 5.08 0.00 | 58.18 3.75 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.70 3.24 0.00 | 57.57 3.56 0.00 | 61.73 4.73 0.00 | 65.37 4.16 0.00 | 67.63 3.59 0.05 | 78.74 5.70 -0.01 | 94.61 8.68 0.00 | 127.03 13.44 -0.56 | 157.06 17.62 -0.68 | 268.93 21.14 -85.07 | 285.67 22.33 -92.81 | 302.84 29.03 -43.42 | 370.31 32.28 -75.47 | 349.82 30.98 -58.40 | 304.77 25.90 -41.30 | 254.15 19.17 -33.27 | 165.95 13.68 -18.25 | 104.91 8.04 -4.37 | 78.56 4.96 -1.67 |
| HOLTSVILLE_IC_7 23696 | 64.11 4.97 0.00 | 61.56 5.08 0.00 | 58.18 3.75 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.70 3.24 0.00 | 57.57 3.56 0.00 | 61.73 4.73 0.00 | 65.37 4.16 0.00 | 67.63 3.59 0.05 | 78.74 5.70 -0.01 | 94.61 8.68 0.00 | 127.03 13.44 -0.56 | 157.06 17.62 -0.68 | 268.93 21.14 -85.07 | 285.67 22.33 -92.81 | 302.84 29.03 -43.42 | 370.31 32.28 -75.47 | 349.82 30.98 -58.40 | 304.77 25.90 -41.30 | 254.15 19.17 -33.27 | 165.95 13.68 -18.25 | 104.91 8.04 -4.37 | 78.56 4.96 -1.67 |
| HOLTSVILLE_IC_8 23697 | 64.11 4.97 0.00 | 61.56 5.08 0.00 | 58.18 3.75 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.70 3.24 0.00 | 57.57 3.56 0.00 | 61.73 4.73 0.00 | 65.37 4.16 0.00 | 67.63 3.59 0.05 | 78.74 5.70 -0.01 | 94.61 8.68 0.00 | 127.03 13.44 -0.56 | 157.06 17.62 -0.68 | 268.93 21.14 -85.07 | 285.67 22.33 -92.81 | 302.84 29.03 -43.42 | 370.31 32.28 -75.47 | 349.82 30.98 -58.40 | 304.77 25.90 -41.30 | 254.15 19.17 -33.27 | 165.95 13.68 -18.25 | 104.91 8.04 -4.37 | 78.56 4.96 -1.67 |
| HOLTSVILLE_IC_9 23698 | 64.11 4.97 0.00 | 61.56 5.08 0.00 | 58.18 3.75 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.70 3.24 0.00 | 57.57 3.56 0.00 | 61.73 4.73 0.00 | 65.37 4.16 0.00 | 67.63 3.59 0.05 | 78.74 5.70 -0.01 | 94.61 8.68 0.00 | 127.03 13.44 -0.56 | 157.06 17.62 -0.68 | 268.93 21.14 -85.07 | 285.67 22.33 -92.81 | 302.84 29.03 -43.42 | 370.31 32.28 -75.47 | 349.82 30.98 -58.40 | 304.77 25.90 -41.30 | 254.15 19.17 -33.27 | 165.95 13.68 -18.25 | 104.91 8.04 -4.37 | 78.56 4.96 -1.67 |
| HOMER_HL_115KV_TB2 355744 | 58.25 -0.89 0.00 | 55.23 -1.24 0.00 | 52.69 -1.74 0.00 | 48.11 -1.33 0.00 | 46.62 -1.54 0.00 | 49.87 -1.60 0.00 | 53.36 -0.65 0.00 | 55.97 -1.03 0.00 | 60.48 -0.73 0.00 | 63.45 -0.64 0.00 | 73.33 0.29 0.00 | 87.57 1.63 0.00 | 113.14 0.11 0.00 | 136.25 -2.50 0.00 | 158.16 -4.56 0.00 | 168.60 -5.12 -3.19 | 224.91 -11.06 -5.59 | 257.73 -11.81 -7.00 | 260.12 -9.90 -9.57 | 236.98 -6.18 -5.59 | 198.48 -3.23 0.00 | 133.75 -0.27 0.00 | 93.33 0.83 0.00 | 73.37 1.44 0.00 |
| HOWARD_WT_PWR 323690 | 59.73 0.59 0.00 | 56.42 -0.06 0.00 | 53.89 -0.54 0.00 | 49.25 -0.20 0.00 | 47.77 -0.39 0.00 | 51.15 -0.31 0.00 | 54.55 0.54 0.00 | 57.34 0.34 0.00 | 61.70 0.49 0.00 | 64.86 0.77 0.00 | 74.79 1.75 0.00 | 88.86 2.92 0.00 | 114.39 1.36 0.00 | 138.47 -0.28 0.00 | 160.77 -1.95 0.00 | 171.08 -3.06 -3.62 | 230.27 -6.45 -6.33 | 264.45 -6.03 -7.93 | 269.18 -2.86 -11.60 | 249.83 2.13 -10.12 | 212.79 4.24 -6.85 | 143.40 5.22 -4.17 | 97.72 4.26 -0.97 | 75.02 3.09 0.00 |
| HQ_GEN_CEDARS 23644 | 58.08 -1.06 0.00 | 55.97 -0.51 0.00 | 53.94 -0.49 0.00 | 49.10 -0.35 0.00 | 47.77 -0.39 0.00 | 51.15 -0.31 0.00 | 53.47 -0.54 0.00 | 56.32 -0.68 0.00 | 60.41 -0.80 0.00 | 62.88 -1.22 0.00 | 70.99 -2.05 0.00 | 82.50 -3.44 0.00 | 108.05 -4.97 0.00 | 130.70 -8.05 0.01 | 151.63 -9.27 1.81 | 160.97 -9.55 0.00 | 218.18 -12.21 0.00 | 249.16 -13.39 0.00 | 247.16 -13.28 0.00 | 225.69 -11.88 0.00 | 191.62 -10.09 0.00 | 127.99 -6.03 0.00 | 89.63 -2.87 0.00 | 70.42 -1.51 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 58.08 -1.06 0.00 | 55.86 -0.62 0.00 | 53.94 -0.49 0.00 | 49.10 -0.34 0.00 | 47.77 -0.39 0.00 | 51.15 -0.31 0.00 | 53.47 -0.54 0.00 | 56.32 -0.68 0.00 | 60.41 -0.80 0.00 | 62.87 -1.22 0.00 | 70.99 -2.04 0.00 | 82.50 -3.44 0.00 | 108.05 -4.97 0.00 | 131.25 -7.49 0.01 | 151.64 -9.27 1.81 | 160.98 -9.55 0.00 | 218.17 -12.22 0.00 | 249.17 -13.38 0.00 | 247.43 -13.01 0.00 | 225.70 -11.87 0.00 | 191.62 -10.08 0.00 | 127.45 -6.56 0.00 | 89.53 -2.96 0.00 | 70.92 -1.01 0.00 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|----------------------------|----------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|------------------------|
| HQ_GEN_IMPORT 323601 | 58.08 -1.06 0.00 | 55.74 -0.74 0.00 | 53.83 -0.60 0.00 | 48.95 -0.49 0.00 | 47.68 -0.48 0.00 | 51.00 -0.46 0.00 | 53.42 -0.59 0.00 | 56.15 -0.85 0.00 | 60.35 -0.86 0.00 | 63.06 -1.03 0.00 | 71.22 -1.82 0.00 | 83.36 -2.58 0.00 | 109.52 -3.50 0.00 | 134.30 -4.45 0.00 | 156.35 -5.21 1.16 | 165.06 -5.46 0.00 | 223.48 -6.91 0.00 | 254.68 -7.87 0.00 | 252.88 -7.56 0.00 | 230.67 -6.90 0.00 | 195.66 -6.05 0.00 | 130.00 -4.02 0.00 | 90.00 -2.49 0.00 | 70.71 -1.22 0.00 |
| HQ_GEN_WHEEL 23651 | 58.08 -1.06 0.00 | 55.74 -0.74 0.00 | 53.83 -0.60 0.00 | 48.95 -0.49 0.00 | 47.68 -0.48 0.00 | 51.00 -0.46 0.00 | 53.42 -0.59 0.00 | 56.15 -0.85 0.00 | 60.35 -0.86 0.00 | 63.06 -1.03 0.00 | 71.22 -1.82 0.00 | 83.36 -2.58 0.00 | 109.52 -3.50 0.00 | 134.30 -4.45 0.00 | 156.35 -5.21 1.16 | 165.06 -5.46 0.00 | 223.48 -6.91 0.00 | 254.68 -7.87 0.00 | 252.88 -7.56 0.00 | 230.67 -6.90 0.00 | 195.66 -6.05 0.00 | 130.00 -4.02 0.00 | 90.00 -2.49 0.00 | 70.71 -1.22 0.00 |
| HUDSON AVE_GT_3 23810 | 63.46 4.32 0.00 | 60.37 3.90 0.00 | 57.80 3.37 0.00 | 52.51 3.07 0.00 | 51.34 3.18 0.00 | 54.55 3.09 0.00 | 57.74 3.73 0.00 | 61.73 4.73 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.93 7.99 0.00 | 124.78 11.75 0.00 | 157.16 15.82 -2.60 | 188.04 18.39 -6.93 | 217.46 20.29 -26.64 | 298.61 28.11 -40.11 | 341.42 30.72 -48.15 | 353.81 29.17 -64.20 | 311.88 24.71 -49.60 | 260.74 19.57 -39.47 | 165.62 10.86 -20.75 | 103.33 7.03 -3.80 | 76.46 4.53 0.00 |
| HUDSON AVE_GT_4 23540 | 63.46 4.32 0.00 | 60.37 3.90 0.00 | 57.80 3.37 0.00 | 52.51 3.07 0.00 | 51.34 3.18 0.00 | 54.55 3.09 0.00 | 57.74 3.73 0.00 | 61.73 4.73 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.93 7.99 0.00 | 124.78 11.75 0.00 | 157.16 15.82 -2.60 | 188.04 18.39 -6.93 | 217.46 20.29 -26.64 | 298.61 28.11 -40.11 | 341.42 30.72 -48.15 | 353.81 29.17 -64.20 | 311.88 24.71 -49.60 | 260.74 19.57 -39.47 | 165.62 10.86 -20.75 | 103.33 7.03 -3.80 | 76.46 4.53 0.00 |
| HUDSON AVE_GT_5 23657 | 63.46 4.32 0.00 | 60.37 3.90 0.00 | 57.80 3.37 0.00 | 52.51 3.07 0.00 | 51.34 3.18 0.00 | 54.55 3.09 0.00 | 57.74 3.73 0.00 | 61.73 4.73 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.93 7.99 0.00 | 124.78 11.75 0.00 | 157.16 15.82 -2.60 | 188.04 18.39 -6.93 | 217.46 20.29 -26.64 | 298.61 28.11 -40.11 | 341.42 30.72 -48.15 | 353.81 29.17 -64.20 | 311.88 24.71 -49.60 | 260.74 19.57 -39.47 | 165.62 10.86 -20.75 | 103.33 7.03 -3.80 | 76.46 4.53 0.00 |
| HUDSON_AVE_10 24168 | 63.40 4.26 0.00 | 60.26 3.78 0.00 | 57.70 3.27 0.00 | 52.41 2.97 0.00 | 51.24 3.08 0.00 | 54.45 2.98 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.86 4.65 0.00 | 69.16 5.06 0.00 | 79.10 6.06 0.00 | 93.76 7.82 0.00 | 124.55 11.53 0.00 | 157.98 15.54 -3.69 | 189.78 18.06 -9.00 | 217.12 19.95 -26.64 | 299.02 27.88 -40.75 | 341.15 30.46 -48.15 | 357.21 28.91 -67.86 | 316.32 24.47 -54.28 | 263.83 19.16 -42.97 | 166.77 10.59 -22.17 | 103.23 6.94 -3.80 | 76.39 4.46 0.00 |
| HUDSON___115KV_TB 4 355613 | 61.92 2.78 0.00 | 58.73 2.26 0.00 | 56.50 2.07 0.00 | 51.22 1.78 0.00 | 49.94 1.78 0.00 | 53.31 1.85 0.00 | 55.90 1.89 0.00 | 58.94 1.94 0.00 | 63.11 1.90 0.00 | 65.82 1.73 0.00 | 75.27 2.26 0.03 | 87.34 2.75 1.34 | 109.09 4.18 8.12 | 104.30 5.97 40.42 | 80.53 7.48 89.67 | 78.23 8.53 100.82 | 132.87 11.98 109.50 | 193.72 14.18 83.01 | 230.94 14.32 43.83 | 291.50 12.59 -41.34 | 166.23 11.30 46.77 | 104.03 7.10 37.09 | 104.76 4.07 -8.20 | 75.10 3.16 0.00 |
| HUNTER MOUNT___DRP 323613 | 62.33 3.19 0.00 | 59.07 2.60 0.00 | 56.88 2.45 0.00 | 51.52 2.08 0.00 | 50.18 2.02 0.00 | 53.67 2.21 0.00 | 56.22 2.21 0.00 | 59.16 2.17 0.00 | 63.41 2.20 0.00 | 66.02 1.92 0.00 | 75.65 2.63 0.02 | 87.16 3.18 1.95 | 105.95 4.75 11.82 | 108.83 6.66 36.58 | 99.75 8.14 71.10 | 104.07 9.38 75.83 | 152.69 13.36 91.06 | 225.30 16.02 53.27 | 258.68 16.41 18.18 | 297.78 14.25 -45.95 | 189.45 13.11 25.36 | 120.02 8.31 22.31 | 100.37 4.53 -3.35 | 75.67 3.74 0.00 |
| HUNTINGTON_RES_REC 323705 | 63.52 4.38 0.00 | 61.16 4.68 0.00 | 57.86 3.43 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.44 2.98 0.00 | 57.31 3.30 0.00 | 61.39 4.39 0.00 | 64.82 3.61 0.00 | 66.90 2.95 0.14 | 77.93 4.89 0.00 | 93.46 7.65 0.12 | 125.12 11.97 -0.12 | 155.58 16.09 -0.74 | 595.60 19.68 -413.20 | 533.46 21.31 -341.63 | 300.83 28.56 -41.88 | 457.48 31.76 -163.17 | 346.85 30.20 -56.21 | 302.99 25.17 -40.25 | 252.05 17.75 -32.59 | 164.36 12.07 -18.28 | 103.80 6.94 -4.36 | 77.91 4.32 -1.66 |
| HUNTLEY___63 23557 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.10 -0.33 0.00 | 49.49 0.05 0.00 | 47.53 -0.63 0.00 | 50.84 -0.62 0.00 | 54.28 0.27 0.00 | 56.32 -0.68 0.00 | 60.78 -0.43 0.00 | 64.09 0.00 0.00 | 73.62 0.58 0.00 | 87.91 1.98 0.00 | 113.02 0.00 0.00 | 135.70 -3.05 0.00 | 157.02 -5.70 0.00 | 166.49 -6.65 -2.61 | 219.75 -15.21 -4.57 | 252.00 -16.28 -5.73 | 253.44 -14.85 -7.84 | 231.69 -10.45 -4.57 | 195.45 -6.25 0.00 | 132.81 -1.21 0.00 | 92.59 0.09 0.00 | 74.23 2.30 0.00 |
| HUNTLEY___64 23558 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.10 -0.33 0.00 | 49.49 0.05 0.00 | 47.53 -0.63 0.00 | 50.84 -0.62 0.00 | 54.28 0.27 0.00 | 56.32 -0.68 0.00 | 60.78 -0.43 0.00 | 64.09 0.00 0.00 | 73.62 0.58 0.00 | 87.91 1.98 0.00 | 113.02 0.00 0.00 | 135.70 -3.05 0.00 | 157.02 -5.70 0.00 | 166.49 -6.65 -2.61 | 219.75 -15.21 -4.57 | 252.00 -16.28 -5.73 | 253.44 -14.85 -7.84 | 231.69 -10.45 -4.57 | 195.45 -6.25 0.00 | 132.81 -1.21 0.00 | 92.59 0.09 0.00 | 74.23 2.30 0.00 |
| HUNTLEY___65 23559 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.10 -0.33 0.00 | 49.49 0.05 0.00 | 47.53 -0.63 0.00 | 50.84 -0.62 0.00 | 54.28 0.27 0.00 | 56.32 -0.68 0.00 | 60.78 -0.43 0.00 | 64.09 0.00 0.00 | 73.62 0.58 0.00 | 87.91 1.98 0.00 | 113.02 0.00 0.00 | 135.70 -3.05 0.00 | 157.02 -5.70 0.00 | 166.49 -6.65 -2.61 | 219.75 -15.21 -4.57 | 252.00 -16.28 -5.73 | 253.44 -14.85 -7.84 | 231.69 -10.45 -4.57 | 195.45 -6.25 0.00 | 132.81 -1.21 0.00 | 92.59 0.09 0.00 | 74.23 2.30 0.00 |
| HUNTLEY___66 23560 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.10 -0.33 0.00 | 49.49 0.05 0.00 | 47.53 -0.63 0.00 | 50.84 -0.62 0.00 | 54.28 0.27 0.00 | 56.32 -0.68 0.00 | 60.78 -0.43 0.00 | 64.09 0.00 0.00 | 73.62 0.58 0.00 | 87.91 1.98 0.00 | 113.02 0.00 0.00 | 135.70 -3.05 0.00 | 157.02 -5.70 0.00 | 166.49 -6.65 -2.61 | 219.75 -15.21 -4.57 | 252.00 -16.28 -5.73 | 253.44 -14.85 -7.84 | 231.69 -10.45 -4.57 | 195.45 -6.25 0.00 | 132.81 -1.21 0.00 | 92.59 0.09 0.00 | 74.23 2.30 0.00 |
| HUNTLEY___67 23561 | 59.14 0.00 0.00 | 56.36 -0.11 0.00 | 53.56 -0.87 0.00 | 49.05 -0.40 0.00 | 47.24 -0.91 0.00 | 50.53 -0.93 0.00 | 53.96 -0.05 0.00 | 56.03 -0.97 0.00 | 60.41 -0.80 0.00 | 63.71 -0.38 0.00 | 73.40 0.37 0.00 | 87.74 1.80 0.00 | 112.91 -0.11 0.00 | 135.56 -3.19 0.00 | 157.02 -5.70 0.00 | 166.55 -6.65 -2.67 | 220.09 -14.98 -4.68 | 252.66 -15.75 -5.86 | 253.88 -14.58 -8.02 | 232.03 -10.22 -4.68 | 195.65 -6.05 0.00 | 132.94 -1.07 0.00 | 92.59 0.09 0.00 | 74.02 2.09 0.00 |
| HUNTLEY___68 23562 | 59.14 0.00 0.00 | 56.36 -0.11 0.00 | 53.56 -0.87 0.00 | 49.05 -0.40 0.00 | 47.24 -0.91 0.00 | 50.53 -0.93 0.00 | 53.96 -0.05 0.00 | 56.03 -0.97 0.00 | 60.41 -0.80 0.00 | 63.71 -0.38 0.00 | 73.40 0.37 0.00 | 87.74 1.80 0.00 | 112.91 -0.11 0.00 | 135.56 -3.19 0.00 | 157.02 -5.70 0.00 | 166.55 -6.65 -2.67 | 220.09 -14.98 -4.68 | 252.66 -15.75 -5.86 | 253.88 -14.58 -8.02 | 232.03 -10.22 -4.68 | 195.65 -6.05 0.00 | 132.94 -1.07 0.00 | 92.59 0.09 0.00 | 74.02 2.09 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|------------------------|
| HYLAND___LFGE 323620 | 61.15 2.01 0.00 | 57.94 1.47 0.00 | 55.25 0.82 0.00 | 50.38 0.94 0.00 | 48.74 0.58 0.00 | 52.23 0.77 0.00 | 55.52 1.51 0.00 | 57.86 0.86 0.00 | 61.33 0.12 0.00 | 63.65 -0.45 0.00 | 72.75 -0.29 0.00 | 86.19 0.26 0.00 | 105.00 -8.02 0.00 | 126.68 -12.07 0.00 | 146.61 -16.11 0.00 | 158.27 -15.18 -2.92 | 214.31 -21.19 -5.12 | 248.75 -20.21 -6.41 | 255.14 -14.07 -8.77 | 237.69 -5.00 -5.12 | 200.90 -0.80 0.00 | 135.49 1.48 0.00 | 98.60 6.10 0.00 | 75.88 3.95 0.00 |
| INDECK___CORINTH 23802 | 62.75 3.61 0.00 | 59.58 3.10 0.00 | 57.04 2.61 0.00 | 51.57 2.12 0.00 | 50.27 2.12 0.00 | 53.78 2.32 0.00 | 56.55 2.54 0.00 | 59.79 2.79 0.00 | 64.21 3.00 0.00 | 66.91 2.82 0.00 | 76.19 3.14 -0.01 | 89.98 4.04 0.00 | 119.12 6.10 0.00 | 156.50 7.77 -9.98 | 198.97 9.60 -26.66 | 288.56 10.75 -107.28 | 407.86 14.76 -162.72 | 475.63 17.32 -195.75 | 560.33 20.06 -279.83 | 549.04 18.29 -293.17 | 539.14 16.14 -321.29 | 351.45 10.58 -206.85 | 138.59 7.03 -39.07 | 76.32 4.39 0.00 |
| INDECK___ILION 23567 | 59.67 0.53 0.00 | 56.87 0.40 0.00 | 54.81 0.38 0.00 | 49.74 0.30 0.00 | 48.49 0.34 0.00 | 51.82 0.36 0.00 | 54.44 0.43 0.00 | 57.51 0.51 0.00 | 61.82 0.61 0.00 | 64.67 0.58 0.00 | 73.91 0.88 0.00 | 87.05 1.12 0.00 | 114.49 1.47 0.00 | 140.42 1.67 0.00 | 165.03 1.79 -0.52 | 172.23 1.71 0.00 | 232.69 2.30 0.00 | 265.44 2.89 0.00 | 263.57 3.13 0.00 | 240.42 2.85 0.00 | 204.33 2.62 0.00 | 135.76 1.74 0.00 | 93.79 1.29 0.00 | 72.79 0.86 0.00 |
| INDECK___OLEAN 23982 | 58.26 -0.89 0.00 | 55.29 -1.19 0.00 | 52.69 -1.74 0.00 | 48.11 -1.33 0.00 | 46.52 -1.64 0.00 | 49.76 -1.70 0.00 | 53.36 -0.65 0.00 | 55.86 -1.14 0.00 | 60.48 -0.73 0.00 | 63.45 -0.64 0.00 | 73.26 0.22 0.00 | 87.57 1.63 0.00 | 113.02 0.00 0.00 | 136.26 -2.49 0.00 | 158.16 -4.56 0.00 | 168.09 -5.62 -3.19 | 224.92 -11.05 -5.59 | 257.74 -11.81 -7.00 | 259.59 -10.43 -9.57 | 236.75 -6.40 -5.59 | 198.47 -3.24 0.00 | 133.75 -0.27 0.00 | 93.32 0.83 0.00 | 72.08 0.14 0.00 |
| INDECK___OSWEGO 23783 | 57.78 -1.36 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.02 -1.44 0.00 | 52.61 -1.40 0.00 | 55.58 -1.42 0.00 | 59.74 -1.47 0.00 | 62.62 -1.47 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 111.10 -1.92 0.00 | 135.98 -2.77 0.00 | 159.29 -3.42 0.00 | 166.93 -3.59 0.00 | 225.32 -5.07 0.00 | 257.03 -5.53 0.00 | 255.24 -5.21 0.00 | 233.53 -4.04 0.00 | 198.47 -3.24 0.00 | 132.41 -1.60 0.00 | 91.20 -1.30 0.00 | 70.56 -1.37 0.00 |
| INDECK___YERKES 23781 | 59.67 0.53 0.00 | 56.87 0.40 0.00 | 54.16 -0.27 0.00 | 49.54 0.10 0.00 | 47.68 -0.48 0.00 | 50.74 -0.72 0.00 | 54.34 0.33 0.00 | 56.26 -0.74 0.00 | 60.91 -0.30 0.00 | 64.22 0.13 0.00 | 73.62 0.58 0.00 | 87.91 1.98 0.00 | 112.80 -0.23 0.00 | 135.70 -3.05 0.00 | 156.70 -6.02 0.00 | 164.95 -8.18 -2.61 | 219.75 -15.21 -4.57 | 252.26 -16.02 -5.73 | 252.66 -15.62 -7.84 | 231.22 -10.92 -4.57 | 195.45 -6.25 0.00 | 132.68 -1.34 0.00 | 92.59 0.09 0.00 | 72.80 0.87 0.00 |
| INDIAN POINT_GT_1 24139 | 62.75 3.61 0.00 | 59.58 3.11 0.00 | 57.10 2.67 0.00 | 51.87 2.42 0.00 | 50.71 2.55 0.00 | 53.93 2.47 0.00 | 56.93 2.92 0.00 | 60.76 3.76 0.00 | 65.07 3.86 0.00 | 68.19 4.10 0.00 | 78.30 5.26 0.00 | 92.73 6.79 0.00 | 122.97 9.95 0.00 | 154.75 13.46 -2.54 | 185.28 15.78 -6.78 | 214.16 17.39 -26.24 | 294.14 24.19 -39.56 | 336.57 26.52 -47.50 | 348.83 25.00 -63.38 | 307.96 21.38 -49.00 | 257.54 16.94 -38.90 | 164.12 9.65 -20.45 | 102.45 6.20 -3.76 | 75.96 4.03 0.00 |
| INDIAN POINT_GT_2 23659 | 62.75 3.61 0.00 | 59.58 3.11 0.00 | 57.10 2.67 0.00 | 51.87 2.42 0.00 | 50.71 2.55 0.00 | 53.93 2.47 0.00 | 56.93 2.92 0.00 | 60.76 3.76 0.00 | 65.07 3.86 0.00 | 68.19 4.10 0.00 | 78.30 5.26 0.00 | 92.73 6.79 0.00 | 122.97 9.95 0.00 | 154.75 13.46 -2.54 | 185.28 15.78 -6.78 | 214.16 17.39 -26.24 | 294.14 24.19 -39.56 | 336.57 26.52 -47.50 | 348.83 25.00 -63.38 | 307.96 21.38 -49.00 | 257.54 16.94 -38.90 | 164.12 9.65 -20.45 | 102.45 6.20 -3.76 | 75.96 4.03 0.00 |
| INDIAN POINT_GT_3 24019 | 62.75 3.61 0.00 | 59.58 3.11 0.00 | 57.10 2.67 0.00 | 51.87 2.42 0.00 | 50.71 2.55 0.00 | 53.93 2.47 0.00 | 56.93 2.92 0.00 | 60.76 3.76 0.00 | 65.07 3.86 0.00 | 68.19 4.10 0.00 | 78.30 5.26 0.00 | 92.73 6.79 0.00 | 122.97 9.95 0.00 | 154.75 13.46 -2.54 | 185.28 15.78 -6.78 | 214.16 17.39 -26.24 | 294.14 24.19 -39.56 | 336.57 26.52 -47.50 | 348.83 25.00 -63.38 | 307.96 21.38 -49.00 | 257.54 16.94 -38.90 | 164.12 9.65 -20.45 | 102.45 6.20 -3.76 | 75.96 4.03 0.00 |
| INDIAN POINT___2 23530 | 62.63 3.49 0.00 | 59.64 3.16 0.00 | 57.04 2.61 0.00 | 51.77 2.32 0.00 | 50.61 2.45 0.00 | 53.88 2.42 0.00 | 56.82 2.81 0.00 | 60.70 3.70 0.00 | 64.94 3.73 0.00 | 68.07 3.98 0.00 | 78.15 5.11 0.00 | 92.46 6.53 0.00 | 122.75 9.72 0.00 | 154.23 13.04 -2.44 | 185.02 15.78 -6.52 | 213.55 17.40 -25.63 | 292.63 23.51 -38.73 | 334.83 25.75 -46.54 | 347.11 24.47 -62.19 | 306.37 20.66 -48.14 | 256.04 16.33 -38.01 | 163.39 9.38 -19.99 | 102.30 6.10 -3.70 | 75.38 3.45 0.00 |
| INDIAN POINT___3 23531 | 62.63 3.49 0.00 | 59.47 2.99 0.00 | 57.04 2.61 0.00 | 51.77 2.32 0.00 | 50.61 2.46 0.00 | 53.83 2.37 0.00 | 56.82 2.81 0.00 | 60.65 3.65 0.00 | 64.88 3.67 0.00 | 68.07 3.97 0.00 | 78.15 5.11 0.00 | 92.47 6.53 0.00 | 122.63 9.61 0.00 | 154.33 13.04 -2.54 | 184.80 15.30 -6.79 | 213.50 16.71 -26.27 | 293.25 23.27 -39.59 | 335.55 25.47 -47.53 | 348.09 24.22 -63.43 | 307.04 20.43 -49.03 | 256.98 16.34 -38.93 | 163.74 9.25 -20.47 | 102.27 6.01 -3.76 | 75.74 3.81 0.00 |
| INGHAM_C_115KV_TB7 356103 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.70 0.27 0.00 | 49.64 0.20 0.00 | 48.40 0.24 0.00 | 51.77 0.31 0.00 | 54.44 0.43 0.00 | 57.51 0.51 0.00 | 61.76 0.55 0.00 | 64.67 0.58 0.00 | 73.91 0.88 0.00 | 86.88 0.95 0.00 | 114.15 1.13 0.00 | 139.86 1.11 0.00 | 164.05 0.81 -0.52 | 171.21 0.68 0.00 | 230.85 0.46 0.00 | 263.60 1.05 0.00 | 262.27 1.82 0.00 | 239.47 1.90 0.00 | 203.52 1.82 0.00 | 135.36 1.34 0.00 | 93.70 1.20 0.00 | 72.79 0.86 0.00 |
| IP CORINTH___1 23988 | 63.10 3.96 0.00 | 59.86 3.39 0.00 | 57.37 2.94 0.00 | 51.87 2.42 0.00 | 50.52 2.36 0.00 | 54.09 2.62 0.00 | 56.87 2.86 0.00 | 60.13 3.13 0.00 | 64.58 3.37 0.00 | 67.30 3.20 0.00 | 76.63 3.58 -0.01 | 90.49 4.55 0.00 | 119.69 6.67 0.00 | 157.33 8.60 -9.98 | 199.79 10.41 -26.66 | 289.40 11.60 -107.28 | 409.00 15.90 -162.72 | 476.94 18.64 -195.75 | 561.89 21.62 -279.83 | 550.46 19.72 -293.17 | 540.34 17.35 -321.29 | 352.12 11.26 -206.85 | 139.06 7.49 -39.07 | 77.04 5.11 0.00 |
| IP___TICONDEROGA 23804 | 66.30 7.16 0.00 | 62.86 6.38 0.00 | 59.98 5.55 0.00 | 54.04 4.60 0.00 | 52.64 4.48 0.00 | 56.50 5.04 0.00 | 59.36 5.35 0.00 | 62.70 5.70 0.00 | 67.45 6.24 0.00 | 69.99 5.90 0.00 | 79.99 6.94 -0.01 | 94.62 8.68 0.00 | 125.34 12.32 0.00 | 164.72 15.54 -10.43 | 209.30 18.71 -27.87 | 299.62 20.46 -108.64 | 421.98 27.65 -163.95 | 492.56 33.08 -196.93 | 577.80 36.98 -280.37 | 564.14 34.45 -292.12 | 552.65 29.85 -321.09 | 360.78 19.70 -207.06 | 144.66 13.41 -38.75 | 81.21 9.28 0.00 |
| ISLIP_RES_REC 323679 | 64.52 5.38 0.00 | 61.90 5.42 0.00 | 58.51 4.08 0.00 | 52.81 3.36 0.00 | 51.53 3.37 0.00 | 54.96 3.50 0.00 | 57.90 3.89 0.00 | 62.07 5.07 0.00 | 65.86 4.65 0.00 | 68.15 4.11 0.05 | 79.47 6.43 -0.01 | 95.56 9.62 0.00 | 128.42 14.80 -0.59 | 158.87 19.42 -0.70 | 262.73 23.27 -76.75 | 281.74 24.56 -86.66 | 306.28 32.25 -43.65 | 371.96 35.97 -73.44 | 353.30 34.38 -58.48 | 307.68 28.73 -41.37 | 256.40 21.37 -33.32 | 167.43 15.14 -18.27 | 105.78 8.88 -4.40 | 79.31 5.61 -1.76 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|------------------------|
| JAMAICA__27_KV_LOAD 355505 | 64.05 4.91 0.00 | 60.77 4.29 0.00 | 58.19 3.76 0.00 | 52.81 3.36 0.00 | 51.63 3.47 0.00 | 54.86 3.40 0.00 | 58.17 4.16 0.00 | 62.30 5.30 0.00 | 66.66 5.45 0.00 | 69.99 5.90 0.00 | 79.69 6.65 0.00 | 94.53 8.59 0.00 | 125.68 17.07 0.00 | 159.80 17.07 -3.98 | 192.12 19.85 -9.55 | 219.16 22.00 -26.64 | 302.18 30.87 -40.92 | 344.57 33.87 -48.15 | 361.82 32.56 -68.82 | 320.89 27.80 -55.52 | 267.78 22.19 -43.89 | 169.02 12.46 -22.54 | 104.80 8.51 -3.80 | 77.47 5.54 0.00 |
| JANIS__SOLAR 323808 | 62.69 3.55 0.00 | 59.47 2.99 0.00 | 57.10 2.67 0.00 | 51.82 2.37 0.00 | 50.37 2.22 0.00 | 54.08 2.62 0.00 | 57.03 3.02 0.00 | 60.25 3.25 0.00 | 64.64 3.43 0.00 | 67.30 3.20 0.00 | 77.13 4.09 0.00 | 91.09 5.16 0.00 | 119.12 6.10 0.00 | 145.68 6.93 0.00 | 170.69 7.97 0.00 | 184.67 8.35 -5.79 | 252.72 12.20 -10.13 | 291.26 16.02 -12.69 | 297.73 18.49 -18.79 | 274.14 19.23 -17.34 | 232.05 17.35 -13.00 | 153.99 12.07 -7.91 | 102.47 8.14 -1.84 | 77.33 5.40 0.00 |
| JARVIS____ 23743 | 59.61 0.47 0.00 | 56.82 0.34 0.00 | 54.76 0.33 0.00 | 49.74 0.30 0.00 | 48.45 0.29 0.00 | 51.77 0.31 0.00 | 54.34 0.33 0.00 | 57.40 0.40 0.00 | 61.64 0.43 0.00 | 64.54 0.45 0.00 | 73.69 0.66 0.00 | 86.88 0.95 0.00 | 114.39 1.36 0.00 | 140.42 1.67 0.00 | 165.35 2.11 -0.52 | 172.58 2.05 0.00 | 233.16 2.77 0.00 | 265.71 3.16 0.00 | 263.58 3.14 0.00 | 240.19 2.62 0.00 | 204.13 2.43 0.00 | 135.49 1.48 0.00 | 93.51 1.02 0.00 | 72.44 0.51 0.00 |
| JENNISON____1 23625 | 62.98 3.84 0.00 | 59.75 3.28 0.00 | 57.48 3.05 0.00 | 52.11 2.67 0.00 | 50.71 2.55 0.00 | 54.39 2.93 0.00 | 57.31 3.29 0.00 | 60.70 3.70 0.00 | 65.25 4.04 0.00 | 68.13 4.04 0.00 | 78.44 5.40 0.00 | 92.90 6.96 0.00 | 121.73 8.70 0.00 | 149.02 10.27 0.00 | 174.43 11.72 0.00 | 191.26 12.11 -8.63 | 262.08 16.59 -15.10 | 301.16 19.69 -18.92 | 309.22 20.58 -28.20 | 284.34 19.96 -26.82 | 240.59 17.75 -21.13 | 158.94 12.06 -12.86 | 103.72 8.23 -2.99 | 77.83 5.90 0.00 |
| JENNISON____2 23626 | 62.98 3.84 0.00 | 59.75 3.28 0.00 | 57.48 3.05 0.00 | 52.11 2.67 0.00 | 50.71 2.55 0.00 | 54.39 2.93 0.00 | 57.31 3.29 0.00 | 60.70 3.70 0.00 | 65.25 4.04 0.00 | 68.13 4.04 0.00 | 78.44 5.40 0.00 | 92.90 6.96 0.00 | 121.73 8.70 0.00 | 149.02 10.27 0.00 | 174.43 11.72 0.00 | 191.26 12.11 -8.63 | 262.08 16.59 -15.10 | 301.16 19.69 -18.92 | 309.22 20.58 -28.20 | 284.34 19.96 -26.82 | 240.59 17.75 -21.13 | 158.94 12.06 -12.86 | 103.72 8.23 -2.99 | 77.83 5.90 0.00 |
| JERICOHO_RISE_WT_PWR 323719 | 56.42 -2.72 0.00 | 54.39 -2.09 0.00 | 52.63 -1.79 0.00 | 47.96 -1.48 0.00 | 46.66 -1.49 0.00 | 49.97 -1.49 0.00 | 52.34 -1.67 0.00 | 55.23 -1.77 0.00 | 59.43 -1.78 0.00 | 61.91 -2.18 0.00 | 69.75 -3.29 0.00 | 81.13 -4.81 0.00 | 106.47 -6.56 0.00 | 130.69 -8.05 0.01 | 151.55 -9.27 1.90 | 161.14 -9.38 0.00 | 218.65 -11.74 0.00 | 249.69 -12.86 0.00 | 247.95 -12.50 0.00 | 226.89 -10.69 0.00 | 192.43 -9.28 0.00 | 127.85 -6.16 0.00 | 88.88 -3.61 0.00 | 70.35 -1.58 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 63.10 3.96 0.00 | 59.98 3.50 0.00 | 57.42 2.99 0.00 | 52.21 2.77 0.00 | 50.95 2.79 0.00 | 54.24 2.78 0.00 | 57.25 3.24 0.00 | 61.10 4.10 0.00 | 65.56 4.35 0.00 | 68.71 4.61 0.00 | 79.10 6.06 0.00 | 93.50 7.56 0.00 | 124.10 11.08 0.00 | 156.09 14.71 -2.63 | 187.16 17.41 -7.03 | 216.82 19.27 -27.03 | 297.57 26.49 -40.69 | 340.54 29.14 -48.84 | 353.19 27.61 -65.14 | 311.47 23.52 -50.38 | 260.81 18.96 -40.15 | 166.12 10.99 -21.11 | 103.40 7.03 -3.87 | 76.61 4.68 0.00 |
| KCE_NY_1 323755 | 63.16 4.02 0.00 | 60.09 3.62 0.00 | 57.59 3.16 0.00 | 52.16 2.72 0.00 | 50.85 2.70 0.00 | 54.34 2.88 0.00 | 57.03 3.02 0.00 | 60.30 3.30 0.00 | 64.64 3.43 0.00 | 67.49 3.39 0.00 | 77.28 4.23 -0.01 | 91.18 5.24 0.00 | 120.48 7.46 0.00 | 159.39 9.57 -11.07 | 204.02 11.72 -29.58 | 293.86 12.80 -110.55 | 413.36 17.29 -165.68 | 481.08 19.94 -198.58 | 562.41 20.84 -281.12 | 547.23 19.01 -290.65 | 538.84 16.33 -320.81 | 352.11 10.73 -207.37 | 138.01 7.22 -38.30 | 76.75 4.82 0.00 |
| KCE_NY_6_ESR 323823 | 59.73 0.59 0.00 | 56.87 0.40 0.00 | 53.99 -0.44 0.00 | 49.39 -0.05 0.00 | 47.63 -0.53 0.00 | 50.90 -0.56 0.00 | 54.50 0.49 0.00 | 56.60 -0.40 0.00 | 61.21 0.00 0.00 | 64.48 0.39 0.00 | 74.35 1.32 0.00 | 89.03 3.09 0.00 | 114.39 1.36 0.00 | 137.79 -0.96 0.00 | 159.29 -3.42 0.00 | 168.22 -5.11 -2.81 | 224.47 -10.82 -4.91 | 257.42 -11.28 -6.15 | 258.43 -10.43 -8.42 | 236.55 -5.93 -4.91 | 199.29 -2.41 0.00 | 135.08 1.07 0.00 | 94.16 1.67 0.00 | 73.59 1.66 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 63.93 4.79 0.00 | 61.45 4.97 0.00 | 58.08 3.65 0.00 | 52.41 2.97 0.00 | 51.19 3.04 0.00 | 54.60 3.14 0.00 | 57.47 3.46 0.00 | 61.56 4.56 0.00 | 65.19 3.98 0.00 | 67.36 3.33 0.06 | 78.30 5.26 0.00 | 93.58 7.65 0.00 | 125.67 12.10 -0.54 | 155.52 16.09 -0.68 | 288.95 19.35 -106.88 | 300.58 20.80 -109.26 | 301.09 27.40 -43.30 | 374.30 30.44 -81.31 | 347.70 28.91 -58.35 | 302.82 23.98 -41.26 | 252.08 17.14 -33.24 | 164.45 12.19 -18.24 | 103.79 6.94 -4.35 | 77.65 4.10 -1.62 |
| KEDC_PORT_JEFF_GT3 24211 | 63.93 4.79 0.00 | 61.45 4.97 0.00 | 58.08 3.65 0.00 | 52.41 2.97 0.00 | 51.19 3.04 0.00 | 54.60 3.14 0.00 | 57.47 3.46 0.00 | 61.56 4.56 0.00 | 65.19 3.98 0.00 | 67.36 3.33 0.06 | 78.30 5.26 0.00 | 93.58 7.65 0.00 | 125.67 12.10 -0.54 | 155.52 16.09 -0.68 | 288.95 19.35 -106.88 | 300.58 20.80 -109.26 | 301.09 27.40 -43.30 | 374.30 30.44 -81.31 | 347.70 28.91 -58.35 | 302.82 23.98 -41.26 | 252.08 17.14 -33.24 | 164.45 12.19 -18.24 | 103.79 6.94 -4.35 | 77.65 4.10 -1.62 |
| KEDC_GLWD_GT4 24219 | 63.76 4.62 0.00 | 60.88 4.41 0.00 | 57.97 3.54 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.65 3.19 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.68 4.47 0.00 | 68.71 4.62 0.00 | 78.88 5.85 0.00 | 94.11 8.17 -0.01 | 127.45 12.10 -2.33 | 157.44 16.09 -2.60 | 193.11 19.35 -11.04 | 236.97 21.14 -45.31 | 317.42 28.80 -58.23 | 368.65 31.76 -74.35 | 357.59 30.20 -66.95 | 312.85 25.67 -49.61 | 260.55 19.37 -39.48 | 166.57 11.80 -20.76 | 106.06 7.31 -6.26 | 83.76 4.61 -7.22 |
| KEDC_GLWD_GT5 24220 | 63.76 4.62 0.00 | 60.88 4.41 0.00 | 57.97 3.54 0.00 | 52.51 3.07 0.00 | 51.29 3.13 0.00 | 54.65 3.19 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.68 4.47 0.00 | 68.71 4.62 0.00 | 78.88 5.85 0.00 | 94.11 8.17 -0.01 | 127.45 12.10 -2.33 | 157.44 16.09 -2.60 | 193.11 19.35 -11.04 | 236.97 21.14 -45.31 | 317.42 28.80 -58.23 | 368.65 31.76 -74.35 | 357.59 30.20 -66.95 | 312.85 25.67 -49.61 | 260.55 19.37 -39.48 | 166.57 11.80 -20.76 | 106.06 7.31 -6.26 | 83.76 4.61 -7.22 |
| KENSICO____ 23655 | 62.93 3.79 0.00 | 59.81 3.33 0.00 | 57.31 2.88 0.00 | 52.06 2.62 0.00 | 50.85 2.70 0.00 | 54.09 2.62 0.00 | 57.14 3.13 0.00 | 60.99 3.99 0.00 | 65.25 4.04 0.00 | 68.45 4.36 0.00 | 78.59 5.55 0.00 | 92.98 7.05 0.00 | 123.42 10.40 0.00 | 155.35 14.01 -2.59 | 186.06 16.43 -6.91 | 215.18 18.08 -26.58 | 295.52 25.11 -40.02 | 338.16 27.57 -48.04 | 350.55 26.04 -64.06 | 309.16 22.09 -49.50 | 258.64 17.55 -39.38 | 164.77 10.05 -20.70 | 102.76 6.47 -3.80 | 76.10 4.17 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 63.28 4.14 0.00 | 59.98 3.50 0.00 | 57.53 3.10 0.00 | 52.21 2.77 0.00 | 50.95 2.79 0.00 | 54.39 2.93 0.00 | 57.36 3.35 0.00 | 61.05 4.05 0.00 | 65.43 4.22 0.00 | 68.52 4.42 0.00 | 78.73 5.70 0.00 | 93.01 7.30 0.23 | 122.13 10.51 1.40 | 151.51 14.15 1.39 | 178.75 16.60 0.56 | 204.71 18.25 -15.94 | 281.87 26.03 -25.45 | 328.66 29.41 -36.70 | 342.83 28.65 -53.73 | 309.38 24.71 -47.10 | 254.00 20.17 -32.12 | 159.37 11.93 -13.42 | 103.76 7.95 -3.32 | 77.18 5.25 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|------------------------|
| KIAC_JFK_GT1 23816 | 63.40 4.26 0.00 | 60.20 3.73 0.00 | 57.59 3.16 0.00 | 52.31 2.87 0.00 | 51.14 2.99 0.00 | 54.34 2.88 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.98 4.77 0.00 | 69.28 5.19 0.00 | 78.88 5.84 0.00 | 93.58 7.65 0.00 | 124.33 11.30 0.00 | 158.27 15.54 -3.98 | 190.16 17.90 -9.55 | 217.12 19.95 -26.64 | 299.19 27.88 -40.92 | 341.42 30.72 -48.15 | 358.43 29.17 -68.82 | 317.80 24.71 -55.52 | 265.16 19.57 -43.89 | 167.28 10.72 -22.54 | 103.70 7.40 -3.80 | 76.61 4.68 0.00 |
| KIAC_JFK_GT2 23817 | 63.40 4.26 0.00 | 60.20 3.73 0.00 | 57.59 3.16 0.00 | 52.31 2.87 0.00 | 51.14 2.99 0.00 | 54.34 2.88 0.00 | 57.63 3.62 0.00 | 61.67 4.67 0.00 | 65.98 4.77 0.00 | 69.28 5.19 0.00 | 78.88 5.84 0.00 | 93.58 7.65 0.00 | 124.33 11.30 0.00 | 158.27 15.54 -3.98 | 190.16 17.90 -9.55 | 217.12 19.95 -26.64 | 299.19 27.88 -40.92 | 341.42 30.72 -48.15 | 358.43 29.17 -68.82 | 317.80 24.71 -55.52 | 265.16 19.57 -43.89 | 167.28 10.72 -22.54 | 103.70 7.40 -3.80 | 76.61 4.68 0.00 |
| KIAC_JFK____ 323774 | 63.40 4.26 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.14 2.99 0.00 | 54.39 2.93 0.00 | 57.63 3.62 0.00 | 61.73 4.73 0.00 | 65.99 4.78 0.00 | 69.28 5.19 0.00 | 78.88 5.85 0.00 | 93.50 7.56 0.00 | 124.44 11.41 0.00 | 158.13 15.40 -3.98 | 190.49 18.22 -9.55 | 217.79 20.62 -26.64 | 299.17 27.87 -40.92 | 341.40 30.70 -48.15 | 358.43 29.16 -68.82 | 318.03 24.94 -55.52 | 265.16 19.56 -43.89 | 167.41 10.85 -22.54 | 103.70 7.40 -3.80 | 76.17 4.24 0.00 |
| KINTIGH__24_KV_GSU 356498 | 59.08 -0.06 0.00 | 56.36 -0.11 0.00 | 53.67 -0.76 0.00 | 49.05 -0.40 0.00 | 47.29 -0.87 0.00 | 50.48 -0.98 0.00 | 53.90 -0.11 0.00 | 56.03 -0.97 0.00 | 60.54 -0.67 0.00 | 63.77 -0.32 0.00 | 73.33 0.29 0.00 | 87.57 1.63 0.00 | 112.69 -0.34 0.00 | 135.98 -2.77 0.00 | 157.50 -5.21 0.00 | 165.95 -6.83 -2.26 | 221.44 -12.90 -3.95 | 253.83 -13.66 -4.95 | 253.94 -13.27 -6.77 | 232.25 -9.27 -3.95 | 196.27 -5.44 0.00 | 132.94 -1.08 0.00 | 92.59 0.09 0.00 | 72.44 0.51 0.00 |
| KINTIGH____ 23543 | 59.08 -0.06 0.00 | 56.36 -0.11 0.00 | 53.67 -0.76 0.00 | 49.05 -0.40 0.00 | 47.29 -0.87 0.00 | 50.64 -0.82 0.00 | 53.90 -0.11 0.00 | 56.14 -0.85 0.00 | 60.48 -0.73 0.00 | 63.77 -0.32 0.00 | 73.40 0.37 0.00 | 87.57 1.63 0.00 | 112.80 -0.23 0.00 | 135.98 -2.78 0.00 | 157.84 -4.88 0.00 | 167.15 -5.63 -2.26 | 221.20 -13.13 -3.95 | 253.85 -13.65 -4.95 | 254.45 -12.76 -6.77 | 232.49 -9.03 -3.95 | 196.26 -5.45 0.00 | 133.08 -0.94 0.00 | 92.59 0.09 0.00 | 73.66 1.73 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 57.19 -1.95 0.00 | 55.23 -1.24 0.00 | 53.34 -1.09 0.00 | 48.60 -0.84 0.00 | 47.29 -0.87 0.00 | 50.64 -0.82 0.00 | 53.04 -0.97 0.00 | 56.14 -0.85 0.00 | 60.35 -0.86 0.00 | 62.88 -1.22 0.00 | 70.85 -2.19 0.00 | 82.24 -3.70 0.00 | 107.94 -5.09 0.00 | 132.22 -6.52 0.01 | 153.63 -7.16 1.93 | 163.36 -7.16 0.00 | 221.86 -8.52 0.00 | 253.36 -9.19 0.00 | 251.59 -8.86 0.00 | 230.21 -7.36 0.00 | 195.45 -6.25 0.00 | 130.00 -4.02 0.00 | 90.18 -2.31 0.00 | 71.07 -0.86 0.00 |
| LACHUTE____HYDRO 323717 | 66.29 7.15 0.00 | 62.91 6.44 0.00 | 59.92 5.50 0.00 | 54.04 4.60 0.00 | 52.64 4.48 0.00 | 56.51 5.05 0.00 | 59.36 5.35 0.00 | 62.70 5.70 0.00 | 67.46 6.25 0.00 | 69.99 5.89 0.00 | 79.99 6.94 -0.01 | 94.61 8.68 0.00 | 125.46 12.43 0.00 | 164.72 15.54 -10.43 | 209.45 18.87 -27.87 | 299.61 20.45 -108.64 | 421.97 27.63 -163.95 | 492.56 33.08 -196.93 | 577.54 36.73 -280.37 | 564.13 34.44 -292.12 | 552.64 29.85 -321.09 | 360.79 19.71 -207.06 | 144.65 13.41 -38.75 | 80.92 8.99 0.00 |
| LAWRNCV_115KV_TB1 80681 | 57.84 -1.30 0.00 | 55.74 -0.73 0.00 | 53.72 -0.71 0.00 | 48.85 -0.59 0.00 | 47.53 -0.63 0.00 | 50.95 -0.51 0.00 | 53.25 -0.76 0.00 | 56.09 -0.91 0.00 | 60.17 -1.04 0.00 | 62.30 -1.79 0.00 | 70.34 -2.70 0.00 | 81.47 -4.47 0.00 | 106.47 -6.56 0.00 | 128.62 -10.13 0.01 | 149.11 -12.04 1.57 | 158.08 -12.45 0.00 | 214.72 -15.67 0.00 | 245.49 -17.07 0.00 | 243.78 -16.67 0.00 | 223.08 -14.49 0.00 | 189.20 -12.51 0.00 | 126.51 -7.50 0.00 | 88.89 -3.61 0.00 | 69.92 -2.01 0.00 |
| LEDERLE____ 23769 | 62.87 3.73 0.00 | 59.69 3.22 0.00 | 57.21 2.78 0.00 | 51.92 2.47 0.00 | 50.71 2.55 0.00 | 54.03 2.57 0.00 | 57.04 3.02 0.00 | 60.87 3.88 0.00 | 65.19 3.98 0.00 | 68.39 4.29 0.00 | 78.59 5.55 0.00 | 93.07 7.13 0.00 | 123.42 10.40 0.00 | 155.14 14.01 -2.37 | 185.65 16.60 -6.34 | 213.78 18.08 -25.18 | 293.61 25.11 -38.11 | 335.94 27.57 -45.82 | 347.79 26.04 -61.30 | 307.16 22.09 -47.50 | 256.62 17.55 -37.36 | 163.87 10.19 -19.66 | 102.81 6.66 -3.66 | 76.17 4.24 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 59.14 0.00 0.00 | 56.19 -0.28 0.00 | 54.05 -0.38 0.00 | 49.05 -0.40 0.00 | 47.72 -0.43 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 56.83 -0.17 0.00 | 61.03 -0.18 0.00 | 63.84 -0.26 0.00 | 73.11 0.07 0.00 | 86.28 0.34 0.00 | 113.14 0.11 0.00 | 138.47 -0.28 0.00 | 161.25 -1.46 0.00 | 169.16 -1.36 0.00 | 228.77 -1.61 0.00 | 261.24 -1.31 0.00 | 260.18 -0.26 0.00 | 238.76 1.19 0.00 | 203.12 1.41 0.00 | 135.09 1.07 0.00 | 93.70 1.20 0.00 | 72.65 0.72 0.00 |
| LINDEN COGEN____ 23786 | 53.95 3.79 8.98 | 53.69 3.50 6.29 | 53.75 2.88 3.57 | 52.05 2.62 0.01 | 50.95 2.79 0.00 | 53.65 2.67 0.48 | 53.65 3.24 3.60 | 53.65 4.22 7.57 | 54.69 4.10 10.62 | 55.11 4.48 13.47 | 64.65 5.40 13.80 | 75.56 6.96 17.33 | 110.61 10.51 12.93 | 132.46 14.29 20.58 | 186.73 17.08 -6.93 | 216.43 19.26 -26.64 | 296.30 25.80 -40.11 | 338.51 27.82 -48.14 | 365.34 26.29 -78.60 | 309.49 22.33 -49.60 | 246.32 17.14 -27.48 | 151.38 9.38 -7.98 | 86.48 6.01 12.02 | 62.19 3.38 13.13 |
| LINDHRST_69_KV_BK1 356055 | 64.40 5.26 0.00 | 61.50 5.03 0.00 | 58.35 3.92 0.00 | 52.86 3.41 0.00 | 51.63 3.47 0.00 | 54.91 3.45 0.00 | 58.01 4.00 0.00 | 61.79 4.79 0.00 | 65.62 4.41 0.00 | 68.23 4.17 0.03 | 79.18 6.14 -0.01 | 95.31 9.37 -0.01 | 127.89 13.68 -1.18 | 158.25 18.45 -1.05 | 190.69 21.80 -6.17 | 230.50 23.53 -36.44 | 311.33 32.48 -48.46 | 358.15 36.23 -59.37 | 355.77 34.90 -60.43 | 310.25 29.70 -42.98 | 258.22 21.99 -34.53 | 167.10 14.34 -18.74 | 106.84 9.34 -5.00 | 81.93 6.47 -3.52 |
| LIPA_MISC_IPP 23656 | 63.58 4.44 0.00 | 60.71 4.24 0.00 | 57.53 3.10 0.00 | 52.11 2.67 0.00 | 50.90 2.74 0.00 | 54.09 2.62 0.00 | 57.09 3.08 0.00 | 60.82 3.82 0.00 | 64.58 3.37 0.00 | 67.06 3.01 0.05 | 78.01 4.97 0.00 | 94.01 8.08 0.00 | 125.98 12.43 -0.53 | 156.19 16.79 -0.65 | 239.71 19.53 -57.47 | 263.19 20.97 -71.69 | 300.72 27.19 -43.15 | 360.63 30.46 -67.63 | 347.64 28.91 -58.29 | 302.79 23.99 -41.22 | 253.47 18.56 -33.21 | 165.37 13.13 -18.22 | 104.78 7.95 -4.33 | 78.67 5.18 -1.56 |
| LISF____SOLAR 323691 | 63.81 4.67 0.00 | 61.22 4.74 0.00 | 57.92 3.49 0.00 | 52.21 2.77 0.00 | 51.00 2.84 0.00 | 54.39 2.93 0.00 | 57.20 3.19 0.00 | 61.33 4.33 0.00 | 65.01 3.80 0.00 | 67.19 3.14 0.05 | 78.37 5.33 0.00 | 94.27 8.33 0.00 | 126.55 12.99 -0.53 | 156.61 17.20 -0.66 | 246.66 20.34 -63.60 | 268.91 22.01 -76.38 | 301.69 28.10 -43.21 | 363.41 31.49 -69.37 | 348.95 30.20 -58.31 | 303.98 25.17 -41.24 | 253.47 18.54 -33.22 | 166.19 13.94 -18.23 | 104.60 7.77 -4.34 | 78.26 4.75 -1.59 |
| LITTLE FALLS____HYD 24013 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.70 0.27 0.00 | 49.64 0.20 0.00 | 48.40 0.24 0.00 | 51.77 0.31 0.00 | 54.44 0.43 0.00 | 57.51 0.51 0.00 | 61.76 0.55 0.00 | 64.67 0.58 0.00 | 73.91 0.88 0.00 | 86.88 0.95 0.00 | 114.15 1.13 0.00 | 139.86 1.11 0.00 | 164.05 0.81 -0.52 | 171.21 0.68 0.00 | 230.85 0.46 0.00 | 263.60 1.05 0.00 | 262.27 1.82 0.00 | 239.47 1.90 0.00 | 203.52 1.82 0.00 | 135.36 1.34 0.00 | 93.70 1.20 0.00 | 72.79 0.86 0.00 |

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| LITTLRIV_115KV_TB1 356100 | 58.67 -0.47 0.00 | 56.53 0.06 0.00 | 54.48 0.05 0.00 | 49.49 0.05 0.00 | 48.16 0.00 0.00 | 51.67 0.21 0.00 | 54.01 0.00 0.00 | 56.83 -0.17 0.00 | 60.84 -0.37 0.00 | 62.81 -1.28 0.00 | 70.92 -2.12 0.00 | 82.07 -3.87 0.00 | 107.26 -5.76 0.00 | 129.59 -9.16 0.01 | 150.45 -10.74 1.53 | 159.44 -11.08 0.00 | 216.79 -13.59 0.00 | 248.38 -14.18 0.00 | 247.42 -13.02 0.00 | 226.88 -10.69 0.00 | 192.63 -9.08 0.00 | 128.79 -5.23 0.00 | 90.37 -2.13 0.00 | 71.00 -0.94 0.00 |
| LI_NEWBRDGE___DRP 323616 | 63.28 4.14 0.00 | 60.43 3.95 0.00 | 57.48 3.05 0.00 | 52.11 2.67 0.00 | 50.90 2.74 0.00 | 54.14 2.68 0.00 | 57.20 3.19 0.00 | 60.87 3.88 0.00 | 64.64 3.43 0.00 | 67.29 3.20 0.01 | 77.86 4.82 0.00 | 93.49 7.56 0.01 | 124.35 11.19 -0.13 | 154.04 15.12 -0.16 | 183.02 17.57 -2.73 | 217.96 19.10 -28.34 | 296.49 26.26 -39.84 | 341.05 29.14 -49.36 | 344.55 27.87 -56.24 | 300.77 23.99 -39.20 | 250.95 17.55 -31.70 | 162.74 11.12 -17.60 | 103.79 7.40 -3.90 | 77.27 5.04 -0.30 |
| LOCKPORT_115KV_TB60_63_64 80432 | 59.20 0.06 0.00 | 56.42 -0.06 0.00 | 53.23 -1.20 0.00 | 48.70 -0.74 0.00 | 47.24 -0.91 0.00 | 50.53 -0.93 0.00 | 53.58 -0.43 0.00 | 55.63 -1.37 0.00 | 59.93 -1.29 0.00 | 63.26 -0.83 0.00 | 72.82 -0.22 0.00 | 87.05 1.12 0.00 | 111.56 -1.47 0.00 | 134.03 -4.72 0.00 | 155.07 -7.65 0.00 | 164.14 -8.87 -2.49 | 216.54 -18.20 -4.35 | 248.84 -19.17 -5.45 | 249.94 -17.97 -7.46 | 228.62 -13.30 -4.35 | 193.23 -8.47 0.00 | 131.47 -2.55 0.00 | 91.85 -0.65 0.00 | 73.59 1.65 0.00 |
| LOCKPORT___CC1 323769 | 58.91 -0.24 0.00 | 56.14 -0.34 0.00 | 53.07 -1.36 0.00 | 48.56 -0.89 0.00 | 46.76 -1.40 0.00 | 50.18 -1.28 0.00 | 53.42 -0.59 0.00 | 55.29 -1.71 0.00 | 59.74 -1.47 0.00 | 63.00 -1.09 0.00 | 72.53 -0.51 0.00 | 86.71 0.77 0.00 | 110.99 -2.03 0.00 | 133.48 -5.27 0.00 | 154.09 -8.63 0.00 | 161.95 -11.08 -2.51 | 215.66 -19.12 -4.39 | 247.84 -20.21 -5.50 | 248.44 -19.54 -7.53 | 227.46 -14.50 -4.39 | 192.43 -9.28 0.00 | 130.94 -3.08 0.00 | 91.48 -1.02 0.00 | 71.93 0.00 0.00 |
| LOCKPORT___CC2 323770 | 58.91 -0.24 0.00 | 56.14 -0.34 0.00 | 53.07 -1.36 0.00 | 48.56 -0.89 0.00 | 46.76 -1.40 0.00 | 50.18 -1.28 0.00 | 53.42 -0.59 0.00 | 55.29 -1.71 0.00 | 59.74 -1.47 0.00 | 63.00 -1.09 0.00 | 72.53 -0.51 0.00 | 86.71 0.77 0.00 | 110.99 -2.03 0.00 | 133.48 -5.27 0.00 | 154.09 -8.63 0.00 | 161.95 -11.08 -2.51 | 215.66 -19.12 -4.39 | 247.84 -20.21 -5.50 | 248.44 -19.54 -7.53 | 227.46 -14.50 -4.39 | 192.43 -9.28 0.00 | 130.94 -3.08 0.00 | 91.48 -1.02 0.00 | 71.93 0.00 0.00 |
| LOCKPORT___CC3 323771 | 58.91 -0.24 0.00 | 56.14 -0.34 0.00 | 53.07 -1.36 0.00 | 48.56 -0.89 0.00 | 46.76 -1.40 0.00 | 50.18 -1.28 0.00 | 53.42 -0.59 0.00 | 55.29 -1.71 0.00 | 59.74 -1.47 0.00 | 63.00 -1.09 0.00 | 72.53 -0.51 0.00 | 86.71 0.77 0.00 | 110.99 -2.03 0.00 | 133.48 -5.27 0.00 | 154.09 -8.63 0.00 | 161.95 -11.08 -2.51 | 215.66 -19.12 -4.39 | 247.84 -20.21 -5.50 | 248.44 -19.54 -7.53 | 227.46 -14.50 -4.39 | 192.43 -9.28 0.00 | 130.94 -3.08 0.00 | 91.48 -1.02 0.00 | 71.93 0.00 0.00 |
| LOCUSVLY_69_KV_BK2 55797 | 63.87 4.73 0.00 | 60.94 4.46 0.00 | 58.02 3.59 0.00 | 52.66 3.21 0.00 | 51.38 3.23 0.00 | 54.65 3.19 0.00 | 57.74 3.73 0.00 | 61.56 4.56 0.00 | 65.50 4.28 0.00 | 68.45 4.36 0.00 | 79.03 5.99 0.00 | 94.79 8.85 -0.01 | 128.05 13.11 -1.91 | 158.10 17.48 -1.87 | 192.51 20.83 -8.96 | 235.14 22.51 -42.11 | 316.10 31.10 -54.61 | 366.13 34.39 -69.19 | 357.03 32.56 -64.03 | 311.86 27.80 -46.49 | 259.63 20.78 -37.15 | 166.69 12.87 -19.81 | 106.64 8.32 -5.82 | 83.48 5.61 -5.94 |
| LONG_LAKE_PHOENIX 24014 | 58.37 -0.77 0.00 | 55.52 -0.96 0.00 | 53.40 -1.03 0.00 | 48.50 -0.94 0.00 | 47.19 -0.96 0.00 | 50.48 -0.98 0.00 | 53.15 -0.86 0.00 | 56.20 -0.80 0.00 | 60.48 -0.73 0.00 | 63.45 -0.64 0.00 | 72.75 -0.29 0.00 | 85.85 -0.09 0.00 | 112.69 -0.34 0.00 | 137.92 -0.83 0.00 | 161.74 -0.98 0.00 | 169.50 -1.02 0.00 | 228.31 -2.07 0.00 | 260.45 -2.10 0.00 | 258.62 -1.82 0.00 | 236.62 -0.95 0.00 | 201.10 -0.61 0.00 | 134.02 0.00 0.00 | 92.40 -0.09 0.00 | 71.72 -0.22 0.00 |
| LOVETT___3 23632 | 62.51 3.37 0.00 | 59.36 2.88 0.00 | 56.88 2.45 0.00 | 51.67 2.22 0.00 | 50.47 2.31 0.00 | 53.72 2.26 0.00 | 56.71 2.70 0.00 | 60.53 3.53 0.00 | 64.76 3.55 0.00 | 67.94 3.85 0.00 | 78.01 4.97 0.00 | 92.30 6.36 0.00 | 122.41 9.38 0.00 | 153.93 12.77 -2.42 | 184.14 14.97 -6.46 | 212.53 16.54 -25.47 | 291.93 23.04 -38.51 | 334.04 25.21 -46.28 | 346.01 23.70 -61.87 | 305.43 19.96 -47.90 | 255.42 15.93 -37.78 | 162.87 8.98 -19.88 | 102.00 5.83 -3.68 | 75.60 3.67 0.00 |
| LOVETT___4 23642 | 62.51 3.37 0.00 | 59.36 2.88 0.00 | 56.88 2.45 0.00 | 51.67 2.22 0.00 | 50.47 2.31 0.00 | 53.72 2.26 0.00 | 56.71 2.70 0.00 | 60.53 3.53 0.00 | 64.76 3.55 0.00 | 67.94 3.85 0.00 | 78.01 4.97 0.00 | 92.30 6.36 0.00 | 122.41 9.38 0.00 | 153.93 12.77 -2.42 | 184.14 14.97 -6.46 | 212.53 16.54 -25.47 | 291.93 23.04 -38.51 | 334.04 25.21 -46.28 | 346.01 23.70 -61.87 | 305.43 19.96 -47.90 | 255.42 15.93 -37.78 | 162.87 8.98 -19.88 | 102.00 5.83 -3.68 | 75.60 3.67 0.00 |
| LOVETT___5 23593 | 62.51 3.37 0.00 | 59.36 2.88 0.00 | 56.88 2.45 0.00 | 51.67 2.22 0.00 | 50.47 2.31 0.00 | 53.72 2.26 0.00 | 56.71 2.70 0.00 | 60.53 3.53 0.00 | 64.76 3.55 0.00 | 67.94 3.85 0.00 | 78.01 4.97 0.00 | 92.30 6.36 0.00 | 122.41 9.38 0.00 | 153.93 12.77 -2.42 | 184.14 14.97 -6.46 | 212.53 16.54 -25.47 | 291.93 23.04 -38.51 | 334.04 25.21 -46.28 | 346.01 23.70 -61.87 | 305.43 19.96 -47.90 | 255.42 15.93 -37.78 | 162.87 8.98 -19.88 | 102.00 5.83 -3.68 | 75.60 3.67 0.00 |
| LOWER RAQUET___HYD 24057 | 57.78 -1.36 0.00 | 55.52 -0.96 0.00 | 53.61 -0.81 0.00 | 48.75 -0.69 0.00 | 47.44 -0.72 0.00 | 50.85 -0.62 0.00 | 53.20 -0.81 0.00 | 56.03 -0.97 0.00 | 60.05 -1.16 0.00 | 62.11 -1.99 0.00 | 70.11 -2.92 0.00 | 81.13 -4.81 0.00 | 106.02 -7.01 0.00 | 128.06 -10.68 0.01 | 148.37 -12.86 1.49 | 157.22 -13.30 0.00 | 213.80 -16.59 0.00 | 244.17 -18.39 0.00 | 243.00 -17.45 0.00 | 222.13 -15.44 0.00 | 188.60 -13.11 0.00 | 126.11 -7.91 0.00 | 88.70 -3.80 0.00 | 70.35 -1.58 0.00 |
| LOWER___HUDSON 24059 | 62.10 2.96 0.00 | 59.13 2.65 0.00 | 56.72 2.29 0.00 | 51.42 1.98 0.00 | 50.18 2.02 0.00 | 53.52 2.06 0.00 | 56.17 2.16 0.00 | 59.45 2.45 0.00 | 63.72 2.51 0.00 | 66.66 2.57 0.00 | 76.56 3.51 -0.02 | 90.15 4.21 0.00 | 119.12 6.10 0.00 | 165.11 7.90 -18.45 | 221.94 9.93 -49.30 | 313.48 10.75 -132.20 | 429.75 14.29 -185.07 | 495.46 16.02 -216.89 | 564.87 15.89 -288.53 | 523.53 14.01 -271.95 | 529.47 12.10 -315.67 | 351.61 7.91 -209.69 | 130.36 5.08 -32.78 | 75.38 3.45 0.00 |
| LOWVILLE_115KV_TB2 356335 | 60.62 1.48 0.00 | 57.72 1.24 0.00 | 55.46 1.03 0.00 | 50.23 0.79 0.00 | 48.93 0.77 0.00 | 52.54 1.08 0.00 | 55.20 1.19 0.00 | 58.25 1.25 0.00 | 62.43 1.22 0.00 | 64.93 0.83 0.00 | 74.21 1.17 0.00 | 87.31 1.37 0.00 | 114.61 1.58 0.00 | 140.28 1.53 0.00 | 162.07 -0.49 0.16 | 170.18 -0.34 0.00 | 231.08 0.69 0.00 | 264.39 1.84 0.00 | 263.83 3.39 0.00 | 242.09 4.51 0.00 | 205.94 4.24 0.00 | 136.83 2.81 0.00 | 95.82 3.33 0.00 | 74.09 2.16 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 63.10 3.96 0.00 | 59.98 3.50 0.00 | 57.59 3.16 0.00 | 52.11 2.67 0.00 | 50.81 2.65 0.00 | 54.29 2.83 0.00 | 56.98 2.97 0.00 | 60.25 3.25 0.00 | 64.58 3.37 0.00 | 67.43 3.33 0.00 | 77.21 4.16 -0.01 | 91.09 5.16 0.00 | 120.37 7.35 0.00 | 159.26 9.44 -11.07 | 203.69 11.39 -29.58 | 293.52 12.45 -110.55 | 413.12 17.05 -165.68 | 480.83 19.69 -198.58 | 562.14 20.58 -281.12 | 546.99 18.77 -290.65 | 538.65 16.14 -320.81 | 351.97 10.59 -207.37 | 137.91 7.12 -38.30 | 76.97 5.04 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 63.16 4.02 0.00 | 60.03 3.56 0.00 | 57.59 3.16 0.00 | 52.16 2.72 0.00 | 50.85 2.70 0.00 | 54.34 2.88 0.00 | 57.04 3.02 0.00 | 60.30 3.31 0.00 | 64.64 3.43 0.00 | 67.49 3.40 0.00 | 77.29 4.24 -0.01 | 91.09 5.16 0.00 | 120.48 7.46 0.00 | 159.40 9.57 -11.07 | 203.85 11.55 -29.58 | 293.86 12.79 -110.55 | 413.35 17.28 -165.68 | 481.09 19.95 -198.58 | 562.40 20.84 -281.12 | 547.22 19.01 -290.65 | 538.85 16.34 -320.81 | 352.11 10.72 -207.37 | 138.00 7.21 -38.30 | 77.04 5.11 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 59.26 0.12 0.00 | 56.65 0.17 0.00 | 54.54 0.11 0.00 | 49.49 0.05 0.00 | 48.16 0.00 0.00 | 51.72 0.26 0.00 | 54.17 0.16 0.00 | 57.17 0.17 0.00 | 61.27 0.06 0.00 | 63.52 -0.58 0.00 | 72.23 -0.80 0.00 | 84.30 -1.63 0.00 | 110.43 -2.60 0.00 | 134.31 -4.44 0.00 | 154.65 -7.16 0.91 | 163.36 -7.16 0.00 | 221.86 -8.52 0.00 | 253.89 -8.66 0.00 | 252.89 -7.55 0.00 | 232.11 -5.46 0.00 | 197.27 -4.44 0.00 | 131.34 -2.68 0.00 | 92.49 0.00 0.00 | 72.07 0.14 0.00 |
| LYONS_FALL_HYD 23570 | 60.74 1.60 0.00 | 57.78 1.30 0.00 | 55.57 1.14 0.00 | 50.33 0.89 0.00 | 49.03 0.87 0.00 | 52.59 1.13 0.00 | 55.25 1.24 0.00 | 58.36 1.37 0.00 | 62.62 1.41 0.00 | 65.31 1.21 0.00 | 74.72 1.68 0.00 | 88.09 2.15 0.00 | 115.73 2.71 0.00 | 140.69 1.94 0.00 | 164.83 2.11 0.00 | 172.73 2.21 0.00 | 234.30 3.91 0.00 | 267.80 5.25 0.00 | 266.68 6.24 0.00 | 244.21 6.64 0.00 | 207.75 6.05 0.00 | 138.98 4.96 0.00 | 96.01 3.51 0.00 | 74.09 2.16 0.00 |
| MADISON___COUNTY_LFGE 323628 | 60.91 1.77 0.00 | 57.89 1.41 0.00 | 55.68 1.25 0.00 | 50.48 1.04 0.00 | 49.12 0.96 0.00 | 52.64 1.18 0.00 | 55.36 1.35 0.00 | 58.54 1.54 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.52 2.48 0.00 | 89.20 3.27 0.00 | 117.32 4.29 0.00 | 144.02 5.27 0.00 | 168.80 5.86 -0.22 | 176.49 5.97 0.00 | 238.91 8.52 0.00 | 272.53 9.98 0.00 | 270.86 10.42 0.00 | 247.79 10.22 0.00 | 210.78 9.08 0.00 | 140.05 6.03 0.00 | 96.66 4.16 0.00 | 74.74 2.81 0.00 |
| MALONE___115KV_TB1 356076 | 57.43 -1.72 0.00 | 55.40 -1.07 0.00 | 53.45 -0.98 0.00 | 48.70 -0.74 0.00 | 47.39 -0.77 0.00 | 50.79 -0.67 0.00 | 53.20 -0.81 0.00 | 56.26 -0.74 0.00 | 60.48 -0.73 0.00 | 62.88 -1.22 0.00 | 70.85 -2.19 0.00 | 82.07 -3.87 0.00 | 107.60 -5.43 0.00 | 131.39 -7.35 0.01 | 152.62 -8.30 1.79 | 162.17 -8.36 0.00 | 220.02 -10.37 0.00 | 251.53 -11.03 0.00 | 249.77 -10.68 0.00 | 228.54 -9.03 0.00 | 194.04 -7.66 0.00 | 129.19 -4.82 0.00 | 89.90 -2.59 0.00 | 70.85 -1.08 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 61.68 2.54 0.00 | 58.62 2.15 0.00 | 56.39 1.96 0.00 | 51.12 1.68 0.00 | 49.89 1.73 0.00 | 53.21 1.75 0.00 | 55.79 1.78 0.00 | 58.99 1.99 0.00 | 63.35 2.14 0.00 | 66.27 2.18 0.00 | 75.91 2.85 -0.02 | 89.37 3.44 0.00 | 118.11 5.09 0.00 | 165.71 6.94 -20.03 | 224.83 8.62 -53.49 | 310.04 9.38 -130.14 | 420.58 12.67 -177.52 | 482.89 14.18 -206.16 | 540.40 13.54 -266.41 | 486.83 11.64 -237.62 | 492.49 9.88 -280.90 | 330.38 6.30 -190.06 | 123.41 4.07 -26.85 | 74.81 2.88 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 57.90 -1.24 0.00 | 55.35 -1.13 0.00 | 53.34 -1.09 0.00 | 48.46 -0.99 0.00 | 47.19 -0.96 0.00 | 50.48 -0.98 0.00 | 53.04 -0.97 0.00 | 56.15 -0.85 0.00 | 60.41 -0.80 0.00 | 63.33 -0.77 0.00 | 72.02 -1.02 0.00 | 84.30 -1.64 0.00 | 110.65 -2.38 0.00 | 135.54 -3.19 0.02 | 153.08 -3.91 5.73 | 166.43 -4.09 0.00 | 225.32 -5.07 0.00 | 257.03 -5.53 0.00 | 255.49 -4.96 0.00 | 233.30 -4.27 0.00 | 198.08 -3.62 0.00 | 131.47 -2.55 0.00 | 90.83 -1.66 0.00 | 70.92 -1.01 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 57.90 -1.24 0.00 | 55.35 -1.13 0.00 | 53.34 -1.09 0.00 | 48.46 -0.99 0.00 | 47.19 -0.96 0.00 | 50.48 -0.98 0.00 | 53.04 -0.97 0.00 | 56.15 -0.85 0.00 | 60.41 -0.80 0.00 | 63.33 -0.77 0.00 | 72.02 -1.02 0.00 | 84.30 -1.64 0.00 | 110.65 -2.38 0.00 | 135.54 -3.19 0.02 | 153.08 -3.91 5.73 | 166.43 -4.09 0.00 | 225.32 -5.07 0.00 | 257.03 -5.53 0.00 | 255.49 -4.96 0.00 | 233.30 -4.27 0.00 | 198.08 -3.62 0.00 | 131.47 -2.55 0.00 | 90.83 -1.66 0.00 | 70.92 -1.01 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 56.54 -2.60 0.00 | 54.50 -1.98 0.00 | 52.74 -1.69 0.00 | 48.01 -1.44 0.00 | 46.76 -1.40 0.00 | 50.07 -1.39 0.00 | 52.44 -1.57 0.00 | 55.34 -1.65 0.00 | 59.56 -1.65 0.00 | 62.11 -1.99 0.00 | 69.97 -3.06 0.00 | 81.46 -4.47 0.00 | 106.92 -6.11 0.00 | 131.25 -7.49 0.01 | 152.15 -8.63 1.94 | 161.83 -8.69 0.00 | 219.56 -10.82 0.00 | 250.48 -12.07 0.00 | 248.99 -11.45 0.00 | 227.60 -9.97 0.00 | 193.04 -8.67 0.00 | 128.39 -5.62 0.00 | 89.17 -3.33 0.00 | 70.56 -1.37 0.00 |
| MARSHVLE_115KV_TB1 80742 | 64.64 5.50 0.00 | 61.39 4.91 0.00 | 59.00 4.57 0.00 | 53.40 3.96 0.00 | 52.06 3.90 0.00 | 55.83 4.37 0.00 | 58.28 4.27 0.00 | 60.99 3.99 0.00 | 65.01 3.80 0.00 | 67.43 3.33 0.00 | 77.28 4.24 -0.01 | 91.18 5.24 0.00 | 120.37 7.35 0.00 | 153.12 9.30 -5.08 | 187.34 11.06 -13.56 | 265.00 13.30 -81.17 | 377.45 17.74 -129.32 | 441.71 21.27 -157.89 | 518.10 23.70 -233.96 | 517.97 24.71 -255.69 | 495.60 22.19 -271.71 | 321.10 14.88 -172.21 | 138.16 10.45 -35.22 | 79.12 7.19 0.00 |
| MARSH_HILL_WT_PWR 323713 | 59.73 0.59 0.00 | 56.48 0.00 0.00 | 53.94 -0.49 0.00 | 49.30 -0.15 0.00 | 47.77 -0.39 0.00 | 51.20 -0.26 0.00 | 54.55 0.54 0.00 | 57.34 0.34 0.00 | 61.64 0.43 0.00 | 64.73 0.64 0.00 | 74.64 1.60 0.00 | 88.69 2.75 0.00 | 114.27 1.25 0.00 | 138.34 -0.42 0.00 | 160.60 -2.12 0.00 | 170.84 -3.25 -3.56 | 229.92 -6.69 -6.22 | 264.32 -6.03 -7.80 | 268.73 -3.11 -11.40 | 249.66 2.13 -9.95 | 212.47 4.03 -6.73 | 143.20 5.09 -4.09 | 97.70 4.26 -0.95 | 74.95 3.02 0.00 |
| MCINTYRE_115KV_TB2 80467 | 59.14 0.00 0.00 | 56.98 0.51 0.00 | 54.92 0.49 0.00 | 49.89 0.44 0.00 | 48.54 0.39 0.00 | 52.08 0.62 0.00 | 54.44 0.43 0.00 | 57.11 0.11 0.00 | 61.09 -0.12 0.00 | 63.13 -0.96 0.00 | 71.21 -1.83 0.00 | 82.41 -3.52 0.00 | 107.71 -5.31 0.00 | 130.14 -8.60 0.01 | 151.20 -9.93 1.59 | 160.29 -10.23 0.00 | 218.41 -11.98 0.00 | 250.48 -12.08 0.00 | 249.77 -10.68 0.00 | 229.26 -8.32 0.00 | 194.85 -6.86 0.00 | 130.26 -3.75 0.00 | 91.20 -1.29 0.00 | 71.64 -0.29 0.00 |
| MECO_____69_KV_BK1 80468 | 65.71 6.56 0.00 | 62.35 5.87 0.00 | 59.82 5.39 0.00 | 54.09 4.65 0.00 | 52.73 4.57 0.00 | 56.56 5.09 0.00 | 59.30 5.29 0.00 | 62.36 5.36 0.00 | 66.60 5.39 0.00 | 68.96 4.87 0.00 | 79.03 5.99 -0.01 | 93.24 7.30 0.00 | 123.20 10.17 0.00 | 156.96 12.77 -5.45 | 192.40 15.13 -14.55 | 274.46 17.22 -86.71 | 392.20 23.73 -138.09 | 459.48 28.36 -168.57 | 541.07 30.73 -249.89 | 541.21 29.93 -273.71 | 519.49 26.22 -291.56 | 336.18 17.29 -184.87 | 142.31 12.02 -37.80 | 80.27 8.34 0.00 |
| MENANDS___115KV_TB5 355628 | 61.27 2.13 0.00 | 58.17 1.69 0.00 | 56.01 1.58 0.00 | 50.83 1.38 0.00 | 49.60 1.44 0.00 | 52.85 1.39 0.00 | 55.41 1.40 0.00 | 58.59 1.60 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.39 2.34 -0.02 | 88.77 2.84 0.00 | 117.32 4.29 0.00 | 161.81 5.97 -17.09 | 215.86 7.48 -45.66 | 295.40 8.19 -116.69 | 402.57 10.83 -161.35 | 462.91 12.08 -188.28 | 517.95 11.20 -246.31 | 470.19 9.50 -223.11 | 468.40 8.07 -258.63 | 314.17 4.96 -175.19 | 121.25 3.14 -25.62 | 74.23 2.30 0.00 |
| MG INDUSTRY___DRP 24185 | 60.03 0.89 0.00 | 57.04 0.56 0.00 | 55.08 0.65 0.00 | 49.94 0.49 0.00 | 48.69 0.53 0.00 | 51.92 0.46 0.00 | 54.28 0.27 0.00 | 57.17 0.17 0.00 | 61.21 0.00 0.00 | 63.96 -0.13 0.00 | 73.09 0.07 0.02 | 84.49 0.09 1.54 | 104.42 0.68 9.29 | 107.74 1.39 32.40 | 99.05 1.95 65.62 | 106.65 2.22 66.09 | 159.82 3.23 73.79 | 224.52 3.68 41.71 | 259.39 3.65 4.70 | 296.90 3.33 -56.00 | 193.29 3.03 11.44 | 123.57 1.88 12.32 | 99.76 1.02 -6.25 | 72.58 0.65 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 59.26 0.12 0.00 | 56.65 0.17 0.00 | 54.54 0.11 0.00 | 49.49 0.05 0.00 | 48.16 0.00 0.00 | 51.72 0.26 0.00 | 54.17 0.16 0.00 | 57.17 0.17 0.00 | 61.27 0.06 0.00 | 63.52 -0.58 0.00 | 72.23 -0.80 0.00 | 84.30 -1.63 0.00 | 110.43 -2.60 0.00 | 134.31 -4.44 0.00 | 154.65 -7.16 0.91 | 163.36 -7.16 0.00 | 221.86 -8.52 0.00 | 253.89 -8.66 0.00 | 252.89 -7.55 0.00 | 232.11 -5.46 0.00 | 197.27 -4.44 0.00 | 131.34 -2.68 0.00 | 92.49 0.00 0.00 | 72.07 0.14 0.00 |
| MID___RAQUETTE_HYD 23851 | 57.78 -1.36 0.00 | 55.63 -0.85 0.00 | 53.61 -0.82 0.00 | 48.75 -0.69 0.00 | 47.44 -0.72 0.00 | 50.84 -0.62 0.00 | 53.20 -0.81 0.00 | 56.03 -0.97 0.00 | 60.05 -1.16 0.00 | 62.11 -1.99 0.00 | 70.12 -2.92 0.00 | 81.12 -4.81 0.00 | 106.02 -7.01 0.00 | 128.06 -10.68 0.01 | 148.37 -12.85 1.49 | 157.22 -13.30 0.00 | 213.57 -16.82 0.00 | 244.17 -18.38 0.00 | 242.73 -17.71 0.00 | 222.13 -15.44 0.00 | 188.59 -13.11 0.00 | 126.11 -7.91 0.00 | 88.70 -3.79 0.00 | 69.84 -2.09 0.00 |
| MILLIKEN___1 23584 | 60.97 1.83 0.00 | 57.89 1.41 0.00 | 55.63 1.20 0.00 | 50.53 1.09 0.00 | 49.12 0.96 0.00 | 52.59 1.13 0.00 | 55.47 1.46 0.00 | 58.71 1.71 0.00 | 63.17 1.96 0.00 | 66.14 2.05 0.00 | 75.96 2.92 0.00 | 89.63 3.70 0.00 | 117.32 4.29 0.00 | 143.47 4.72 0.00 | 168.09 5.37 0.00 | 179.76 5.63 -3.61 | 243.85 7.14 -6.32 | 279.39 8.93 -7.91 | 282.21 10.16 -11.61 | 258.53 10.69 -10.27 | 218.51 9.68 -7.13 | 145.19 6.83 -4.34 | 98.13 4.62 -1.01 | 75.38 3.45 0.00 |
| MILLIKEN___2 23585 | 60.97 1.83 0.00 | 57.89 1.41 0.00 | 55.63 1.20 0.00 | 50.53 1.09 0.00 | 49.12 0.96 0.00 | 52.59 1.13 0.00 | 55.47 1.46 0.00 | 58.71 1.71 0.00 | 63.17 1.96 0.00 | 66.14 2.05 0.00 | 75.96 2.92 0.00 | 89.63 3.70 0.00 | 117.32 4.29 0.00 | 143.47 4.72 0.00 | 168.09 5.37 0.00 | 179.76 5.63 -3.61 | 243.85 7.14 -6.32 | 279.39 8.93 -7.91 | 282.21 10.16 -11.61 | 258.53 10.69 -10.27 | 218.51 9.68 -7.13 | 145.19 6.83 -4.34 | 98.13 4.62 -1.01 | 75.38 3.45 0.00 |
| MILLIKEN___DIESEL 23629 | 60.97 1.83 0.00 | 57.89 1.41 0.00 | 55.63 1.20 0.00 | 50.53 1.09 0.00 | 49.12 0.96 0.00 | 52.59 1.13 0.00 | 55.47 1.46 0.00 | 58.71 1.71 0.00 | 63.17 1.96 0.00 | 66.14 2.05 0.00 | 75.96 2.92 0.00 | 89.63 3.70 0.00 | 117.32 4.29 0.00 | 143.47 4.72 0.00 | 168.09 5.37 0.00 | 179.76 5.63 -3.61 | 243.85 7.14 -6.32 | 279.39 8.93 -7.91 | 282.21 10.16 -11.61 | 258.53 10.69 -10.27 | 218.51 9.68 -7.13 | 145.19 6.83 -4.34 | 98.13 4.62 -1.01 | 75.38 3.45 0.00 |
| MILLSEAT___LFGE 323607 | 60.44 1.30 0.00 | 57.55 1.07 0.00 | 54.38 -0.05 0.00 | 49.74 0.30 0.00 | 47.92 -0.24 0.00 | 51.41 -0.05 0.00 | 54.71 0.70 0.00 | 56.89 -0.11 0.00 | 61.39 0.18 0.00 | 64.86 0.77 0.00 | 74.72 1.68 0.00 | 89.20 3.26 0.00 | 113.59 0.57 0.00 | 137.09 -1.66 0.00 | 158.49 -4.23 0.00 | 166.79 -6.13 -2.40 | 222.60 -11.99 -4.20 | 255.74 -12.07 -5.26 | 256.46 -11.19 -7.20 | 234.88 -6.90 -4.20 | 198.68 -3.02 0.00 | 134.69 0.67 0.00 | 94.62 2.13 0.00 | 73.94 2.01 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 62.81 3.67 0.00 | 59.64 3.16 0.00 | 57.15 2.72 0.00 | 51.92 2.47 0.00 | 50.71 2.55 0.00 | 53.98 2.52 0.00 | 56.98 2.97 0.00 | 60.82 3.82 0.00 | 65.13 3.92 0.00 | 68.26 4.17 0.00 | 78.37 5.33 0.00 | 92.73 6.79 0.00 | 123.08 10.06 0.00 | 154.78 13.46 -2.57 | 185.52 15.95 -6.86 | 214.35 17.39 -26.44 | 294.40 24.19 -39.82 | 336.88 26.52 -47.81 | 349.21 25.00 -63.77 | 308.23 21.38 -49.28 | 257.83 16.94 -39.18 | 164.27 9.65 -20.60 | 102.56 6.29 -3.78 | 75.96 4.03 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 62.98 3.84 0.00 | 59.86 3.39 0.00 | 57.31 2.88 0.00 | 52.06 2.62 0.00 | 50.85 2.70 0.00 | 54.14 2.68 0.00 | 57.14 3.13 0.00 | 60.99 3.99 0.00 | 65.37 4.16 0.00 | 68.52 4.42 0.00 | 78.74 5.70 0.00 | 93.15 7.22 0.00 | 123.65 10.62 0.00 | 155.61 14.29 -2.57 | 186.34 16.76 -6.86 | 215.38 18.42 -26.44 | 295.78 25.57 -39.82 | 338.45 28.09 -47.81 | 350.78 26.57 -63.77 | 309.42 22.57 -49.28 | 259.04 18.15 -39.18 | 165.07 10.45 -20.60 | 103.03 6.75 -3.78 | 76.25 4.32 0.00 |
| MODEL_CITY_ENERGY 24167 | 58.85 -0.29 0.00 | 56.08 -0.39 0.00 | 52.85 -1.58 0.00 | 48.36 -1.09 0.00 | 46.57 -1.59 0.00 | 50.12 -1.34 0.00 | 53.14 -0.87 0.00 | 55.00 -2.00 0.00 | 59.43 -1.78 0.00 | 62.68 -1.41 0.00 | 72.09 -0.95 0.00 | 86.28 0.35 0.00 | 110.43 -2.60 0.00 | 132.79 -5.96 0.00 | 153.45 -9.27 0.00 | 161.12 -11.94 -2.54 | 214.55 -20.28 -4.44 | 246.33 -21.79 -5.56 | 246.97 -21.09 -7.61 | 226.10 -15.91 -4.44 | 191.42 -10.28 0.00 | 130.27 -3.75 0.00 | 91.01 -1.48 0.00 | 71.57 -0.36 0.00 |
| MODERN_LFGE___ 323580 | 58.85 -0.29 0.00 | 56.08 -0.39 0.00 | 52.85 -1.58 0.00 | 48.36 -1.09 0.00 | 46.57 -1.59 0.00 | 50.12 -1.34 0.00 | 53.14 -0.87 0.00 | 55.00 -2.00 0.00 | 59.43 -1.78 0.00 | 62.68 -1.41 0.00 | 72.09 -0.95 0.00 | 86.28 0.35 0.00 | 110.43 -2.60 0.00 | 132.79 -5.96 0.00 | 153.45 -9.27 0.00 | 161.12 -11.94 -2.54 | 214.55 -20.28 -4.44 | 246.33 -21.79 -5.56 | 246.97 -21.09 -7.61 | 226.10 -15.91 -4.44 | 191.42 -10.28 0.00 | 130.27 -3.75 0.00 | 91.01 -1.48 0.00 | 71.57 -0.36 0.00 |
| MOHAWK_PAPER___DRP 24187 | 61.68 2.54 0.00 | 58.62 2.15 0.00 | 56.39 1.96 0.00 | 51.12 1.68 0.00 | 49.89 1.73 0.00 | 53.21 1.75 0.00 | 55.79 1.78 0.00 | 58.99 1.99 0.00 | 63.35 2.14 0.00 | 66.27 2.18 0.00 | 75.91 2.85 -0.02 | 89.37 3.44 0.00 | 118.11 5.09 0.00 | 165.71 6.94 -20.03 | 224.83 8.62 -53.49 | 310.04 9.38 -130.14 | 420.58 12.67 -177.52 | 482.89 14.18 -206.16 | 540.40 13.54 -266.41 | 486.83 11.64 -237.62 | 492.49 9.88 -280.90 | 330.38 6.30 -190.06 | 123.41 4.07 -26.85 | 74.81 2.88 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 63.58 4.44 0.00 | 60.32 3.84 0.00 | 57.80 3.37 0.00 | 52.26 2.82 0.00 | 50.90 2.74 0.00 | 54.50 3.04 0.00 | 57.25 3.24 0.00 | 60.53 3.53 0.00 | 65.01 3.80 0.00 | 67.68 3.59 0.00 | 77.21 4.16 -0.01 | 91.18 5.24 0.00 | 120.71 7.69 0.00 | 159.30 9.85 -10.70 | 203.18 11.88 -28.58 | 293.08 13.13 -109.43 | 413.03 17.97 -164.67 | 481.17 21.00 -197.62 | 564.57 23.44 -280.68 | 550.70 21.62 -291.51 | 541.64 18.96 -320.97 | 353.54 12.33 -207.19 | 139.38 8.32 -38.56 | 77.61 5.68 0.00 |
| MONGAUP___HYD 23641 | 62.93 3.79 0.00 | 59.75 3.27 0.00 | 57.26 2.83 0.00 | 51.96 2.52 0.00 | 50.66 2.50 0.00 | 54.13 2.67 0.00 | 56.98 2.97 0.00 | 60.53 3.54 0.00 | 64.70 3.49 0.00 | 67.62 3.52 0.00 | 77.57 4.53 0.00 | 91.69 5.76 0.00 | 120.37 7.34 0.00 | 150.94 10.12 -2.06 | 180.10 11.87 -5.51 | 207.07 13.47 -23.08 | 284.95 19.36 -35.21 | 327.57 22.58 -42.44 | 339.90 22.40 -57.05 | 301.93 19.96 -44.40 | 252.39 16.33 -34.35 | 159.51 10.99 -14.50 | 102.24 6.38 -3.37 | 76.39 4.46 0.00 |
| MONTAUK___DIESEL 23721 | 65.59 6.45 0.00 | 62.46 5.99 0.00 | 58.95 4.52 0.00 | 53.30 3.86 0.00 | 51.96 3.80 0.00 | 55.17 3.71 0.00 | 58.17 4.16 0.00 | 62.30 5.30 0.00 | 66.60 5.39 0.00 | 69.82 5.77 0.05 | 81.88 8.84 0.00 | 99.43 13.49 0.00 | 133.22 19.67 -0.53 | 164.24 24.84 -0.65 | 248.34 25.87 -59.76 | 271.59 27.62 -73.44 | 309.95 36.40 -43.17 | 371.78 40.96 -68.27 | 357.54 38.81 -58.29 | 310.39 31.60 -41.22 | 258.52 23.60 -33.21 | 171.40 19.16 -18.22 | 108.48 11.65 -4.34 | 81.49 7.98 -1.57 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 59.55 0.41 0.00 | 56.42 -0.06 0.00 | 53.67 -0.76 0.00 | 49.10 -0.35 0.00 | 47.58 -0.58 0.00 | 50.95 -0.51 0.00 | 54.71 0.70 0.00 | 57.51 0.51 0.00 | 62.56 1.35 0.00 | 65.70 1.60 0.00 | 75.89 2.85 0.00 | 90.66 4.73 0.00 | 118.00 4.97 0.00 | 141.53 2.78 0.00 | 163.69 0.98 0.00 | 174.36 0.85 -2.99 | 231.24 -4.38 -5.23 | 265.42 -3.68 -6.55 | 268.10 -1.30 -8.96 | 245.17 2.38 -5.23 | 206.14 4.44 0.00 | 139.38 5.36 0.00 | 96.84 4.35 0.00 | 76.53 4.60 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|------------------------|
| MORRIS_RIDGE___SOLAR 323848 | 59.50 0.36 0.00 | 56.42 -0.06 0.00 | 53.78 -0.65 0.00 | 49.15 -0.29 0.00 | 47.63 -0.53 0.00 | 50.90 -0.56 0.00 | 54.23 0.22 0.00 | 56.54 -0.46 0.00 | 60.60 -0.61 0.00 | 63.65 -0.45 0.00 | 73.26 0.22 0.00 | 87.31 1.37 0.00 | 112.57 -0.45 0.00 | 136.11 -2.64 0.00 | 157.99 -4.72 0.00 | 167.81 -6.13 -3.42 | 225.32 -11.05 -5.99 | 258.77 -11.28 -7.50 | 263.06 -8.34 -10.96 | 244.29 -2.84 -9.56 | 208.35 0.20 -6.45 | 140.48 2.54 -3.92 | 95.90 2.50 -0.91 | 73.80 1.87 0.00 |
| MORTIMER_115KV_TB3 55949 | 59.91 0.77 0.00 | 57.04 0.56 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 48.01 -0.14 0.00 | 51.36 -0.10 0.00 | 54.50 0.49 0.00 | 57.17 0.17 0.00 | 61.58 0.37 0.00 | 65.05 0.96 0.00 | 74.86 1.83 0.00 | 89.12 3.18 0.00 | 115.51 2.49 0.00 | 140.14 1.39 0.00 | 163.04 0.33 0.00 | 170.86 0.34 0.00 | 226.93 -3.46 0.00 | 259.66 -2.89 0.00 | 258.10 -2.34 0.00 | 237.10 -0.48 0.00 | 202.91 1.21 0.00 | 136.56 2.55 0.00 | 94.62 2.13 0.00 | 74.45 2.52 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.44 4.45 0.00 | 65.68 4.47 0.00 | 68.90 4.81 0.00 | 78.88 5.84 0.00 | 93.41 7.48 0.00 | 124.10 11.08 0.00 | 156.33 14.99 -2.60 | 187.06 17.41 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.12 | 339.85 29.14 -48.15 | 352.26 27.61 -64.20 | 310.46 23.28 -49.60 | 259.53 18.36 -39.47 | 165.09 10.32 -20.75 | 102.96 6.66 -3.80 | 76.25 4.32 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 64.88 5.74 0.00 | 61.50 5.02 0.00 | 59.00 4.57 0.00 | 53.45 4.00 0.00 | 52.01 3.85 0.00 | 55.94 4.47 0.00 | 59.03 5.02 0.00 | 62.47 5.47 0.00 | 67.09 5.88 0.00 | 69.80 5.70 0.00 | 80.49 7.45 0.00 | 95.22 9.28 0.00 | 124.67 11.64 0.00 | 152.36 13.61 0.00 | 178.50 15.78 0.00 | 194.27 16.54 -7.21 | 266.75 23.74 -12.63 | 306.99 28.62 -15.82 | 314.41 30.46 -23.51 | 289.36 29.69 -22.09 | 245.00 26.21 -17.08 | 162.24 17.83 -10.39 | 107.02 12.11 -2.42 | 80.06 8.13 0.00 |
| N SALMON___HYD 24042 | 57.42 -1.72 0.00 | 55.29 -1.19 0.00 | 53.45 -0.98 0.00 | 48.70 -0.74 0.00 | 47.39 -0.77 0.00 | 50.79 -0.67 0.00 | 53.20 -0.81 0.00 | 56.26 -0.74 0.00 | 60.48 -0.73 0.00 | 62.87 -1.22 0.00 | 70.85 -2.19 0.00 | 82.07 -3.87 0.00 | 107.60 -5.42 0.00 | 131.52 -7.22 0.01 | 152.63 -8.29 1.79 | 162.17 -8.35 0.00 | 220.26 -10.13 0.00 | 251.54 -11.02 0.00 | 249.75 -10.69 0.00 | 228.54 -9.03 0.00 | 194.04 -7.66 0.00 | 129.06 -4.96 0.00 | 89.90 -2.59 0.00 | 71.35 -0.58 0.00 |
| N.AKRON__115KV_KNAPP 355671 | 60.32 1.18 0.00 | 57.44 0.96 0.00 | 54.27 -0.16 0.00 | 49.64 0.20 0.00 | 48.06 -0.10 0.00 | 51.46 0.00 0.00 | 54.60 0.59 0.00 | 56.83 -0.17 0.00 | 61.27 0.06 0.00 | 64.73 0.64 0.00 | 74.50 1.46 0.00 | 89.03 3.09 0.00 | 113.70 0.68 0.00 | 136.81 -1.94 0.00 | 158.65 -4.07 0.00 | 168.00 -4.95 -2.42 | 222.18 -12.44 -4.24 | 255.26 -12.60 -5.31 | 256.51 -11.20 -7.26 | 234.68 -7.13 -4.24 | 198.28 -3.43 0.00 | 134.55 0.54 0.00 | 94.34 1.85 0.00 | 75.10 3.16 0.00 |
| N.E_GEN_SANDY PD 24062 | 62.10 2.96 0.00 | 59.08 2.60 0.00 | 56.61 2.18 0.00 | 51.37 1.93 0.00 | 50.18 2.02 0.00 | 53.42 1.96 0.00 | 56.17 2.16 0.00 | 59.62 2.62 0.00 | 63.78 2.57 0.00 | 64.48 2.75 2.37 | 79.43 4.01 -2.38 | 90.66 4.72 0.00 | 119.92 6.90 0.00 | 156.29 9.16 -8.38 | 196.50 11.39 -22.40 | 242.92 12.28 -60.11 | 330.91 16.36 -84.17 | 379.30 18.10 -98.64 | 405.10 16.92 -127.74 | 358.42 14.49 -106.35 | 326.24 12.31 -112.23 | 225.22 7.64 -83.57 | 107.93 4.81 -10.63 | 75.09 3.16 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 62.69 3.55 0.00 | 59.47 2.99 0.00 | 57.04 2.61 0.00 | 51.77 2.32 0.00 | 50.57 2.41 0.00 | 53.83 2.37 0.00 | 56.82 2.81 0.00 | 60.65 3.65 0.00 | 64.94 3.73 0.00 | 68.13 4.04 0.00 | 78.23 5.19 0.00 | 92.64 6.70 0.00 | 122.86 9.83 0.00 | 154.60 13.46 -2.39 | 184.88 15.78 -6.38 | 213.21 17.39 -25.29 | 292.84 24.19 -38.26 | 335.07 26.52 -46.00 | 346.97 25.00 -61.52 | 306.37 21.14 -47.66 | 255.97 16.74 -37.52 | 163.28 9.52 -19.75 | 102.45 6.29 -3.67 | 75.89 3.96 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 63.58 4.44 -0.01 | 60.55 4.07 -0.01 | 57.98 3.54 -0.01 | 52.71 3.26 -0.01 | 51.58 3.42 -0.01 | 54.70 3.24 0.00 | 57.90 3.89 0.00 | 61.96 4.96 0.00 | 66.11 4.90 0.00 | 69.35 5.26 0.00 | 78.94 6.14 0.23 | 92.93 7.82 0.83 | 124.28 11.53 0.28 | 155.21 15.82 -0.64 | 189.28 18.22 -8.33 | 216.78 19.61 -26.65 | 298.59 27.65 -40.55 | 340.38 29.67 -48.16 | 349.95 28.13 -61.38 | 313.85 23.52 -52.76 | 262.09 18.56 -41.83 | 165.91 10.19 -21.71 | 102.78 6.47 -3.81 | 76.04 4.10 -0.01 |
| N.TROY___115KV_TB1 355778 | 62.16 3.02 0.00 | 59.02 2.54 0.00 | 56.72 2.29 0.00 | 51.42 1.98 0.00 | 50.18 2.02 0.00 | 53.52 2.06 0.00 | 56.17 2.16 0.00 | 59.45 2.45 0.00 | 63.72 2.51 0.00 | 66.66 2.56 0.00 | 76.56 3.51 -0.02 | 90.06 4.12 0.00 | 119.13 6.10 0.00 | 165.11 7.91 -18.45 | 221.78 9.76 -49.30 | 313.30 10.57 -132.20 | 429.75 14.28 -185.07 | 495.46 16.02 -216.89 | 564.86 15.89 -288.53 | 523.54 14.02 -271.95 | 529.47 12.10 -315.67 | 351.48 7.77 -209.69 | 130.36 5.09 -32.78 | 75.60 3.67 0.00 |
| NARROWS_GT1_1 24228 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NARROWS_GT1_2 24229 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NARROWS_GT1_3 24230 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NARROWS_GT1_4 24231 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NARROWS_GT1_5 24232 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|------------------------|
| NARROWS_GT1_6 24233 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NARROWS_GT1_7 24234 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NARROWS_GT1_8 24235 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.23 8.08 -8.22 | 128.05 12.21 -2.82 | 184.55 16.50 -29.30 | 188.19 18.54 -6.93 | 217.28 20.11 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NARROWS_GT2_1 24236 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NARROWS_GT2_2 24237 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NARROWS_GT2_3 24238 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NARROWS_GT2_4 24239 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NARROWS_GT2_5 24240 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NARROWS_GT2_6 24241 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NARROWS_GT2_7 24242 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NARROWS_GT2_8 24243 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.42 5.32 -0.01 | 87.52 6.35 -8.13 | 123.27 8.08 -29.26 | 135.26 12.21 -10.03 | 252.90 16.50 -97.64 | 188.19 18.54 -6.93 | 217.29 20.11 -26.65 | 298.38 27.87 -40.12 | 341.17 30.44 -48.17 | 579.47 29.42 -289.61 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.98 6.66 -3.82 | 75.75 3.81 -0.01 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 62.33 3.19 0.00 | 59.07 2.60 0.00 | 56.88 2.45 0.00 | 51.52 2.08 0.00 | 50.18 2.02 0.00 | 53.67 2.21 0.00 | 56.22 2.21 0.00 | 59.16 2.17 0.00 | 63.41 2.20 0.00 | 66.02 1.92 0.00 | 75.65 2.63 0.02 | 87.16 3.18 1.95 | 105.95 4.75 11.82 | 108.83 6.66 36.58 | 99.75 8.14 71.10 | 104.07 9.38 75.83 | 152.69 13.36 91.06 | 225.30 16.02 53.27 | 258.68 16.41 18.18 | 297.78 14.25 -45.95 | 189.45 13.11 25.36 | 120.02 8.31 22.31 | 100.37 4.53 -3.35 | 75.67 3.74 0.00 |
| NCHELSEA_115KV_TR2 355582 | 63.10 3.96 0.00 | 59.81 3.33 0.00 | 57.37 2.94 0.00 | 52.11 2.67 0.00 | 50.85 2.70 0.00 | 54.19 2.73 0.00 | 57.14 3.13 0.00 | 60.87 3.88 0.00 | 65.25 4.04 0.00 | 68.39 4.29 0.00 | 78.66 5.62 0.00 | 93.15 7.22 0.00 | 123.31 10.29 0.00 | 154.68 13.88 -2.05 | 184.48 16.27 -5.49 | 213.07 17.90 -24.64 | 293.47 25.11 -37.97 | 336.29 27.83 -45.91 | 348.94 26.30 -62.19 | 309.19 22.57 -49.05 | 257.54 18.15 -37.69 | 161.29 10.72 -16.55 | 103.46 7.12 -3.85 | 76.97 5.04 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 63.28 4.14 0.00 | 60.20 3.73 0.00 | 57.69 3.27 0.00 | 52.26 2.82 0.00 | 50.90 2.74 0.00 | 54.39 2.93 0.00 | 57.14 3.13 0.00 | 60.42 3.42 0.00 | 64.82 3.61 0.00 | 67.68 3.59 0.00 | 77.58 4.53 -0.01 | 91.52 5.58 0.00 | 121.05 8.03 0.00 | 162.15 10.27 -13.13 | 210.33 12.53 -35.08 | 300.86 13.65 -116.69 | 420.10 18.44 -171.27 | 487.73 21.26 -203.92 | 565.88 21.88 -283.55 | 543.17 19.71 -285.90 | 538.54 16.95 -319.89 | 353.49 11.12 -208.35 | 136.73 7.40 -36.83 | 76.96 5.03 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 58.96 -0.18 0.00 | 56.14 -0.34 0.00 | 53.67 -0.76 0.00 | 48.90 -0.54 0.00 | 47.29 -0.87 0.00 | 50.54 -0.92 0.00 | 53.64 -0.38 0.00 | 56.43 -0.57 0.00 | 60.91 -0.30 0.00 | 64.29 0.19 0.00 | 73.99 0.95 0.00 | 87.91 1.98 0.00 | 114.15 1.13 0.00 | 138.89 0.14 0.00 | 161.75 -0.97 0.00 | 168.99 -1.54 0.00 | 226.47 -3.92 0.00 | 258.62 -3.93 0.00 | 256.54 -3.90 0.00 | 235.66 -1.91 0.00 | 201.50 -0.20 0.00 | 135.22 1.20 0.00 | 93.51 1.02 0.00 | 72.50 0.57 0.00 |

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| NEG CENTRAL___DRP 24199 | 60.09 0.95 0.00 | 56.98 0.51 0.00 | 54.65 0.22 0.00 | 49.89 0.44 0.00 | 48.45 0.29 0.00 | 51.72 0.26 0.00 | 54.71 0.70 0.00 | 57.85 0.85 0.00 | 62.31 1.10 0.00 | 65.50 1.41 0.00 | 75.30 2.26 0.00 | 88.86 2.92 0.00 | 115.74 2.71 0.00 | 141.11 2.36 0.00 | 165.16 2.44 0.00 | 175.22 2.56 -2.14 | 236.21 2.07 -3.75 | 270.14 2.89 -4.70 | 270.78 3.91 -6.43 | 246.55 5.23 -3.75 | 206.75 5.04 0.00 | 138.84 4.82 0.00 | 95.45 2.96 0.00 | 74.66 2.73 0.00 |
| NEG CENTRAL___INDECK 23768 | 60.15 1.00 0.00 | 57.04 0.56 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 48.01 -0.14 0.00 | 51.46 0.00 0.00 | 54.71 0.70 0.00 | 57.23 0.23 0.00 | 61.15 -0.06 0.00 | 64.09 0.00 0.00 | 73.55 0.51 0.00 | 87.31 1.37 0.00 | 109.52 -3.50 0.00 | 132.51 -6.24 0.00 | 153.61 -9.11 0.00 | 164.41 -9.04 -2.93 | 221.69 -13.82 -5.12 | 255.59 -13.38 -6.42 | 259.33 -9.90 -8.78 | 239.14 -3.56 -5.12 | 201.50 -0.20 0.00 | 135.89 1.88 0.00 | 96.56 4.07 0.00 | 74.59 2.66 0.00 |
| NEG CENTRAL___SENECA 23627 | 60.38 1.24 0.00 | 57.27 0.79 0.00 | 54.81 0.38 0.00 | 50.19 0.74 0.00 | 48.69 0.53 0.00 | 51.92 0.46 0.00 | 54.98 0.97 0.00 | 58.20 1.20 0.00 | 62.62 1.41 0.00 | 65.82 1.73 0.00 | 75.74 2.70 0.00 | 89.37 3.44 0.00 | 115.96 2.94 0.00 | 141.11 2.36 0.00 | 164.99 2.28 0.00 | 175.15 2.22 -2.41 | 235.75 1.15 -4.22 | 270.20 2.36 -5.28 | 271.58 3.91 -7.23 | 247.25 5.46 -4.22 | 207.15 5.45 0.00 | 139.78 5.76 0.00 | 95.92 3.42 0.00 | 75.38 3.45 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 59.97 0.83 0.00 | 56.98 0.51 0.00 | 54.70 0.27 0.00 | 49.74 0.30 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.55 0.54 0.00 | 57.74 0.74 0.00 | 62.19 0.98 0.00 | 65.31 1.22 0.00 | 75.01 1.97 0.00 | 88.69 2.75 0.00 | 115.96 2.94 0.00 | 141.80 3.05 0.00 | 166.30 3.58 0.00 | 176.21 3.58 -2.11 | 238.22 4.15 -3.69 | 272.42 5.25 -4.62 | 272.75 5.99 -6.32 | 247.67 6.41 -3.69 | 207.76 6.05 0.00 | 138.57 4.56 0.00 | 95.55 3.05 0.00 | 74.16 2.23 0.00 |
| NEG MILLWOOD___DRP 24198 | 63.40 4.26 0.00 | 60.20 3.73 0.00 | 57.59 3.16 0.00 | 52.36 2.92 0.00 | 51.10 2.94 0.00 | 54.45 2.98 0.00 | 57.41 3.40 0.00 | 61.27 4.27 0.00 | 65.80 4.59 0.00 | 68.96 4.87 0.00 | 79.47 6.43 0.00 | 94.01 8.08 0.00 | 124.67 11.64 0.00 | 156.53 15.40 -2.38 | 187.30 18.22 -6.36 | 216.68 20.12 -26.04 | 297.63 27.65 -39.59 | 340.94 30.72 -47.67 | 353.63 29.17 -64.02 | 312.71 25.18 -49.96 | 261.27 20.37 -39.19 | 166.74 12.06 -20.66 | 104.17 7.77 -3.91 | 77.18 5.25 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 56.95 -2.19 0.00 | 55.01 -1.47 0.00 | 53.12 -1.31 0.00 | 48.41 -1.04 0.00 | 47.15 -1.01 0.00 | 50.48 -0.98 0.00 | 52.88 -1.13 0.00 | 55.92 -1.08 0.00 | 60.17 -1.04 0.00 | 62.68 -1.41 0.00 | 70.63 -2.41 0.00 | 82.07 -3.87 0.00 | 107.71 -5.31 0.00 | 132.08 -6.66 0.01 | 153.46 -7.32 1.94 | 163.19 -7.33 0.00 | 221.40 -8.99 0.00 | 252.58 -9.98 0.00 | 251.07 -9.38 0.00 | 229.49 -8.08 0.00 | 194.85 -6.86 0.00 | 129.59 -4.42 0.00 | 90.00 -2.50 0.00 | 70.78 -1.15 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 56.54 -2.60 0.00 | 54.61 -1.86 0.00 | 52.74 -1.69 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.07 -1.39 0.00 | 52.44 -1.57 0.00 | 55.35 -1.65 0.00 | 59.50 -1.71 0.00 | 61.98 -2.12 0.00 | 69.75 -3.29 0.00 | 81.12 -4.81 0.00 | 106.58 -6.44 0.00 | 130.56 -8.19 0.01 | 151.71 -9.11 1.90 | 161.14 -9.38 0.00 | 218.87 -11.52 0.00 | 249.95 -12.60 0.00 | 248.46 -11.98 0.00 | 227.36 -10.22 0.00 | 193.03 -8.67 0.00 | 128.39 -5.63 0.00 | 89.07 -3.42 0.00 | 70.06 -1.87 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 57.19 -1.95 0.00 | 55.23 -1.24 0.00 | 53.34 -1.09 0.00 | 48.60 -0.84 0.00 | 47.29 -0.87 0.00 | 50.64 -0.82 0.00 | 53.04 -0.97 0.00 | 56.14 -0.85 0.00 | 60.35 -0.86 0.00 | 62.88 -1.22 0.00 | 70.85 -2.19 0.00 | 82.24 -3.70 0.00 | 107.94 -5.09 0.00 | 132.22 -6.52 0.01 | 153.63 -7.16 1.93 | 163.36 -7.16 0.00 | 221.86 -8.52 0.00 | 253.36 -9.19 0.00 | 251.59 -8.86 0.00 | 230.21 -7.36 0.00 | 195.45 -6.25 0.00 | 130.00 -4.02 0.00 | 90.18 -2.31 0.00 | 71.07 -0.86 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 57.19 -1.95 0.00 | 55.23 -1.24 0.00 | 53.34 -1.09 0.00 | 48.60 -0.84 0.00 | 47.29 -0.87 0.00 | 50.64 -0.82 0.00 | 53.04 -0.97 0.00 | 56.14 -0.85 0.00 | 60.35 -0.86 0.00 | 62.88 -1.22 0.00 | 70.85 -2.19 0.00 | 82.24 -3.70 0.00 | 107.94 -5.09 0.00 | 132.22 -6.52 0.01 | 153.63 -7.16 1.93 | 163.36 -7.16 0.00 | 221.86 -8.52 0.00 | 253.36 -9.19 0.00 | 251.59 -8.86 0.00 | 230.21 -7.36 0.00 | 195.45 -6.25 0.00 | 130.00 -4.02 0.00 | 90.18 -2.31 0.00 | 71.07 -0.86 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 57.19 -1.95 0.00 | 55.12 -1.36 0.00 | 53.34 -1.09 0.00 | 48.60 -0.84 0.00 | 47.29 -0.87 0.00 | 50.64 -0.83 0.00 | 53.04 -0.97 0.00 | 56.15 -0.85 0.00 | 60.35 -0.86 0.00 | 62.87 -1.22 0.00 | 70.85 -2.19 0.00 | 82.24 -3.69 0.00 | 107.94 -5.08 0.00 | 132.50 -6.24 0.01 | 153.63 -7.16 1.93 | 163.37 -7.16 0.00 | 221.87 -8.52 0.00 | 253.36 -9.20 0.00 | 251.59 -8.86 0.00 | 230.20 -7.37 0.00 | 195.45 -6.25 0.00 | 129.72 -4.29 0.00 | 90.18 -2.31 0.00 | 71.57 -0.36 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 58.90 -0.24 0.00 | 56.14 -0.34 0.00 | 53.07 -1.36 0.00 | 48.55 -0.89 0.00 | 47.00 -1.16 0.00 | 50.28 -1.18 0.00 | 53.42 -0.59 0.00 | 55.40 -1.60 0.00 | 59.74 -1.47 0.00 | 63.00 -1.09 0.00 | 72.53 -0.51 0.00 | 86.71 0.77 0.00 | 111.10 -1.92 0.00 | 133.48 -5.27 0.00 | 154.42 -8.30 0.00 | 163.48 -9.55 -2.51 | 215.66 -19.12 -4.39 | 247.58 -20.48 -5.50 | 248.96 -19.01 -7.53 | 227.71 -14.25 -4.39 | 192.43 -9.28 0.00 | 130.93 -3.08 0.00 | 91.48 -1.02 0.00 | 73.37 1.44 0.00 |
| NEG WEST___LANCASTR 23811 | 58.61 -0.53 0.00 | 55.63 -0.85 0.00 | 52.96 -1.47 0.00 | 48.36 -1.09 0.00 | 46.76 -1.40 0.00 | 50.02 -1.44 0.00 | 53.47 -0.54 0.00 | 55.75 -1.25 0.00 | 60.23 -0.98 0.00 | 63.39 -0.71 0.00 | 73.18 0.15 0.00 | 87.48 1.55 0.00 | 112.91 -0.11 0.00 | 135.84 -2.91 0.00 | 157.67 -5.04 0.00 | 167.88 -5.63 -2.98 | 223.17 -12.44 -5.22 | 255.97 -13.13 -6.54 | 257.67 -11.72 -8.95 | 234.95 -7.84 -5.22 | 197.07 -4.64 0.00 | 133.08 -0.94 0.00 | 92.77 0.28 0.00 | 73.59 1.65 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 60.26 1.12 0.00 | 57.27 0.79 0.00 | 55.03 0.60 0.00 | 50.04 0.60 0.00 | 48.64 0.48 0.00 | 52.03 0.57 0.00 | 54.87 0.86 0.00 | 58.08 1.08 0.00 | 62.56 1.34 0.00 | 65.63 1.54 0.00 | 75.38 2.34 0.00 | 89.20 3.26 0.00 | 116.75 3.72 0.00 | 142.78 4.03 0.00 | 166.94 4.22 0.00 | 180.52 4.09 -5.91 | 245.33 4.61 -10.34 | 281.03 5.52 -12.95 | 285.41 5.99 -18.97 | 260.68 6.42 -16.69 | 219.21 6.05 -11.46 | 145.68 4.69 -6.97 | 97.54 3.42 -1.62 | 73.87 1.94 0.00 |
| NEG___GEN_MONROE 24207 | 60.21 1.06 0.00 | 57.32 0.85 0.00 | 54.54 0.11 0.00 | 49.74 0.30 0.00 | 48.06 -0.10 0.00 | 51.51 0.05 0.00 | 54.71 0.70 0.00 | 57.28 0.28 0.00 | 61.70 0.49 0.00 | 65.12 1.03 0.00 | 74.94 1.90 0.00 | 89.20 3.27 0.00 | 115.29 2.26 0.00 | 139.72 0.97 0.00 | 162.72 0.00 0.00 | 172.36 -0.17 -2.01 | 229.30 -4.61 -3.52 | 262.76 -4.20 -4.41 | 263.35 -3.13 -6.03 | 240.62 -0.48 -3.52 | 203.12 1.41 0.00 | 136.97 2.95 0.00 | 95.27 2.77 0.00 | 75.17 3.24 0.00 |
| NEPA___ENERGY 23901 | 59.61 0.47 0.00 | 56.59 0.11 0.00 | 53.89 -0.54 0.00 | 49.25 -0.20 0.00 | 47.68 -0.48 0.00 | 51.00 -0.46 0.00 | 54.44 0.43 0.00 | 57.11 0.11 0.00 | 61.70 0.49 0.00 | 64.86 0.77 0.00 | 74.86 1.83 0.00 | 89.46 3.52 0.00 | 115.51 2.49 0.00 | 139.17 0.42 0.00 | 161.42 -1.30 0.00 | 171.66 -1.88 -3.02 | 228.52 -7.14 -5.28 | 261.81 -7.35 -6.61 | 263.76 -5.73 -9.05 | 240.71 -2.14 -5.28 | 202.11 0.40 0.00 | 136.43 2.41 0.00 | 95.27 2.77 0.00 | 75.10 3.16 0.00 |

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| NEVERSINK___HYD 23608 | 62.75 3.61 0.00 | 59.58 3.10 0.00 | 57.10 2.67 0.00 | 51.82 2.37 0.00 | 50.56 2.41 0.00 | 53.98 2.52 0.00 | 56.82 2.81 0.00 | 60.48 3.48 0.00 | 64.88 3.67 0.00 | 67.87 3.78 0.00 | 78.01 4.97 0.00 | 92.15 6.36 0.15 | 121.50 9.38 0.90 | 150.20 12.34 0.89 | 177.16 14.81 0.36 | 201.76 16.37 -14.86 | 277.86 23.04 -24.44 | 322.25 26.00 -33.70 | 334.87 25.26 -49.17 | 302.05 22.10 -42.38 | 247.58 17.95 -27.93 | 161.60 10.58 -16.99 | 102.76 7.03 -3.24 | 76.17 4.24 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 61.09 1.95 0.00 | 58.00 1.52 0.00 | 55.84 1.42 0.00 | 50.68 1.24 0.00 | 49.41 1.25 0.00 | 52.70 1.24 0.00 | 55.20 1.19 0.00 | 58.37 1.37 0.00 | 62.68 1.47 0.00 | 65.57 1.47 0.00 | 74.86 1.83 0.00 | 88.26 2.32 0.00 | 116.75 3.73 0.00 | 136.47 5.13 7.41 | 149.42 6.51 19.80 | 193.14 7.33 -15.28 | 285.63 9.91 -45.34 | 336.12 10.76 -62.80 | 387.07 9.64 -116.99 | 397.21 8.31 -151.32 | 335.90 6.86 -127.34 | 220.95 4.29 -82.65 | 118.12 2.59 -23.03 | 73.80 1.87 0.00 |
| NEWTON___FALLS_HYD 23847 | 59.26 0.12 0.00 | 56.65 0.17 0.00 | 54.54 0.11 0.00 | 49.49 0.05 0.00 | 48.16 0.00 0.00 | 51.72 0.26 0.00 | 54.17 0.16 0.00 | 57.17 0.17 0.00 | 61.27 0.06 0.00 | 63.52 -0.58 0.00 | 72.23 -0.80 0.00 | 84.30 -1.63 0.00 | 110.43 -2.60 0.00 | 134.31 -4.44 0.00 | 154.65 -7.16 0.91 | 163.36 -7.16 0.00 | 221.86 -8.52 0.00 | 253.89 -8.66 0.00 | 252.89 -7.55 0.00 | 232.11 -5.46 0.00 | 197.27 -4.44 0.00 | 131.34 -2.68 0.00 | 92.49 0.00 0.00 | 72.07 0.14 0.00 |
| NGRID_A1_DSASP 323792 | 58.02 -1.13 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.91 -1.25 0.00 | 49.45 -2.01 0.00 | 53.14 -0.87 0.00 | 54.72 -2.28 0.00 | 59.13 -2.08 0.00 | 62.37 -1.73 0.00 | 71.73 -1.31 0.00 | 85.68 -0.26 0.00 | 109.86 -3.16 0.00 | 131.95 -6.80 0.00 | 152.30 -10.42 0.00 | 159.95 -13.13 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 244.68 -23.44 -7.67 | 223.98 -18.07 -4.47 | 189.80 -11.90 0.00 | 129.20 -4.82 0.00 | 90.18 -2.31 0.00 | 71.07 -0.86 0.00 |
| NGRID_A2_DSASP 323793 | 58.02 -1.13 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.91 -1.25 0.00 | 49.45 -2.01 0.00 | 53.14 -0.87 0.00 | 54.72 -2.28 0.00 | 59.13 -2.08 0.00 | 62.37 -1.73 0.00 | 71.73 -1.31 0.00 | 85.68 -0.26 0.00 | 109.86 -3.16 0.00 | 131.95 -6.80 0.00 | 152.30 -10.42 0.00 | 159.95 -13.13 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 244.68 -23.44 -7.67 | 223.98 -18.07 -4.47 | 189.80 -11.90 0.00 | 129.20 -4.82 0.00 | 90.18 -2.31 0.00 | 71.07 -0.86 0.00 |
| NGRID_A4_DSASP 323807 | 58.02 -1.13 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.91 -1.25 0.00 | 49.45 -2.01 0.00 | 53.14 -0.87 0.00 | 54.72 -2.28 0.00 | 59.13 -2.08 0.00 | 62.37 -1.73 0.00 | 71.73 -1.31 0.00 | 85.68 -0.26 0.00 | 109.86 -3.16 0.00 | 131.95 -6.80 0.00 | 152.30 -10.42 0.00 | 159.95 -13.13 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 244.68 -23.44 -7.67 | 223.98 -18.07 -4.47 | 189.80 -11.90 0.00 | 129.20 -4.82 0.00 | 90.18 -2.31 0.00 | 71.07 -0.86 0.00 |
| NIAGARA_115E_LBMP 323715 | 58.67 -0.48 0.00 | 55.97 -0.51 0.00 | 52.63 -1.79 0.00 | 48.16 -1.29 0.00 | 46.38 -1.78 0.00 | 49.97 -1.49 0.00 | 52.93 -1.08 0.00 | 54.72 -2.28 0.00 | 59.13 -2.08 0.00 | 62.37 -1.73 0.00 | 71.73 -1.31 0.00 | 85.85 -0.09 0.00 | 109.98 -3.05 0.00 | 132.23 -6.52 0.00 | 152.63 -10.09 0.00 | 160.29 -12.79 -2.56 | 213.20 -21.67 -4.48 | 244.80 -23.37 -5.61 | 245.47 -22.66 -7.68 | 224.94 -17.11 -4.48 | 190.41 -11.29 0.00 | 129.60 -4.42 0.00 | 90.46 -2.04 0.00 | 71.28 -0.65 0.00 |
| NIAGARA_115W_LBMP 323714 | 57.84 -1.30 0.00 | 55.23 -1.24 0.00 | 53.12 -1.31 0.00 | 48.65 -0.79 0.00 | 46.81 -1.35 0.00 | 49.35 -2.11 0.00 | 52.98 -1.03 0.00 | 54.61 -2.39 0.00 | 58.95 -2.26 0.00 | 62.17 -1.92 0.00 | 71.50 -1.54 0.00 | 85.42 -0.51 0.00 | 109.52 -3.50 0.00 | 131.68 -7.07 0.00 | 151.97 -10.74 0.00 | 159.43 -13.65 -2.55 | 212.04 -22.81 -4.47 | 243.46 -24.69 -5.60 | 243.89 -24.21 -7.66 | 223.51 -18.53 -4.47 | 189.20 -12.51 0.00 | 128.79 -5.23 0.00 | 89.90 -2.59 0.00 | 70.92 -1.01 0.00 |
| NIAGARA_230_LBMP 323716 | 58.61 -0.53 0.00 | 55.91 -0.56 0.00 | 53.18 -1.25 0.00 | 48.70 -0.74 0.00 | 46.91 -1.25 0.00 | 50.02 -1.44 0.00 | 53.47 -0.54 0.00 | 55.29 -1.71 0.00 | 59.74 -1.47 0.00 | 62.94 -1.15 0.00 | 72.45 -0.59 0.00 | 86.62 0.68 0.00 | 111.10 -1.92 0.00 | 133.62 -5.13 0.00 | 154.42 -8.29 0.00 | 162.46 -10.57 -2.51 | 216.13 -18.65 -4.40 | 248.10 -19.96 -5.51 | 248.45 -19.54 -7.54 | 227.72 -14.25 -4.40 | 192.43 -9.28 0.00 | 130.80 -3.22 0.00 | 91.29 -1.20 0.00 | 71.79 -0.14 0.00 |
| NIAGARA___115KV_198_GIBSON 55903 | 57.84 -1.30 0.00 | 55.23 -1.24 0.00 | 53.12 -1.31 0.00 | 48.65 -0.79 0.00 | 46.28 -1.88 0.00 | 49.51 -1.96 0.00 | 52.98 -1.03 0.00 | 54.72 -2.28 0.00 | 58.95 -2.26 0.00 | 62.17 -1.92 0.00 | 71.50 -1.53 0.00 | 85.42 -0.52 0.00 | 109.75 -3.28 0.00 | 131.54 -7.22 0.00 | 152.14 -10.58 0.00 | 160.97 -12.11 -2.55 | 212.05 -22.81 -4.47 | 243.47 -24.68 -5.60 | 244.40 -23.70 -7.66 | 223.75 -18.29 -4.47 | 189.20 -12.51 0.00 | 128.92 -5.09 0.00 | 89.90 -2.59 0.00 | 72.29 0.36 0.00 |
| NIAGARA____ 23760 | 58.61 -0.53 0.00 | 55.91 -0.56 0.00 | 53.18 -1.25 0.00 | 48.70 -0.74 0.00 | 46.91 -1.25 0.00 | 50.02 -1.44 0.00 | 53.47 -0.54 0.00 | 55.29 -1.71 0.00 | 59.74 -1.47 0.00 | 62.94 -1.15 0.00 | 72.45 -0.59 0.00 | 86.62 0.68 0.00 | 111.10 -1.92 0.00 | 133.62 -5.13 0.00 | 154.42 -8.29 0.00 | 162.49 -10.57 -2.54 | 216.17 -18.65 -4.44 | 248.15 -19.96 -5.56 | 248.52 -19.54 -7.61 | 227.76 -14.25 -4.44 | 192.43 -9.28 0.00 | 130.80 -3.22 0.00 | 91.29 -1.20 0.00 | 71.79 -0.14 0.00 |
| NINE_MILE_1 23575 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 49.97 -1.49 0.00 | 52.61 -1.40 0.00 | 55.58 -1.42 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.98 -2.77 0.00 | 159.14 -3.58 0.00 | 166.77 -3.75 0.00 | 224.86 -5.53 0.00 | 256.52 -6.03 0.00 | 254.46 -5.98 0.00 | 232.57 -5.00 0.00 | 197.87 -3.84 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.49 -1.44 0.00 |
| NINE_MILE_2 23744 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 50.02 -1.44 0.00 | 52.61 -1.40 0.00 | 55.58 -1.42 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.98 -2.77 0.00 | 159.14 -3.58 0.00 | 166.77 -3.75 0.00 | 224.86 -5.53 0.00 | 256.52 -6.03 0.00 | 254.46 -5.98 0.00 | 232.57 -5.00 0.00 | 197.87 -3.84 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.49 -1.44 0.00 |
| NM_CAPITAL___DRP 24208 | 61.15 2.01 0.00 | 58.06 1.58 0.00 | 55.90 1.47 0.00 | 50.73 1.29 0.00 | 49.46 1.30 0.00 | 52.75 1.29 0.00 | 55.31 1.30 0.00 | 58.48 1.48 0.00 | 62.74 1.53 0.00 | 65.70 1.60 0.00 | 75.10 2.05 -0.01 | 88.43 2.49 0.00 | 116.98 3.96 0.00 | 156.67 5.55 -12.37 | 202.60 6.83 -33.05 | 273.74 7.67 -95.55 | 376.70 10.14 -136.18 | 434.41 11.29 -160.56 | 486.25 10.16 -215.65 | 448.29 8.79 -201.93 | 434.36 7.46 -225.19 | 291.23 4.56 -152.65 | 119.33 2.87 -23.97 | 74.02 2.09 0.00 |
| NM_CENTRAL___DRP 24181 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.15 -0.31 0.00 | 53.85 -0.16 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.99 0.95 0.00 | 87.40 1.46 0.00 | 114.61 1.58 0.00 | 140.28 1.53 0.00 | 164.34 1.63 0.00 | 172.23 1.71 0.00 | 231.77 1.38 0.00 | 264.13 1.58 0.00 | 262.27 1.82 0.00 | 239.95 2.38 0.00 | 203.92 2.22 0.00 | 135.89 1.88 0.00 | 93.70 1.20 0.00 | 72.79 0.86 0.00 |

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| NM_FRONTIER___DRP 24179 | 57.84 -1.30 0.00 | 55.23 -1.24 0.00 | 53.12 -1.31 0.00 | 48.65 -0.79 0.00 | 46.28 -1.88 0.00 | 49.51 -1.96 0.00 | 52.98 -1.03 0.00 | 54.72 -2.28 0.00 | 58.95 -2.26 0.00 | 62.17 -1.92 0.00 | 71.50 -1.53 0.00 | 85.42 -0.52 0.00 | 109.75 -3.28 0.00 | 131.54 -7.22 0.00 | 152.14 -10.58 0.00 | 160.97 -12.11 -2.55 | 212.05 -22.81 -4.47 | 243.47 -24.68 -5.60 | 244.40 -23.70 -7.66 | 223.75 -18.29 -4.47 | 189.20 -12.51 0.00 | 128.92 -5.09 0.00 | 89.90 -2.59 0.00 | 72.29 0.36 0.00 |
| NM_ST_REGIS___HYD 24053 | 57.66 -1.48 0.00 | 55.57 -0.90 0.00 | 53.56 -0.87 0.00 | 48.75 -0.69 0.00 | 47.44 -0.72 0.00 | 50.84 -0.62 0.00 | 53.20 -0.81 0.00 | 56.09 -0.91 0.00 | 60.17 -1.04 0.00 | 62.30 -1.79 0.00 | 70.26 -2.78 0.00 | 81.30 -4.64 0.00 | 106.36 -6.67 0.00 | 128.75 -9.99 0.01 | 149.29 -11.88 1.55 | 158.42 -12.11 0.00 | 215.18 -15.21 0.00 | 246.01 -16.54 0.00 | 244.56 -15.89 0.00 | 223.79 -13.78 0.00 | 189.80 -11.90 0.00 | 126.91 -7.10 0.00 | 88.98 -3.51 0.00 | 70.06 -1.87 0.00 |
| NORTHPORT___1 23551 | 63.28 4.14 0.00 | 61.05 4.57 0.00 | 57.75 3.32 0.00 | 52.16 2.72 0.00 | 50.95 2.79 0.00 | 54.39 2.93 0.00 | 57.25 3.24 0.00 | 61.28 4.28 0.00 | 64.51 3.30 0.00 | 65.62 2.05 0.53 | 76.98 3.94 0.00 | 88.26 6.27 3.95 | 108.69 10.06 14.39 | 152.55 13.61 -0.19 | 159.48 16.43 19.66 | 200.10 18.07 -11.51 | 241.48 23.74 12.64 | 262.19 26.51 26.87 | 266.18 24.76 19.02 | 263.13 20.18 -5.37 | 225.80 13.91 -10.19 | 162.07 9.78 -18.27 | 102.28 5.55 -4.24 | 76.69 3.45 -1.31 |
| NORTHPORT___2 23552 | 63.28 4.14 0.00 | 61.05 4.57 0.00 | 57.75 3.32 0.00 | 52.16 2.72 0.00 | 50.95 2.79 0.00 | 54.39 2.93 0.00 | 57.25 3.24 0.00 | 61.28 4.28 0.00 | 64.51 3.30 0.00 | 65.62 2.05 0.53 | 76.98 3.94 0.00 | 88.26 6.27 3.95 | 108.69 10.06 14.39 | 152.55 13.61 -0.19 | 159.48 16.43 19.66 | 200.10 18.07 -11.51 | 241.48 23.74 12.64 | 262.19 26.51 26.87 | 266.18 24.76 19.02 | 263.13 20.18 -5.37 | 225.80 13.91 -10.19 | 162.07 9.78 -18.27 | 102.28 5.55 -4.24 | 76.69 3.45 -1.31 |
| NORTHPORT___3 23553 | 62.51 3.37 0.00 | 60.49 4.01 0.00 | 57.31 2.88 0.00 | 51.82 2.37 0.00 | 50.61 2.45 0.00 | 53.93 2.47 0.00 | 56.82 2.81 0.00 | 60.76 3.76 0.00 | 63.83 2.63 0.01 | 65.48 1.92 0.53 | 76.54 3.51 0.01 | 87.89 5.93 3.98 | 107.91 9.38 14.49 | 151.74 12.91 -0.08 | 158.61 15.78 19.88 | 199.13 17.22 -11.39 | 240.56 23.26 13.09 | 261.04 25.75 27.26 | 264.92 24.23 19.75 | 262.52 20.18 -4.77 | 225.18 13.72 -9.76 | 161.14 8.98 -18.14 | 101.80 5.08 -4.22 | 76.28 3.09 -1.26 |
| NORTHPORT___4 23650 | 62.51 3.37 0.00 | 60.49 4.01 0.00 | 57.31 2.88 0.00 | 51.82 2.37 0.00 | 50.61 2.45 0.00 | 53.93 2.47 0.00 | 56.82 2.81 0.00 | 60.76 3.76 0.00 | 63.83 2.63 0.01 | 65.48 1.92 0.53 | 76.54 3.51 0.01 | 87.89 5.93 3.98 | 107.91 9.38 14.49 | 151.74 12.91 -0.08 | 158.61 15.78 19.88 | 199.13 17.22 -11.39 | 240.56 23.26 13.09 | 261.04 25.75 27.26 | 264.92 24.23 19.75 | 262.52 20.18 -4.77 | 225.18 13.72 -9.76 | 161.14 8.98 -18.14 | 101.80 5.08 -4.22 | 76.28 3.09 -1.26 |
| NORTHPORT___IC 23718 | 63.22 4.08 0.00 | 60.71 4.24 0.00 | 57.59 3.16 0.00 | 52.16 2.72 0.00 | 50.95 2.79 0.00 | 54.19 2.73 0.00 | 57.25 3.24 0.00 | 60.87 3.88 0.00 | 64.21 3.00 0.00 | 65.62 2.05 0.53 | 76.76 3.72 0.00 | 88.26 6.27 3.95 | 108.46 9.83 14.39 | 152.67 13.74 -0.18 | 159.16 16.11 19.66 | 199.60 17.56 -11.51 | 241.48 23.73 12.64 | 262.20 26.52 26.87 | 266.17 24.74 19.02 | 263.14 20.19 -5.37 | 226.22 14.32 -10.19 | 162.07 9.78 -18.27 | 102.84 6.10 -4.24 | 77.34 4.10 -1.31 |
| NORTH___COUNTRY_ESR 323785 | 56.42 -2.72 0.00 | 54.39 -2.09 0.00 | 52.63 -1.79 0.00 | 47.96 -1.48 0.00 | 46.66 -1.49 0.00 | 49.97 -1.49 0.00 | 52.34 -1.67 0.00 | 55.23 -1.77 0.00 | 59.43 -1.78 0.00 | 61.91 -2.18 0.00 | 69.75 -3.29 0.00 | 81.13 -4.81 0.00 | 106.47 -6.56 0.00 | 130.69 -8.05 0.01 | 151.55 -9.27 1.90 | 161.14 -9.38 0.00 | 218.65 -11.74 0.00 | 249.69 -12.86 0.00 | 247.95 -12.50 0.00 | 226.89 -10.69 0.00 | 192.43 -9.28 0.00 | 127.85 -6.16 0.00 | 88.88 -3.61 0.00 | 70.35 -1.58 0.00 |
| NPX_GEN_1385_PROXY 323591 | 63.16 4.02 0.00 | 61.05 4.57 0.00 | 57.48 3.05 0.00 | 51.91 2.47 0.00 | 50.71 2.55 0.00 | 54.39 2.93 0.00 | 57.25 3.24 0.00 | 60.76 3.76 0.00 | 63.97 2.76 0.00 | 65.04 1.48 0.53 | 77.71 4.68 0.00 | 88.09 6.10 3.95 | 108.46 9.83 14.39 | 152.68 13.74 -0.19 | 161.60 18.54 19.66 | 202.66 20.62 -11.51 | 244.69 26.94 12.64 | 265.34 29.66 26.87 | 269.56 28.14 19.02 | 266.93 23.98 -5.37 | 229.03 17.14 -10.19 | 166.40 12.32 -20.06 | 102.66 5.92 -4.24 | 77.41 4.17 -1.31 |
| NPX_GEN_CSC 323557 | 63.40 4.26 0.00 | 60.82 4.35 0.00 | 57.53 3.10 0.00 | 51.87 2.42 0.00 | 50.66 2.50 0.00 | 53.98 2.52 0.00 | 56.76 2.75 0.00 | 60.93 3.93 0.00 | 64.64 3.43 0.00 | 66.86 2.82 0.05 | 78.01 4.97 0.00 | 93.93 7.99 0.00 | 126.10 12.54 -0.53 | 156.04 16.64 -0.65 | 192.51 19.68 -10.11 | 227.79 21.49 -35.78 | 299.55 26.03 -43.14 | 346.36 29.14 -54.67 | 346.32 27.59 -58.28 | 301.60 22.81 -41.22 | 251.86 16.95 -33.21 | 165.77 13.53 -18.23 | 104.05 7.22 -4.33 | 77.81 4.32 -1.56 |
| NSINS_S_GLNS_FALLS 23858 | 63.52 4.38 0.00 | 60.26 3.78 0.00 | 57.75 3.32 0.00 | 52.21 2.77 0.00 | 50.85 2.70 0.00 | 54.45 2.98 0.00 | 57.20 3.19 0.00 | 60.53 3.53 0.00 | 65.01 3.80 0.00 | 67.68 3.59 0.00 | 77.21 4.16 -0.01 | 91.09 5.16 0.00 | 120.60 7.57 0.00 | 158.89 9.71 -10.42 | 202.28 11.72 -27.85 | 292.26 13.13 -108.61 | 412.05 17.74 -163.92 | 480.20 20.74 -196.90 | 564.24 23.44 -280.36 | 551.10 21.38 -292.14 | 541.56 18.76 -321.10 | 353.41 12.33 -207.06 | 139.48 8.23 -38.76 | 77.54 5.61 0.00 |
| NUCOR_STEEL___DRP 24197 | 60.09 0.95 0.00 | 57.10 0.62 0.00 | 54.86 0.44 0.00 | 49.84 0.40 0.00 | 48.45 0.29 0.00 | 51.82 0.36 0.00 | 54.66 0.65 0.00 | 57.80 0.80 0.00 | 62.25 1.04 0.00 | 65.31 1.22 0.00 | 75.01 1.97 0.00 | 88.60 2.66 0.00 | 115.96 2.94 0.00 | 141.80 3.05 0.00 | 166.13 3.42 0.00 | 176.11 3.58 -2.00 | 237.81 3.92 -3.51 | 271.93 4.99 -4.39 | 271.93 5.47 -6.01 | 247.26 6.18 -3.51 | 207.55 5.85 0.00 | 138.44 4.42 0.00 | 95.45 2.96 0.00 | 74.23 2.30 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 60.50 1.36 0.00 | 57.60 1.13 0.00 | 55.41 0.98 0.00 | 50.19 0.74 0.00 | 48.88 0.72 0.00 | 52.49 1.03 0.00 | 55.09 1.08 0.00 | 58.14 1.14 0.00 | 62.31 1.10 0.00 | 64.80 0.71 0.00 | 74.14 1.10 0.00 | 87.14 1.20 0.00 | 114.39 1.36 0.00 | 138.20 -0.55 0.00 | 161.57 -0.97 0.18 | 169.68 -0.85 0.00 | 230.39 0.00 0.00 | 263.87 1.32 0.00 | 263.05 2.60 0.00 | 241.61 4.03 0.00 | 205.53 3.82 0.00 | 138.30 4.29 0.00 | 95.64 3.15 0.00 | 73.94 2.01 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 59.14 0.00 0.00 | 56.48 0.00 0.00 | 54.43 0.00 0.00 | 49.44 0.00 0.00 | 48.16 0.00 0.00 | 51.46 0.00 0.00 | 54.01 0.00 0.00 | 57.00 0.00 0.00 | 61.21 0.00 0.00 | 64.09 0.00 0.00 | 73.04 0.00 0.00 | 85.94 0.00 0.00 | 113.02 0.00 0.00 | 138.75 0.00 0.00 | 162.72 0.00 0.00 | 170.52 0.00 0.00 | 230.39 0.00 0.00 | 262.55 0.00 0.00 | 260.44 0.00 0.00 | 237.57 0.00 0.00 | 201.70 0.00 0.00 | 134.02 0.00 0.00 | 92.49 0.00 0.00 | 71.93 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 64.35 5.21 0.00 | 61.84 5.37 0.00 | 58.46 4.03 0.00 | 52.81 3.36 0.00 | 51.58 3.42 0.00 | 55.01 3.55 0.00 | 57.95 3.94 0.00 | 62.07 5.07 0.00 | 65.62 4.41 0.00 | 67.69 3.65 0.06 | 78.92 5.85 -0.03 | 94.56 8.59 -0.03 | 126.33 12.66 -0.65 | 155.83 16.36 -0.72 | 187.15 19.84 -4.59 | 224.28 21.66 -32.10 | 303.11 28.80 -43.92 | 348.82 32.28 -53.99 | 349.80 30.72 -58.64 | 304.78 25.67 -41.54 | 253.50 18.35 -33.45 | 164.80 12.47 -18.32 | 104.92 7.96 -4.47 | 79.16 5.32 -1.90 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------|------------------------|
| NYPA_GOWANUS____GT5 24156 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.15 7.99 -8.22 | 127.94 12.10 -2.82 | 184.41 16.36 -29.30 | 188.03 18.38 -6.93 | 217.11 19.94 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NYPA_GOWANUS____GT6 24157 | 63.58 4.44 0.00 | 60.60 4.12 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.64 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.96 4.96 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.68 6.35 -2.29 | 102.15 7.99 -8.22 | 127.94 12.10 -2.82 | 184.41 16.36 -29.30 | 188.03 18.38 -6.93 | 217.11 19.94 -26.64 | 298.38 27.87 -40.12 | 341.15 30.44 -48.16 | 413.37 29.42 -123.50 | 311.42 24.24 -49.61 | 260.13 18.95 -39.47 | 165.22 10.46 -20.74 | 102.97 6.66 -3.81 | 75.75 3.81 -0.01 |
| NYPA_HARLEM__RVR__GT1 24160 | 63.46 4.31 -0.01 | 60.60 4.12 -0.01 | 57.87 3.43 -0.01 | 52.62 3.17 -0.01 | 51.49 3.32 -0.01 | 54.60 3.14 0.00 | 57.79 3.78 0.00 | 61.84 4.84 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.43 5.77 0.37 | 92.07 7.47 1.34 | 123.87 11.30 0.45 | 152.25 15.26 1.76 | 187.40 17.74 -6.94 | 217.12 19.94 -26.65 | 297.22 26.71 -40.12 | 339.33 28.62 -48.16 | 343.19 27.09 -55.66 | 309.76 22.58 -49.61 | 258.72 17.54 -39.48 | 164.43 9.65 -20.76 | 102.41 6.10 -3.81 | 75.39 3.45 -0.01 |
| NYPA_HARLEM__RVR__GT2 24161 | 63.46 4.31 -0.01 | 60.60 4.12 -0.01 | 57.87 3.43 -0.01 | 52.62 3.17 -0.01 | 51.49 3.32 -0.01 | 54.60 3.14 0.00 | 57.79 3.78 0.00 | 61.84 4.84 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.43 5.77 0.37 | 92.07 7.47 1.34 | 123.87 11.30 0.45 | 152.25 15.26 1.76 | 187.40 17.74 -6.94 | 217.12 19.94 -26.65 | 297.22 26.71 -40.12 | 339.33 28.62 -48.16 | 343.19 27.09 -55.66 | 309.76 22.58 -49.61 | 258.72 17.54 -39.48 | 164.43 9.65 -20.76 | 102.41 6.10 -3.81 | 75.39 3.45 -0.01 |
| NYPA_KENT____GT 24152 | 63.52 4.38 0.00 | 60.54 4.07 0.00 | 57.86 3.43 0.00 | 52.66 3.21 0.00 | 51.53 3.37 0.00 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.11 4.90 0.00 | 69.29 5.19 -0.01 | 70.10 6.06 9.00 | 61.29 7.74 32.39 | 113.68 11.75 11.10 | 51.94 15.81 102.62 | 187.71 18.06 -6.93 | 217.28 20.11 -26.65 | 297.68 27.17 -40.12 | 340.38 29.66 -48.16 | 172.46 28.39 116.37 | 310.70 23.52 -49.60 | 259.53 18.35 -39.47 | 164.81 10.06 -20.74 | 102.41 6.38 -3.54 | 75.47 3.67 0.13 |
| NYPA_POUCH1____GT 24155 | 54.30 4.14 8.97 | 54.04 3.84 6.28 | 54.03 3.16 3.56 | 52.66 3.21 0.00 | 51.59 3.42 -0.01 | 53.81 2.83 0.48 | 53.93 3.51 3.59 | 54.04 4.61 7.58 | 55.23 4.65 10.63 | 55.62 5.00 13.47 | 65.68 5.91 13.27 | 78.07 7.56 15.43 | 112.28 11.53 12.28 | 140.17 15.81 14.39 | 187.22 17.58 -6.93 | 216.26 19.09 -26.64 | 297.22 26.71 -40.12 | 339.85 29.14 -48.16 | 385.95 28.39 -97.11 | 310.22 23.04 -49.61 | 247.14 17.95 -27.49 | 151.79 9.78 -7.99 | 86.59 6.10 12.01 | 62.27 3.45 13.12 |
| NYPA_VERNON____GT2 24162 | 63.40 4.26 0.00 | 60.54 4.07 0.00 | 57.81 3.38 0.00 | 52.56 3.12 0.00 | 51.44 3.28 0.00 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.84 4.84 0.00 | 65.99 4.78 0.00 | 69.10 5.00 0.00 | 75.04 5.77 3.77 | 79.85 7.47 13.56 | 119.57 11.19 4.65 | 112.55 15.26 41.47 | 187.39 17.74 -6.93 | 217.28 20.11 -26.65 | 297.45 26.94 -40.12 | 339.85 29.14 -48.15 | 277.90 27.59 10.14 | 310.21 23.04 -49.60 | 259.12 17.95 -39.47 | 164.54 9.78 -20.74 | 101.94 6.20 -3.25 | 75.19 3.52 0.26 |
| NYPA_VERNON____GT3 24163 | 63.40 4.26 0.00 | 60.54 4.07 0.00 | 57.81 3.38 0.00 | 52.56 3.12 0.00 | 51.44 3.28 0.00 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.84 4.84 0.00 | 65.99 4.78 0.00 | 69.10 5.00 0.00 | 75.04 5.77 3.77 | 79.85 7.47 13.56 | 119.57 11.19 4.65 | 112.55 15.26 41.47 | 187.39 17.74 -6.93 | 217.28 20.11 -26.65 | 297.45 26.94 -40.12 | 339.85 29.14 -48.15 | 277.90 27.59 10.14 | 310.21 23.04 -49.60 | 259.12 17.95 -39.47 | 164.54 9.78 -20.74 | 101.94 6.20 -3.25 | 75.19 3.52 0.26 |
| NYPA____ASTORIA_CC1 323568 | 63.28 4.14 0.00 | 60.43 3.95 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.50 3.04 0.00 | 57.69 3.67 0.00 | 61.73 4.73 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.77 5.55 1.82 | 86.60 7.22 6.55 | 121.74 10.96 2.24 | 134.92 14.85 18.69 | 186.89 17.24 -6.93 | 216.94 19.77 -26.64 | 296.76 26.25 -40.11 | 339.07 28.36 -48.15 | 316.51 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 74.95 3.38 0.37 |
| NYPA____ASTORIA_CC2 323569 | 63.28 4.14 0.00 | 60.43 3.95 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.50 3.04 0.00 | 57.69 3.67 0.00 | 61.73 4.73 0.00 | 65.80 4.59 0.00 | 68.90 4.81 0.00 | 76.77 5.55 1.82 | 86.60 7.22 6.55 | 121.74 10.96 2.24 | 134.92 14.85 18.69 | 186.89 17.24 -6.93 | 216.94 19.77 -26.64 | 296.76 26.25 -40.11 | 339.07 28.36 -48.15 | 316.51 26.83 -29.23 | 309.50 22.33 -49.60 | 258.52 17.35 -39.47 | 164.14 9.38 -20.74 | 101.52 6.01 -3.02 | 74.95 3.38 0.37 |
| NYPA____HOLTSVILL 23794 | 63.69 4.55 0.00 | 61.16 4.68 0.00 | 57.86 3.43 0.00 | 52.26 2.82 0.00 | 51.05 2.89 0.00 | 54.44 2.98 0.00 | 57.25 3.24 0.00 | 61.39 4.39 0.00 | 64.94 3.73 0.00 | 67.06 3.01 0.04 | 78.08 5.04 0.00 | 93.75 7.82 0.00 | 125.64 12.10 -0.52 | 155.49 16.09 -0.65 | 233.51 19.19 -51.61 | 258.36 20.62 -67.21 | 300.43 26.94 -43.10 | 358.44 29.92 -65.97 | 347.11 28.39 -58.27 | 302.53 23.75 -41.21 | 252.04 17.14 -33.20 | 164.43 12.19 -18.22 | 103.94 7.12 -4.33 | 77.79 4.32 -1.54 |
| NYPA____HELLGATE_GT1 24158 | 63.46 4.31 -0.01 | 60.60 4.12 -0.01 | 57.87 3.43 -0.01 | 52.62 3.17 -0.01 | 51.49 3.32 -0.01 | 54.60 3.14 0.00 | 57.79 3.78 0.00 | 61.84 4.84 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.43 5.77 0.37 | 92.07 7.47 1.34 | 123.87 11.30 0.45 | 152.25 15.26 1.76 | 187.40 17.74 -6.94 | 217.12 19.94 -26.65 | 297.22 26.71 -40.12 | 339.33 28.62 -48.16 | 343.19 27.09 -55.66 | 309.76 22.58 -49.61 | 258.72 17.54 -39.48 | 164.43 9.65 -20.76 | 102.41 6.10 -3.81 | 75.39 3.45 -0.01 |
| NYPA____HELLGATE_GT2 24159 | 63.46 4.31 -0.01 | 60.60 4.12 -0.01 | 57.87 3.43 -0.01 | 52.62 3.17 -0.01 | 51.49 3.32 -0.01 | 54.60 3.14 0.00 | 57.79 3.78 0.00 | 61.84 4.84 0.00 | 65.92 4.71 0.00 | 69.16 5.06 0.00 | 78.43 5.77 0.37 | 92.07 7.47 1.34 | 123.87 11.30 0.45 | 152.25 15.26 1.76 | 187.40 17.74 -6.94 | 217.12 19.94 -26.65 | 297.22 26.71 -40.12 | 339.33 28.62 -48.16 | 343.19 27.09 -55.66 | 309.76 22.58 -49.61 | 258.72 17.54 -39.48 | 164.43 9.65 -20.76 | 102.41 6.10 -3.81 | 75.39 3.45 -0.01 |
| NYS_BARGE____HYD 23848 | 59.14 0.00 0.00 | 56.42 -0.06 0.00 | 53.23 -1.20 0.00 | 48.70 -0.74 0.00 | 46.91 -1.25 0.00 | 50.38 -1.08 0.00 | 53.58 -0.43 0.00 | 55.46 -1.54 0.00 | 59.99 -1.22 0.00 | 63.26 -0.83 0.00 | 72.82 -0.22 0.00 | 87.05 1.11 0.00 | 111.33 -1.69 0.00 | 134.03 -4.72 0.00 | 154.75 -7.97 0.00 | 162.78 -10.23 -2.49 | 216.54 -18.21 -4.35 | 248.85 -19.16 -5.45 | 249.42 -18.49 -7.46 | 228.39 -13.53 -4.35 | 193.24 -8.46 0.00 | 131.47 -2.55 0.00 | 91.85 -0.64 0.00 | 72.22 0.29 0.00 |
| OAK ORCHARD____HYD 24046 | 59.91 0.77 0.00 | 57.04 0.56 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 48.01 -0.14 0.00 | 51.26 -0.21 0.00 | 54.50 0.49 0.00 | 57.11 0.11 0.00 | 61.58 0.37 0.00 | 65.06 0.96 0.00 | 74.87 1.83 0.00 | 89.12 3.18 0.00 | 115.28 2.26 0.00 | 140.14 1.39 0.00 | 162.88 0.16 0.00 | 169.84 -0.68 0.00 | 227.16 -3.23 0.00 | 259.67 -2.88 0.00 | 257.58 -2.86 0.00 | 237.10 -0.47 0.00 | 202.92 1.22 0.00 | 136.56 2.54 0.00 | 94.62 2.13 0.00 | 73.51 1.58 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|------------------------|------------------------|
| OAKDALE___35_KV_LOAD 356122 | 60.09 0.95 0.00 | 57.10 0.62 0.00 | 54.92 0.49 0.00 | 49.94 0.49 0.00 | 48.59 0.43 0.00 | 51.92 0.46 0.00 | 54.77 0.76 0.00 | 57.91 0.91 0.00 | 62.31 1.10 0.00 | 65.31 1.22 0.00 | 75.01 1.97 0.00 | 88.77 2.84 0.00 | 116.30 3.28 0.00 | 142.22 3.47 0.00 | 166.30 3.58 0.00 | 179.93 3.41 -5.99 | 244.56 3.69 -10.49 | 279.89 4.20 -13.14 | 284.67 4.95 -19.28 | 260.11 5.46 -17.07 | 218.83 5.24 -11.88 | 145.27 4.02 -7.23 | 97.13 2.96 -1.68 | 74.16 2.23 0.00 |
| OCC_CHEM___DRP 24175 | 58.02 -1.12 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.42 -1.73 0.00 | 49.61 -1.85 0.00 | 53.15 -0.86 0.00 | 54.89 -2.11 0.00 | 59.13 -2.08 0.00 | 62.36 -1.73 0.00 | 71.72 -1.31 0.00 | 85.68 -0.26 0.00 | 109.97 -3.05 0.00 | 131.95 -6.80 0.00 | 152.63 -10.09 0.00 | 161.49 -11.60 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 245.20 -22.92 -7.67 | 224.47 -17.58 -4.47 | 189.80 -11.90 0.00 | 129.33 -4.69 0.00 | 90.18 -2.31 0.00 | 72.51 0.58 0.00 |
| OH_GEN_PROXY 24063 | 58.61 -0.53 0.00 | 55.91 -0.56 0.00 | 53.18 -1.25 0.00 | 48.70 -0.74 0.00 | 46.91 -1.25 0.00 | 50.02 -1.44 0.00 | 53.47 -0.54 0.00 | 55.40 -1.60 0.00 | 59.81 -1.41 0.00 | 63.06 -1.03 0.00 | 72.53 -0.51 0.00 | 86.71 0.77 0.00 | 111.33 -1.69 0.00 | 133.89 -4.86 0.00 | 154.75 -7.97 0.00 | 162.99 -10.06 -2.52 | 216.83 -17.97 -4.42 | 248.93 -19.16 -5.53 | 249.26 -18.76 -7.57 | 228.46 -13.53 -4.42 | 193.04 -8.67 0.00 | 131.20 -2.82 0.00 | 91.48 -1.02 0.00 | 71.86 -0.07 0.00 |
| OLIN_CORP_DRP 24177 | 58.73 -0.41 0.00 | 56.02 -0.45 0.00 | 52.74 -1.69 0.00 | 48.31 -1.14 0.00 | 46.91 -1.25 0.00 | 50.17 -1.29 0.00 | 53.09 -0.92 0.00 | 55.00 -1.99 0.00 | 59.25 -1.96 0.00 | 62.49 -1.60 0.00 | 71.94 -1.10 0.00 | 86.02 0.09 0.00 | 110.43 -2.60 0.00 | 132.51 -6.24 0.00 | 153.28 -9.44 0.00 | 162.36 -10.74 -2.58 | 213.94 -20.97 -4.52 | 245.63 -22.58 -5.66 | 246.83 -21.36 -7.75 | 225.94 -16.15 -4.52 | 190.81 -10.89 0.00 | 130.00 -4.02 0.00 | 90.64 -1.85 0.00 | 72.87 0.94 0.00 |
| OLIN_CORP_DSASP 323712 | 58.02 -1.13 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.91 -1.25 0.00 | 49.45 -2.01 0.00 | 53.14 -0.87 0.00 | 54.72 -2.28 0.00 | 59.13 -2.08 0.00 | 62.37 -1.73 0.00 | 71.73 -1.31 0.00 | 85.68 -0.26 0.00 | 109.86 -3.16 0.00 | 131.95 -6.80 0.00 | 152.30 -10.42 0.00 | 159.95 -13.13 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 244.68 -23.44 -7.67 | 223.98 -18.07 -4.47 | 189.80 -11.90 0.00 | 129.20 -4.82 0.00 | 90.18 -2.31 0.00 | 71.07 -0.86 0.00 |
| ONEIDA_HERK_LFGE 323681 | 60.79 1.65 0.00 | 57.89 1.41 0.00 | 55.68 1.25 0.00 | 50.48 1.04 0.00 | 49.12 0.96 0.00 | 52.69 1.23 0.00 | 55.36 1.35 0.00 | 58.48 1.48 0.00 | 62.80 1.59 0.00 | 65.57 1.48 0.00 | 75.08 2.04 0.00 | 88.51 2.58 0.00 | 116.30 3.28 0.00 | 141.94 3.19 0.00 | 166.47 3.58 -0.18 | 174.27 3.75 0.00 | 236.15 5.76 0.00 | 269.89 7.34 0.00 | 268.25 7.81 0.00 | 245.40 7.83 0.00 | 208.57 6.86 0.00 | 139.38 5.37 0.00 | 96.10 3.60 0.00 | 74.23 2.30 0.00 |
| ONEIDA___115KV_TB4 55905 | 60.91 1.77 0.00 | 57.89 1.41 0.00 | 55.68 1.25 0.00 | 50.48 1.04 0.00 | 49.12 0.96 0.00 | 52.64 1.18 0.00 | 55.36 1.35 0.00 | 58.54 1.54 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.52 2.48 0.00 | 89.20 3.27 0.00 | 117.32 4.29 0.00 | 144.02 5.27 0.00 | 168.80 5.86 -0.22 | 176.49 5.97 0.00 | 238.91 8.52 0.00 | 272.53 9.98 0.00 | 270.86 10.42 0.00 | 247.79 10.22 0.00 | 210.78 9.08 0.00 | 140.05 6.03 0.00 | 96.66 4.16 0.00 | 74.74 2.81 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 59.38 0.24 0.00 | 56.42 -0.06 0.00 | 54.27 -0.16 0.00 | 49.30 -0.15 0.00 | 47.92 -0.24 0.00 | 51.25 -0.21 0.00 | 54.01 0.00 0.00 | 57.23 0.23 0.00 | 61.58 0.37 0.00 | 64.67 0.58 0.00 | 74.21 1.17 0.00 | 87.57 1.63 0.00 | 114.95 1.92 0.00 | 140.69 1.94 0.00 | 164.99 2.28 0.00 | 172.74 2.22 0.00 | 232.69 2.30 0.00 | 265.44 2.89 0.00 | 263.57 3.13 0.00 | 241.14 3.56 0.00 | 205.13 3.43 0.00 | 136.56 2.55 0.00 | 94.16 1.66 0.00 | 73.08 1.15 0.00 |
| ONONDAGA___COGEN 23986 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.91 0.88 0.00 | 87.23 1.29 0.00 | 114.38 1.36 0.00 | 140.00 1.25 0.00 | 164.18 1.46 0.00 | 172.06 1.53 0.00 | 231.77 1.38 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.94 1.01 0.00 |
| ONTARIO___LFGE 23819 | 60.38 1.24 0.00 | 57.32 0.85 0.00 | 54.81 0.38 0.00 | 50.19 0.74 0.00 | 48.69 0.53 0.00 | 51.98 0.51 0.00 | 54.98 0.97 0.00 | 58.08 1.08 0.00 | 62.62 1.41 0.00 | 65.82 1.73 0.00 | 75.74 2.70 0.00 | 89.38 3.44 0.00 | 115.85 2.83 0.00 | 141.11 2.36 0.00 | 164.83 2.11 0.00 | 174.81 1.88 -2.41 | 235.76 1.16 -4.22 | 270.19 2.36 -5.28 | 271.32 3.64 -7.23 | 247.26 5.47 -4.22 | 207.34 5.64 0.00 | 139.78 5.76 0.00 | 96.01 3.51 0.00 | 74.59 2.66 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 59.20 0.06 0.00 | 56.19 -0.28 0.00 | 53.50 -0.93 0.00 | 48.90 -0.54 0.00 | 47.34 -0.82 0.00 | 50.59 -0.88 0.00 | 54.01 0.00 0.00 | 56.15 -0.85 0.00 | 60.48 -0.73 0.00 | 63.65 -0.45 0.00 | 73.33 0.29 0.00 | 87.48 1.55 0.00 | 112.57 -0.45 0.00 | 135.83 -2.92 0.00 | 157.35 -5.37 0.00 | 166.67 -7.00 -3.14 | 222.99 -12.90 -5.50 | 256.06 -13.38 -6.89 | 258.68 -11.19 -9.43 | 237.14 -5.93 -5.50 | 199.49 -2.21 0.00 | 135.22 1.20 0.00 | 94.25 1.75 0.00 | 73.44 1.51 0.00 |
| ORANGEVILLE___ESR 323794 | 59.20 0.06 0.00 | 56.19 -0.28 0.00 | 53.50 -0.93 0.00 | 48.90 -0.54 0.00 | 47.34 -0.82 0.00 | 50.59 -0.88 0.00 | 54.01 0.00 0.00 | 56.15 -0.85 0.00 | 60.48 -0.73 0.00 | 63.65 -0.45 0.00 | 73.33 0.29 0.00 | 87.48 1.55 0.00 | 112.57 -0.45 0.00 | 135.83 -2.92 0.00 | 157.35 -5.37 0.00 | 166.67 -7.00 -3.14 | 222.99 -12.90 -5.50 | 256.06 -13.38 -6.89 | 258.68 -11.19 -9.43 | 237.14 -5.93 -5.50 | 199.49 -2.21 0.00 | 135.22 1.20 0.00 | 94.25 1.75 0.00 | 73.44 1.51 0.00 |
| OSWEGATCHIE___HYD 24044 | 59.26 0.12 0.00 | 56.65 0.17 0.00 | 54.54 0.11 0.00 | 49.49 0.05 0.00 | 48.16 0.00 0.00 | 51.72 0.26 0.00 | 54.17 0.16 0.00 | 57.17 0.17 0.00 | 61.27 0.06 0.00 | 63.51 -0.58 0.00 | 72.24 -0.80 0.00 | 84.30 -1.64 0.00 | 110.43 -2.60 0.00 | 133.05 -5.69 0.00 | 154.65 -7.16 0.91 | 163.37 -7.16 0.00 | 221.87 -8.52 0.00 | 253.90 -8.66 0.00 | 253.15 -7.29 0.00 | 232.12 -5.45 0.00 | 197.27 -4.44 0.00 | 132.68 -1.34 0.00 | 92.49 0.00 0.00 | 72.22 0.29 0.00 |
| OSWEGO___5 23606 | 58.19 -0.95 0.00 | 55.46 -1.01 0.00 | 53.34 -1.09 0.00 | 48.46 -0.99 0.00 | 47.14 -1.01 0.00 | 50.38 -1.08 0.00 | 53.04 -0.97 0.00 | 55.97 -1.02 0.00 | 60.23 -0.98 0.00 | 63.20 -0.90 0.00 | 72.31 -0.73 0.00 | 85.34 -0.60 0.00 | 112.01 -1.02 0.00 | 137.09 -1.66 0.00 | 160.60 -2.12 0.00 | 168.14 -2.39 0.00 | 226.69 -3.70 0.00 | 258.62 -3.93 0.00 | 256.80 -3.65 0.00 | 234.73 -2.84 0.00 | 199.49 -2.21 0.00 | 132.94 -1.08 0.00 | 91.75 -0.74 0.00 | 71.07 -0.86 0.00 |
| OSWEGO___6 23613 | 58.19 -0.95 0.00 | 55.46 -1.01 0.00 | 53.34 -1.09 0.00 | 48.46 -0.99 0.00 | 47.14 -1.01 0.00 | 50.38 -1.08 0.00 | 53.04 -0.97 0.00 | 55.97 -1.02 0.00 | 60.23 -0.98 0.00 | 63.20 -0.90 0.00 | 72.31 -0.73 0.00 | 85.34 -0.60 0.00 | 112.01 -1.02 0.00 | 137.09 -1.66 0.00 | 160.60 -2.12 0.00 | 168.14 -2.39 0.00 | 226.69 -3.70 0.00 | 258.62 -3.93 0.00 | 256.80 -3.65 0.00 | 234.73 -2.84 0.00 | 199.49 -2.21 0.00 | 132.94 -1.08 0.00 | 91.75 -0.74 0.00 | 71.07 -0.86 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|------------------------|
| OUTOKUMPU-AB___DRP 24206 | 59.61 0.47 0.00 | 56.76 0.28 0.00 | 54.10 -0.33 0.00 | 49.49 0.05 0.00 | 47.53 -0.63 0.00 | 50.84 -0.62 0.00 | 54.28 0.27 0.00 | 56.32 -0.68 0.00 | 60.78 -0.43 0.00 | 64.09 0.00 0.00 | 73.62 0.58 0.00 | 87.91 1.98 0.00 | 113.02 0.00 0.00 | 135.70 -3.05 0.00 | 157.02 -5.70 0.00 | 166.49 -6.65 -2.61 | 219.75 -15.21 -4.57 | 252.00 -16.28 -5.73 | 253.44 -14.85 -7.84 | 231.69 -10.45 -4.57 | 195.45 -6.25 0.00 | 132.81 -1.21 0.00 | 92.59 0.09 0.00 | 74.23 2.30 0.00 |
| OXBOW___BTM 323836 | 58.96 -0.18 0.00 | 56.19 -0.28 0.00 | 53.78 -0.65 0.00 | 49.20 -0.25 0.00 | 47.39 -0.77 0.00 | 50.18 -1.28 0.00 | 53.80 -0.22 0.00 | 55.58 -1.42 0.00 | 60.11 -1.10 0.00 | 63.39 -0.70 0.00 | 72.89 -0.15 0.00 | 86.62 0.68 0.00 | 111.10 -1.92 0.00 | 133.62 -5.13 0.00 | 154.25 -8.47 0.00 | 162.19 -10.92 -2.59 | 215.79 -19.12 -4.52 | 247.74 -20.48 -5.67 | 248.15 -20.05 -7.76 | 227.14 -14.96 -4.52 | 192.23 -9.48 0.00 | 130.67 -3.35 0.00 | 91.20 -1.30 0.00 | 72.15 0.22 0.00 |
| OXBOW___ 24026 | 58.96 -0.18 0.00 | 56.19 -0.28 0.00 | 53.78 -0.65 0.00 | 49.20 -0.25 0.00 | 47.05 -1.11 0.00 | 50.33 -1.13 0.00 | 53.79 -0.22 0.00 | 55.69 -1.31 0.00 | 60.11 -1.10 0.00 | 63.39 -0.71 0.00 | 72.89 -0.15 0.00 | 86.62 0.69 0.00 | 111.33 -1.70 0.00 | 133.62 -5.13 0.00 | 154.58 -8.14 0.00 | 163.73 -9.38 -2.59 | 215.79 -19.12 -4.52 | 247.48 -20.74 -5.67 | 248.67 -19.53 -7.76 | 227.37 -14.73 -4.52 | 192.22 -9.48 0.00 | 130.80 -3.22 0.00 | 91.11 -1.39 0.00 | 73.59 1.65 0.00 |
| OXY_CHEM_DSASP 323612 | 58.02 -1.12 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.42 -1.73 0.00 | 49.61 -1.85 0.00 | 53.15 -0.86 0.00 | 54.89 -2.11 0.00 | 59.13 -2.08 0.00 | 62.36 -1.73 0.00 | 71.72 -1.31 0.00 | 85.68 -0.26 0.00 | 109.97 -3.05 0.00 | 131.95 -6.80 0.00 | 152.63 -10.09 0.00 | 161.49 -11.60 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 245.20 -22.92 -7.67 | 224.47 -17.58 -4.47 | 189.80 -11.90 0.00 | 129.33 -4.69 0.00 | 90.18 -2.31 0.00 | 72.51 0.58 0.00 |
| OZONE_PARK_ESR 323760 | 64.11 4.97 0.00 | 60.94 4.46 0.00 | 58.29 3.86 0.00 | 52.95 3.51 0.00 | 51.77 3.61 0.00 | 55.01 3.55 0.00 | 58.22 4.21 0.00 | 62.30 5.30 0.00 | 66.54 5.33 0.00 | 69.86 5.77 0.00 | 80.05 7.01 0.00 | 94.87 8.94 0.00 | 126.14 13.11 0.00 | 158.83 17.48 -2.60 | 189.99 20.34 -6.93 | 219.50 22.34 -26.64 | 301.60 31.10 -40.11 | 344.83 34.13 -48.15 | 357.20 32.56 -64.20 | 315.20 28.03 -49.60 | 263.36 22.19 -39.47 | 167.36 12.60 -20.75 | 104.53 8.23 -3.80 | 77.33 5.39 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 58.02 -1.12 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.42 -1.73 0.00 | 49.61 -1.85 0.00 | 53.15 -0.86 0.00 | 54.89 -2.11 0.00 | 59.13 -2.08 0.00 | 62.36 -1.73 0.00 | 71.72 -1.31 0.00 | 85.68 -0.26 0.00 | 109.97 -3.05 0.00 | 131.95 -6.80 0.00 | 152.63 -10.09 0.00 | 161.49 -11.60 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 245.20 -22.92 -7.67 | 224.47 -17.58 -4.47 | 189.80 -11.90 0.00 | 129.33 -4.69 0.00 | 90.18 -2.31 0.00 | 72.51 0.58 0.00 |
| PACKARD___115KV_DUPONT_184 80571 | 58.02 -1.12 0.00 | 55.40 -1.07 0.00 | 53.23 -1.20 0.00 | 48.75 -0.69 0.00 | 46.42 -1.73 0.00 | 49.61 -1.85 0.00 | 53.15 -0.86 0.00 | 54.89 -2.11 0.00 | 59.13 -2.08 0.00 | 62.36 -1.73 0.00 | 71.72 -1.31 0.00 | 85.68 -0.26 0.00 | 109.97 -3.05 0.00 | 131.95 -6.80 0.00 | 152.63 -10.09 0.00 | 161.49 -11.60 -2.56 | 212.74 -22.12 -4.47 | 244.27 -23.89 -5.61 | 245.20 -22.92 -7.67 | 224.47 -17.58 -4.47 | 189.80 -11.90 0.00 | 129.33 -4.69 0.00 | 90.18 -2.31 0.00 | 72.51 0.58 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 63.47 4.32 -0.01 | 60.49 4.01 -0.01 | 57.92 3.48 -0.01 | 52.67 3.21 -0.01 | 51.54 3.37 -0.01 | 54.60 3.14 0.00 | 57.79 3.78 0.00 | 61.73 4.73 0.00 | 65.86 4.65 0.00 | 69.03 4.94 0.00 | 78.35 5.70 0.38 | 91.86 7.30 1.38 | 123.52 10.96 0.47 | 151.98 15.12 1.89 | 187.07 17.41 -6.94 | 216.44 19.27 -26.65 | 297.47 26.96 -40.12 | 339.33 28.62 -48.16 | 342.93 27.09 -55.40 | 309.75 22.57 -49.61 | 258.73 17.55 -39.48 | 164.42 9.65 -20.76 | 102.50 6.20 -3.81 | 75.90 3.96 -0.01 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 64.41 5.26 -0.01 | 61.34 4.86 -0.01 | 58.74 4.30 -0.01 | 53.46 4.00 -0.01 | 52.26 4.09 -0.01 | 55.32 3.86 0.00 | 58.55 4.54 0.00 | 62.53 5.53 0.00 | 66.66 5.45 0.00 | 69.86 5.77 0.00 | 79.45 6.79 0.38 | 93.06 8.51 1.38 | 124.99 12.43 0.47 | 153.93 17.07 1.89 | 189.51 19.85 -6.94 | 219.00 21.83 -26.65 | 300.92 30.41 -40.12 | 343.53 32.82 -48.16 | 347.10 31.25 -55.40 | 313.79 26.61 -49.61 | 262.16 20.98 -39.48 | 166.70 11.93 -20.76 | 104.07 7.77 -3.81 | 77.12 5.18 -0.01 |
| PATROON___115KV_TB1 80586 | 61.27 2.13 0.00 | 58.17 1.69 0.00 | 56.06 1.63 0.00 | 50.83 1.38 0.00 | 49.55 1.40 0.00 | 52.90 1.44 0.00 | 55.41 1.40 0.00 | 58.59 1.60 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.23 2.19 0.00 | 88.60 2.66 0.00 | 117.21 4.18 0.00 | 146.87 5.83 -2.29 | 176.16 7.32 -6.12 | 236.25 8.19 -57.54 | 336.16 10.83 -94.94 | 391.45 11.81 -117.08 | 447.01 10.94 -175.62 | 436.08 9.27 -189.24 | 399.43 7.87 -189.86 | 264.23 4.82 -125.39 | 121.08 3.05 -25.54 | 74.16 2.23 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 62.33 3.19 0.00 | 59.30 2.82 0.00 | 57.04 2.61 0.00 | 51.72 2.28 0.00 | 50.42 2.26 0.00 | 53.88 2.42 0.00 | 56.44 2.43 0.00 | 59.50 2.51 0.00 | 63.60 2.38 0.00 | 66.27 2.18 0.00 | 75.82 2.77 -0.01 | 89.46 3.52 0.00 | 118.12 5.09 0.00 | 151.16 6.52 -5.88 | 186.41 7.97 -15.72 | 272.68 8.86 -93.30 | 391.34 12.43 -148.52 | 458.53 14.69 -181.28 | 545.18 15.89 -268.85 | 547.68 14.98 -295.14 | 529.99 13.10 -315.18 | 342.66 8.71 -199.94 | 139.19 5.83 -40.86 | 75.74 3.81 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 59.26 0.12 0.00 | 56.31 -0.17 0.00 | 53.50 -0.93 0.00 | 48.90 -0.54 0.00 | 47.24 -0.91 0.00 | 50.53 -0.93 0.00 | 54.01 0.00 0.00 | 56.32 -0.68 0.00 | 60.84 -0.37 0.00 | 64.09 0.00 0.00 | 73.99 0.95 0.00 | 88.51 2.58 0.00 | 114.15 1.13 0.00 | 137.36 -1.39 0.00 | 159.14 -3.58 0.00 | 169.48 -3.92 -2.88 | 224.82 -10.60 -5.04 | 257.83 -11.03 -6.31 | 259.44 -9.64 -8.63 | 236.67 -5.94 -5.04 | 198.68 -3.03 0.00 | 134.42 0.40 0.00 | 93.60 1.11 0.00 | 74.38 2.45 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 63.40 4.26 0.00 | 60.20 3.73 0.00 | 57.59 3.16 0.00 | 52.36 2.92 0.00 | 51.10 2.94 0.00 | 54.45 2.98 0.00 | 57.41 3.40 0.00 | 61.27 4.27 0.00 | 65.80 4.59 0.00 | 68.96 4.87 0.00 | 79.47 6.43 0.00 | 94.01 8.08 0.00 | 124.67 11.64 0.00 | 156.53 15.40 -2.38 | 187.30 18.22 -6.36 | 216.68 20.12 -26.04 | 297.63 27.65 -39.59 | 340.94 30.72 -47.67 | 353.63 29.17 -64.02 | 312.71 25.18 -49.96 | 261.27 20.37 -39.19 | 166.74 12.06 -20.66 | 104.17 7.77 -3.91 | 77.18 5.25 0.00 |
| PEEKSKILL___ 23653 | 62.75 3.61 0.00 | 59.75 3.27 0.00 | 57.15 2.72 0.00 | 51.87 2.42 0.00 | 50.71 2.55 0.00 | 53.98 2.52 0.00 | 56.93 2.91 0.00 | 60.76 3.76 0.00 | 65.07 3.86 0.00 | 68.20 4.11 0.00 | 78.30 5.26 0.00 | 92.64 6.71 0.00 | 123.08 10.06 0.00 | 154.61 13.32 -2.54 | 185.61 16.11 -6.78 | 214.50 17.73 -26.24 | 294.13 24.18 -39.56 | 336.56 26.51 -47.50 | 348.83 25.01 -63.38 | 307.97 21.39 -49.00 | 257.55 16.95 -38.90 | 164.25 9.78 -20.45 | 102.55 6.29 -3.76 | 75.53 3.60 0.00 |
| PGE MADISON___WINDPWR 24146 | 64.88 5.74 0.00 | 61.50 5.02 0.00 | 59.00 4.57 0.00 | 53.45 4.00 0.00 | 52.01 3.85 0.00 | 55.94 4.47 0.00 | 59.03 5.02 0.00 | 62.47 5.47 0.00 | 67.09 5.88 0.00 | 69.80 5.70 0.00 | 80.49 7.45 0.00 | 95.22 9.28 0.00 | 124.67 11.64 0.00 | 152.36 13.61 0.00 | 178.50 15.78 0.00 | 194.27 16.54 -7.21 | 266.75 23.74 -12.63 | 306.99 28.62 -15.82 | 314.41 30.46 -23.51 | 289.36 29.69 -22.09 | 245.00 26.21 -17.08 | 162.24 17.83 -10.39 | 107.02 12.11 -2.42 | 80.06 8.13 0.00 |

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| PIERCEFIELD___HYD 23852 | 57.78 -1.36 0.00 | 55.63 -0.85 0.00 | 53.61 -0.82 0.00 | 48.75 -0.69 0.00 | 47.44 -0.72 0.00 | 50.84 -0.62 0.00 | 53.20 -0.81 0.00 | 56.03 -0.97 0.00 | 60.05 -1.16 0.00 | 62.11 -1.99 0.00 | 70.12 -2.92 0.00 | 81.12 -4.81 0.00 | 106.02 -7.01 0.00 | 128.06 -10.68 0.01 | 148.37 -12.85 1.49 | 157.22 -13.30 0.00 | 213.57 -16.82 0.00 | 244.17 -18.38 0.00 | 242.73 -17.71 0.00 | 222.13 -15.44 0.00 | 188.59 -13.11 0.00 | 126.11 -7.91 0.00 | 88.70 -3.79 0.00 | 69.84 -2.09 0.00 |
| PINELAWN_CC_1 323563 | 63.46 4.31 0.00 | 60.94 4.46 0.00 | 57.69 3.27 0.00 | 52.16 2.72 0.00 | 50.90 2.74 0.00 | 54.29 2.83 0.00 | 57.20 3.19 0.00 | 61.28 4.28 0.00 | 64.82 3.61 0.00 | 67.08 3.01 0.03 | 77.65 4.60 -0.01 | 93.24 7.30 0.00 | 125.51 11.30 -1.18 | 154.83 15.13 -0.95 | 187.07 18.38 -5.97 | 227.08 20.11 -36.44 | 305.96 27.17 -48.40 | 352.18 30.44 -59.19 | 349.42 28.91 -60.07 | 304.57 24.48 -42.53 | 253.02 17.14 -34.19 | 164.02 11.38 -18.61 | 104.24 6.75 -5.00 | 79.77 4.32 -3.52 |
| PJM_GEN_HTTP_PROXY 323702 | 63.28 4.14 0.00 | 60.26 3.78 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.14 2.99 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.56 4.56 0.00 | 65.68 4.47 0.00 | 69.03 4.94 0.00 | 79.03 5.99 0.00 | 93.67 7.74 0.00 | 124.44 11.41 0.00 | 156.61 15.26 -2.60 | 187.87 18.22 -6.93 | 217.44 20.28 -26.64 | 297.90 27.40 -40.11 | 340.62 29.92 -48.14 | 353.03 28.39 -64.19 | 311.15 23.98 -49.59 | 259.93 18.76 -39.46 | 165.22 10.46 -20.75 | 102.96 6.66 -3.80 | 75.81 3.88 0.00 |
| PJM_GEN_KEystone 24065 | 59.93 1.42 0.63 | 57.22 1.19 0.44 | 54.84 0.66 0.25 | 50.14 0.69 0.00 | 48.74 0.58 0.00 | 51.94 0.51 0.03 | 54.84 1.08 0.25 | 57.78 1.31 0.53 | 61.93 1.47 0.74 | 64.81 1.66 0.94 | 74.77 2.56 0.82 | 89.10 3.87 0.71 | 117.04 4.75 0.73 | 145.54 5.41 -1.38 | 172.18 5.85 -3.62 | 192.15 6.13 -15.49 | 261.01 6.91 -23.72 | 298.78 7.62 -28.61 | 310.89 7.28 -43.17 | 274.99 7.12 -30.30 | 230.67 6.26 -22.71 | 146.30 4.29 -8.00 | 98.21 3.24 -2.48 | 72.67 1.66 0.92 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 63.22 4.08 0.00 | 60.71 4.24 0.00 | 57.59 3.16 0.00 | 52.11 2.67 0.00 | 50.85 2.70 0.00 | 54.24 2.78 0.00 | 57.14 3.13 0.00 | 61.16 4.16 0.00 | 64.76 3.55 0.00 | 67.22 3.14 0.01 | 77.93 4.89 0.00 | 93.40 7.47 0.01 | 124.46 11.30 -0.13 | 153.91 14.99 -0.17 | 183.18 17.74 -2.73 | 218.29 19.43 -28.34 | 296.48 26.25 -39.84 | 341.05 29.14 -49.36 | 344.28 27.59 -56.24 | 300.53 23.75 -39.20 | 250.54 17.14 -31.70 | 162.74 11.12 -17.60 | 103.24 6.84 -3.90 | 76.76 4.53 -0.30 |
| PJM_GEN_VFT_PROXY 323633 | 53.95 3.79 8.98 | 53.69 3.50 6.29 | 53.75 2.88 3.57 | 52.05 2.62 0.01 | 50.95 2.79 0.00 | 53.65 2.67 0.48 | 53.65 3.24 3.60 | 53.65 4.22 7.57 | 54.69 4.10 10.62 | 55.11 4.48 13.47 | 64.65 5.40 13.80 | 75.56 6.96 17.33 | 110.61 10.51 12.93 | 132.46 14.29 20.58 | 186.73 17.08 -6.93 | 216.43 19.26 -26.64 | 296.30 25.80 -40.11 | 338.51 27.82 -48.14 | 365.34 26.29 -78.60 | 309.49 22.33 -49.60 | 246.32 17.14 -27.48 | 151.38 9.38 -7.98 | 86.48 6.01 12.02 | 62.19 3.38 13.13 |
| PLATSBURG_115KV_PMLD1 355749 | 56.95 -2.19 0.00 | 54.95 -1.52 0.00 | 53.12 -1.31 0.00 | 48.41 -1.04 0.00 | 47.10 -1.06 0.00 | 50.43 -1.03 0.00 | 52.82 -1.19 0.00 | 55.86 -1.14 0.00 | 60.11 -1.10 0.00 | 62.62 -1.47 0.00 | 70.56 -2.48 0.00 | 82.07 -3.87 0.00 | 107.71 -5.31 0.00 | 131.94 -6.80 0.01 | 153.30 -7.48 1.94 | 163.02 -7.50 0.00 | 221.17 -9.22 0.00 | 252.31 -10.24 0.00 | 250.81 -9.64 0.00 | 229.49 -8.08 0.00 | 194.64 -7.06 0.00 | 129.46 -4.56 0.00 | 89.90 -2.59 0.00 | 70.71 -1.22 0.00 |
| PLEASANTVLY___LBMP 24000 | 62.33 3.19 0.00 | 59.19 2.71 0.00 | 56.82 2.39 0.00 | 51.62 2.18 0.00 | 50.42 2.26 0.00 | 53.67 2.21 0.00 | 56.55 2.54 0.00 | 60.19 3.19 0.00 | 64.45 3.24 0.00 | 67.55 3.46 0.00 | 77.64 4.60 0.00 | 91.69 5.76 0.00 | 121.50 8.48 0.00 | 153.25 11.52 -2.98 | 184.34 13.67 -7.96 | 214.30 14.84 -28.94 | 294.07 20.50 -43.18 | 336.81 22.58 -51.68 | 350.31 21.36 -68.51 | 308.34 18.06 -52.71 | 259.08 14.52 -42.85 | 164.95 8.44 -22.49 | 101.88 5.36 -4.02 | 75.46 3.52 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 62.98 3.84 0.00 | 59.81 3.33 0.00 | 57.31 2.88 0.00 | 52.06 2.62 0.00 | 50.85 2.70 0.00 | 54.14 2.68 0.00 | 57.14 3.13 0.00 | 60.99 3.99 0.00 | 65.31 4.10 0.00 | 68.45 4.36 0.00 | 78.59 5.55 0.00 | 93.07 7.13 0.00 | 123.42 10.40 0.00 | 155.39 14.01 -2.62 | 186.32 16.60 -7.00 | 215.46 18.08 -26.86 | 295.93 25.11 -40.43 | 338.64 27.57 -48.52 | 351.17 26.04 -64.68 | 309.62 22.09 -49.95 | 259.22 17.75 -39.76 | 165.10 10.19 -20.90 | 102.79 6.47 -3.83 | 76.17 4.24 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 62.98 3.84 0.00 | 59.81 3.33 0.00 | 57.31 2.88 0.00 | 52.06 2.62 0.00 | 50.85 2.70 0.00 | 54.14 2.68 0.00 | 57.14 3.13 0.00 | 60.99 3.99 0.00 | 65.31 4.10 0.00 | 68.45 4.36 0.00 | 78.59 5.55 0.00 | 93.07 7.13 0.00 | 123.42 10.40 0.00 | 155.39 14.01 -2.62 | 186.32 16.60 -7.00 | 215.46 18.08 -26.86 | 295.93 25.11 -40.43 | 338.64 27.57 -48.52 | 351.17 26.04 -64.68 | 309.62 22.09 -49.95 | 259.22 17.75 -39.76 | 165.10 10.19 -20.90 | 102.79 6.47 -3.83 | 76.17 4.24 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 62.93 3.79 0.00 | 59.69 3.22 0.00 | 57.26 2.83 0.00 | 51.97 2.52 0.00 | 50.76 2.60 0.00 | 54.09 2.62 0.00 | 56.98 2.97 0.00 | 60.65 3.65 0.00 | 65.01 3.80 0.00 | 68.13 4.04 0.00 | 78.37 5.33 0.00 | 92.73 6.79 0.00 | 122.86 9.83 0.00 | 154.40 13.18 -2.47 | 184.93 15.62 -6.59 | 214.56 17.05 -26.99 | 295.15 23.73 -41.03 | 338.21 26.26 -49.40 | 351.95 25.00 -66.51 | 311.74 21.62 -52.55 | 261.09 17.35 -42.03 | 167.69 10.32 -23.36 | 103.51 6.75 -4.27 | 76.46 4.53 0.00 |
| POLETTI____ 23519 | 63.34 4.20 0.00 | 60.20 3.73 0.00 | 57.70 3.27 0.00 | 52.36 2.92 0.00 | 51.24 3.08 0.00 | 54.45 2.98 0.00 | 57.58 3.56 0.00 | 61.56 4.56 0.00 | 65.74 4.53 0.00 | 69.03 4.94 0.00 | 79.03 5.99 0.00 | 93.67 7.73 0.00 | 124.44 11.42 0.00 | 156.75 15.40 -2.60 | 187.39 17.74 -6.93 | 216.77 19.61 -26.64 | 297.68 27.19 -40.11 | 340.37 29.67 -48.15 | 352.51 27.87 -64.20 | 310.93 23.76 -49.60 | 259.73 18.56 -39.47 | 164.95 10.19 -20.75 | 102.86 6.57 -3.80 | 76.10 4.17 0.00 |
| POMONA___ESR 323819 | 62.69 3.55 0.00 | 59.64 3.16 0.00 | 57.04 2.61 0.00 | 51.77 2.32 0.00 | 50.56 2.41 0.00 | 53.88 2.42 0.00 | 56.82 2.81 0.00 | 60.65 3.65 0.00 | 64.94 3.73 0.00 | 68.13 4.04 0.00 | 78.23 5.19 0.00 | 92.64 6.71 0.00 | 122.97 9.95 0.00 | 154.46 13.32 -2.39 | 185.21 16.11 -6.38 | 213.55 17.73 -25.29 | 292.84 24.18 -38.26 | 335.06 26.51 -46.00 | 346.97 25.01 -61.52 | 306.36 21.14 -47.66 | 255.96 16.73 -37.52 | 163.42 9.65 -19.75 | 102.45 6.29 -3.67 | 75.53 3.60 0.00 |
| PORT_JEFF_3 23555 | 63.81 4.67 0.00 | 61.33 4.86 0.00 | 57.97 3.54 0.00 | 52.36 2.92 0.00 | 51.10 2.94 0.00 | 54.50 3.04 0.00 | 57.36 3.35 0.00 | 61.50 4.50 0.00 | 65.13 3.92 0.00 | 67.25 3.20 0.05 | 78.01 4.97 0.00 | 93.50 7.56 0.00 | 125.42 11.86 -0.53 | 155.22 15.81 -0.66 | 245.65 18.87 -64.07 | 267.68 20.45 -76.70 | 300.25 26.71 -43.15 | 361.65 29.66 -69.43 | 346.87 28.14 -58.29 | 302.31 23.52 -41.22 | 251.64 16.73 -33.21 | 164.17 11.92 -18.23 | 103.67 6.84 -4.33 | 77.59 4.10 -1.56 |
| PORT_JEFF_4 23616 | 63.81 4.67 0.00 | 61.33 4.86 0.00 | 57.97 3.54 0.00 | 52.36 2.92 0.00 | 51.10 2.94 0.00 | 54.50 3.04 0.00 | 57.36 3.35 0.00 | 61.50 4.50 0.00 | 65.13 3.92 0.00 | 67.25 3.20 0.05 | 78.01 4.97 0.00 | 93.50 7.56 0.00 | 125.42 11.86 -0.53 | 155.22 15.81 -0.66 | 245.65 18.87 -64.07 | 267.68 20.45 -76.70 | 300.25 26.71 -43.15 | 361.65 29.66 -69.43 | 346.87 28.14 -58.29 | 302.31 23.52 -41.22 | 251.64 16.73 -33.21 | 164.17 11.92 -18.23 | 103.67 6.84 -4.33 | 77.59 4.10 -1.56 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|------------------------|
| PORT_JEFF_IC 23713 | 63.87 4.73 0.00 | 61.11 4.63 0.00 | 57.86 3.43 0.00 | 52.41 2.97 0.00 | 51.19 3.03 0.00 | 54.45 2.98 0.00 | 57.47 3.46 0.00 | 61.22 4.22 0.00 | 64.94 3.73 0.00 | 67.37 3.33 0.06 | 78.08 5.04 0.00 | 93.67 7.73 0.00 | 125.44 11.87 -0.54 | 155.65 16.23 -0.67 | 288.63 19.04 -106.88 | 300.25 20.46 -109.26 | 301.10 27.42 -43.30 | 374.32 30.46 -81.31 | 347.71 28.91 -58.35 | 302.83 23.99 -41.26 | 252.69 17.75 -33.24 | 164.31 12.06 -18.24 | 104.24 7.40 -4.35 | 78.80 5.25 -1.62 |
| PPL PILGRIM_ST_GT1 24216 | 64.35 5.21 0.00 | 61.84 5.37 0.00 | 58.46 4.03 0.00 | 52.81 3.36 0.00 | 51.58 3.42 0.00 | 55.01 3.55 0.00 | 57.95 3.94 0.00 | 62.07 5.07 0.00 | 65.62 4.41 0.00 | 67.69 3.65 0.06 | 78.92 5.85 -0.03 | 94.56 8.59 -0.03 | 126.33 12.66 -0.65 | 155.83 16.36 -0.72 | 187.15 19.84 -4.59 | 224.28 21.66 -32.10 | 303.11 28.80 -43.92 | 348.82 32.28 -53.99 | 349.80 30.72 -58.64 | 304.78 25.67 -41.54 | 253.50 18.35 -33.45 | 164.80 12.47 -18.32 | 104.92 7.96 -4.47 | 79.16 5.32 -1.90 |
| PPL PILGRIM_ST_GT2 24217 | 64.35 5.21 0.00 | 61.84 5.37 0.00 | 58.46 4.03 0.00 | 52.81 3.36 0.00 | 51.58 3.42 0.00 | 55.01 3.55 0.00 | 57.95 3.94 0.00 | 62.07 5.07 0.00 | 65.62 4.41 0.00 | 67.69 3.65 0.06 | 78.92 5.85 -0.03 | 94.56 8.59 -0.03 | 126.33 12.66 -0.65 | 155.83 16.36 -0.72 | 187.15 19.84 -4.59 | 224.28 21.66 -32.10 | 303.11 28.80 -43.92 | 348.82 32.28 -53.99 | 349.80 30.72 -58.64 | 304.78 25.67 -41.54 | 253.50 18.35 -33.45 | 164.80 12.47 -18.32 | 104.92 7.96 -4.47 | 79.16 5.32 -1.90 |
| PPL_SHRM_GT3 24213 | 63.46 4.31 0.00 | 60.88 4.41 0.00 | 57.53 3.10 0.00 | 51.91 2.47 0.00 | 50.66 2.50 0.00 | 54.03 2.57 0.00 | 56.82 2.81 0.00 | 60.99 3.99 0.00 | 64.64 3.43 0.00 | 66.86 2.82 0.05 | 78.01 4.97 0.00 | 94.01 8.08 0.00 | 126.22 12.66 -0.54 | 156.20 16.78 -0.66 | 254.98 19.84 -72.42 | 275.27 21.66 -83.08 | 298.72 25.12 -43.22 | 362.46 28.11 -71.80 | 345.34 26.58 -58.32 | 300.66 21.84 -41.24 | 252.47 17.54 -33.22 | 166.06 13.81 -18.23 | 104.24 7.40 -4.34 | 77.91 4.39 -1.59 |
| PPL_SHRM_GT4 24214 | 63.46 4.31 0.00 | 60.88 4.41 0.00 | 57.53 3.10 0.00 | 51.91 2.47 0.00 | 50.66 2.50 0.00 | 54.03 2.57 0.00 | 56.82 2.81 0.00 | 60.99 3.99 0.00 | 64.64 3.43 0.00 | 66.86 2.82 0.05 | 78.01 4.97 0.00 | 94.01 8.08 0.00 | 126.22 12.66 -0.54 | 156.20 16.78 -0.66 | 254.98 19.84 -72.42 | 275.27 21.66 -83.08 | 298.72 25.12 -43.22 | 362.46 28.11 -71.80 | 345.34 26.58 -58.32 | 300.66 21.84 -41.24 | 252.47 17.54 -33.22 | 166.06 13.81 -18.23 | 104.24 7.40 -4.34 | 77.91 4.39 -1.59 |
| PROJECT___ORANGE 1 24174 | 59.26 0.12 0.00 | 56.31 -0.17 0.00 | 54.16 -0.27 0.00 | 49.20 -0.25 0.00 | 47.82 -0.34 0.00 | 51.15 -0.31 0.00 | 53.90 -0.11 0.00 | 57.06 0.06 0.00 | 61.46 0.24 0.00 | 64.54 0.45 0.00 | 74.06 1.02 0.00 | 87.48 1.55 0.00 | 114.72 1.70 0.00 | 140.55 1.80 0.00 | 164.67 1.95 0.00 | 172.40 1.88 0.00 | 232.00 1.61 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.87 0.94 0.00 |
| PROJECT___ORANGE 2 24166 | 59.26 0.12 0.00 | 56.31 -0.17 0.00 | 54.16 -0.27 0.00 | 49.20 -0.25 0.00 | 47.82 -0.34 0.00 | 51.15 -0.31 0.00 | 53.90 -0.11 0.00 | 57.06 0.06 0.00 | 61.46 0.24 0.00 | 64.54 0.45 0.00 | 74.06 1.02 0.00 | 87.48 1.55 0.00 | 114.72 1.70 0.00 | 140.55 1.80 0.00 | 164.67 1.95 0.00 | 172.40 1.88 0.00 | 232.00 1.61 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.87 0.94 0.00 |
| PUCKETT___SOLAR 323809 | 61.27 2.13 0.00 | 58.17 1.69 0.00 | 55.90 1.47 0.00 | 50.83 1.38 0.00 | 49.41 1.25 0.00 | 52.90 1.44 0.00 | 55.79 1.78 0.00 | 58.94 1.94 0.00 | 63.29 2.08 0.00 | 66.14 2.05 0.00 | 75.88 2.85 0.00 | 89.71 3.78 0.00 | 117.55 4.53 0.00 | 143.74 4.99 0.00 | 168.25 5.54 0.00 | 182.90 5.62 -6.76 | 249.81 7.59 -11.83 | 286.81 9.44 -14.82 | 292.73 10.43 -21.86 | 268.59 11.17 -19.85 | 226.46 10.28 -14.48 | 150.19 7.37 -8.81 | 99.63 5.08 -2.05 | 75.09 3.16 0.00 |
| PYRITES___HYD 24023 | 59.08 -0.06 0.00 | 56.93 0.45 0.00 | 54.81 0.38 0.00 | 49.84 0.40 0.00 | 48.49 0.34 0.00 | 52.03 0.57 0.00 | 54.39 0.38 0.00 | 57.11 0.11 0.00 | 61.15 -0.06 0.00 | 63.13 -0.96 0.00 | 71.29 -1.75 0.00 | 82.50 -3.44 0.00 | 107.71 -5.31 0.00 | 130.28 -8.46 0.01 | 151.25 -9.93 1.54 | 160.12 -10.40 0.00 | 218.18 -12.21 0.00 | 249.95 -12.60 0.00 | 249.24 -11.20 0.00 | 228.78 -8.79 0.00 | 194.24 -7.46 0.00 | 129.86 -4.15 0.00 | 91.11 -1.39 0.00 | 71.50 -0.43 0.00 |
| QUAKERRD_115KV_BK1 80622 | 58.61 -0.53 0.00 | 55.80 -0.68 0.00 | 53.34 -1.09 0.00 | 48.60 -0.84 0.00 | 47.05 -1.11 0.00 | 50.33 -1.13 0.00 | 53.31 -0.70 0.00 | 56.09 -0.91 0.00 | 60.41 -0.80 0.00 | 63.77 -0.32 0.00 | 73.33 0.29 0.00 | 87.14 1.20 0.00 | 113.25 0.23 0.00 | 137.64 -1.11 0.00 | 160.44 -2.28 0.00 | 168.14 -2.39 0.00 | 224.17 -6.22 0.00 | 256.25 -6.30 0.00 | 254.45 -5.99 0.00 | 233.53 -4.04 0.00 | 199.49 -2.22 0.00 | 134.02 0.00 0.00 | 92.68 0.18 0.00 | 72.65 0.72 0.00 |
| QUENSBRY_115KV_TB8 356137 | 63.52 4.38 0.00 | 60.26 3.78 0.00 | 57.75 3.32 0.00 | 52.16 2.72 0.00 | 50.85 2.70 0.00 | 54.45 2.98 0.00 | 57.25 3.24 0.00 | 60.53 3.53 0.00 | 65.07 3.86 0.00 | 67.75 3.65 0.00 | 77.21 4.16 -0.01 | 91.18 5.24 0.00 | 120.71 7.69 0.00 | 158.79 9.85 -10.19 | 201.96 12.04 -27.21 | 291.72 13.30 -107.89 | 411.63 17.97 -163.27 | 480.10 21.27 -196.28 | 564.48 23.96 -280.08 | 552.36 22.09 -292.70 | 542.07 19.16 -321.20 | 353.56 12.60 -206.95 | 139.84 8.42 -38.93 | 77.61 5.68 0.00 |
| RAMAPO___LBMP 323565 | 62.39 3.25 0.00 | 59.24 2.77 0.00 | 56.82 2.39 0.00 | 51.57 2.13 0.00 | 50.42 2.26 0.00 | 53.62 2.16 0.00 | 56.60 2.59 0.00 | 60.36 3.36 0.00 | 64.70 3.49 0.00 | 67.81 3.72 0.00 | 77.86 4.82 0.00 | 92.12 6.19 0.00 | 122.18 9.15 0.00 | 153.58 12.49 -2.34 | 183.62 14.64 -6.25 | 211.53 16.03 -24.98 | 290.57 22.35 -37.84 | 332.47 24.42 -45.50 | 344.53 23.18 -60.90 | 304.25 19.48 -47.20 | 254.30 15.53 -37.06 | 162.24 8.71 -19.51 | 101.86 5.73 -3.63 | 75.53 3.60 0.00 |
| RANKINE____ 23646 | 59.67 0.53 0.00 | 56.76 0.28 0.00 | 53.94 -0.49 0.00 | 49.34 -0.10 0.00 | 47.63 -0.53 0.00 | 50.95 -0.51 0.00 | 54.44 0.43 0.00 | 56.66 -0.34 0.00 | 61.15 -0.06 0.00 | 64.41 0.32 0.00 | 74.35 1.31 0.00 | 88.94 3.01 0.00 | 114.49 1.47 0.00 | 137.64 -1.11 0.00 | 159.30 -3.42 0.00 | 169.41 -3.92 -2.81 | 224.24 -11.06 -4.91 | 257.15 -11.55 -6.15 | 258.96 -9.90 -8.42 | 236.54 -5.94 -4.91 | 199.08 -2.62 0.00 | 134.96 0.94 0.00 | 93.97 1.48 0.00 | 74.88 2.95 0.00 |
| RAVENSWOOD_GT2_1 24244 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.90 4.81 0.00 | 78.88 5.84 0.00 | 93.41 7.48 0.00 | 124.10 11.08 0.00 | 156.33 14.99 -2.60 | 187.06 17.41 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 352.25 27.61 -64.20 | 310.45 23.28 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.86 6.57 -3.80 | 76.10 4.17 0.00 |
| RAVENSWOOD_GT2_2 24245 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.90 4.81 0.00 | 78.88 5.84 0.00 | 93.41 7.48 0.00 | 124.10 11.08 0.00 | 156.33 14.99 -2.60 | 187.06 17.41 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 352.25 27.61 -64.20 | 310.45 23.28 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.86 6.57 -3.80 | 76.10 4.17 0.00 |

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|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-----------------------|
| RAVENSWOOD_GT2_3 24246 | 63.34 4.20 0.00 | 60.20 3.73 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.24 3.08 0.00 | 54.39 2.93 0.00 | 57.58 3.56 0.00 | 61.56 4.56 0.00 | 65.74 4.53 0.00 | 68.96 4.87 0.00 | 78.88 5.84 0.00 | 93.50 7.56 0.00 | 124.21 11.19 0.00 | 156.47 15.12 -2.60 | 187.22 17.57 -6.93 | 216.61 19.44 -26.64 | 297.46 26.96 -40.11 | 340.11 29.41 -48.15 | 352.51 27.87 -64.20 | 310.69 23.52 -49.60 | 259.73 18.56 -39.47 | 165.09 10.32 -20.75 | 102.96 6.66 -3.80 | 76.17 4.24 0.00 |
| RAVENSWOOD_GT2_4 24247 | 63.34 4.20 0.00 | 60.20 3.73 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.24 3.08 0.00 | 54.39 2.93 0.00 | 57.58 3.56 0.00 | 61.56 4.56 0.00 | 65.74 4.53 0.00 | 68.96 4.87 0.00 | 78.88 5.84 0.00 | 93.50 7.56 0.00 | 124.21 11.19 0.00 | 156.47 15.12 -2.60 | 187.22 17.57 -6.93 | 216.61 19.44 -26.64 | 297.46 26.96 -40.11 | 340.11 29.41 -48.15 | 352.51 27.87 -64.20 | 310.69 23.52 -49.60 | 259.73 18.56 -39.47 | 165.09 10.32 -20.75 | 102.96 6.66 -3.80 | 76.17 4.24 0.00 |
| RAVENSWOOD_GT3_1 24248 | 63.28 4.14 0.00 | 60.20 3.73 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.58 3.56 0.00 | 61.50 4.50 0.00 | 65.74 4.53 0.00 | 68.96 4.87 0.00 | 78.88 5.84 0.00 | 93.41 7.48 0.00 | 124.10 11.08 0.00 | 156.33 14.99 -2.60 | 187.06 17.41 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 352.25 27.61 -64.20 | 310.45 23.28 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.86 6.57 -3.80 | 76.10 4.17 0.00 |
| RAVENSWOOD_GT3_2 24249 | 63.28 4.14 0.00 | 60.20 3.73 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.58 3.56 0.00 | 61.50 4.50 0.00 | 65.74 4.53 0.00 | 68.96 4.87 0.00 | 78.88 5.84 0.00 | 93.41 7.48 0.00 | 124.10 11.08 0.00 | 156.33 14.99 -2.60 | 187.06 17.41 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 352.25 27.61 -64.20 | 310.45 23.28 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.86 6.57 -3.80 | 76.10 4.17 0.00 |
| RAVENSWOOD_GT3_3 24250 | 63.40 4.26 0.00 | 60.26 3.78 0.00 | 57.75 3.32 0.00 | 52.46 3.02 0.00 | 51.29 3.13 0.00 | 54.50 3.04 0.00 | 57.63 3.62 0.00 | 61.62 4.62 0.00 | 65.86 4.65 0.00 | 69.09 5.00 0.00 | 79.03 5.99 0.00 | 93.67 7.73 0.00 | 124.44 11.42 0.00 | 156.75 15.40 -2.60 | 187.55 17.90 -6.93 | 216.95 19.78 -26.64 | 297.92 27.42 -40.11 | 340.63 29.93 -48.15 | 353.03 28.39 -64.20 | 311.17 23.99 -49.60 | 260.13 18.96 -39.47 | 165.35 10.59 -20.75 | 103.05 6.75 -3.80 | 76.32 4.39 0.00 |
| RAVENSWOOD_GT3_4 24251 | 63.40 4.26 0.00 | 60.26 3.78 0.00 | 57.75 3.32 0.00 | 52.46 3.02 0.00 | 51.29 3.13 0.00 | 54.50 3.04 0.00 | 57.63 3.62 0.00 | 61.62 4.62 0.00 | 65.86 4.65 0.00 | 69.09 5.00 0.00 | 79.03 5.99 0.00 | 93.67 7.73 0.00 | 124.44 11.42 0.00 | 156.75 15.40 -2.60 | 187.55 17.90 -6.93 | 216.95 19.78 -26.64 | 297.92 27.42 -40.11 | 340.63 29.93 -48.15 | 353.03 28.39 -64.20 | 311.17 23.99 -49.60 | 260.13 18.96 -39.47 | 165.35 10.59 -20.75 | 103.05 6.75 -3.80 | 76.32 4.39 0.00 |
| RAVENSWOOD_GT_1 23729 | 63.40 4.26 0.00 | 60.37 3.90 0.00 | 57.80 3.37 0.00 | 52.56 3.11 0.00 | 51.43 3.27 0.00 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.79 4.79 0.00 | 65.98 4.77 0.00 | 69.09 5.00 0.00 | 74.97 5.70 3.77 | 79.76 7.39 13.56 | 119.34 10.96 4.65 | 112.41 15.12 41.47 | 187.06 17.41 -6.93 | 216.44 19.27 -26.65 | 297.46 26.96 -40.12 | 339.85 29.14 -48.15 | 277.65 27.35 10.14 | 309.98 22.81 -49.60 | 259.13 17.95 -39.47 | 164.54 9.78 -20.74 | 101.94 6.20 -3.25 | 75.63 3.96 0.26 |
| RAVENSWOOD_GT_10 24258 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 78.30 5.84 0.58 | 91.33 7.48 2.08 | 123.39 11.08 0.71 | 149.58 14.99 4.16 | 187.22 17.57 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 340.91 27.61 -52.86 | 310.69 23.52 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.81 6.57 -3.75 | 76.15 4.24 0.02 |
| RAVENSWOOD_GT_11 24259 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 78.30 5.84 0.58 | 91.33 7.48 2.08 | 123.39 11.08 0.71 | 149.58 14.99 4.16 | 187.22 17.57 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 340.91 27.61 -52.86 | 310.69 23.52 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.81 6.57 -3.75 | 76.15 4.24 0.02 |
| RAVENSWOOD_GT_4 24252 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 79.62 5.92 -0.67 | 95.89 7.56 -2.40 | 125.04 11.19 -0.82 | 164.25 15.12 -10.38 | 187.22 17.57 -6.93 | 216.60 19.44 -26.64 | 297.46 26.96 -40.12 | 340.11 29.41 -48.15 | 363.76 27.87 -75.45 | 310.93 23.76 -49.60 | 259.73 18.56 -39.47 | 165.08 10.32 -20.74 | 102.53 6.66 -3.37 | 76.05 4.32 0.20 |
| RAVENSWOOD_GT_5 24254 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 79.62 5.92 -0.67 | 95.89 7.56 -2.40 | 125.04 11.19 -0.82 | 164.25 15.12 -10.38 | 187.22 17.57 -6.93 | 216.60 19.44 -26.64 | 297.46 26.96 -40.12 | 340.11 29.41 -48.15 | 363.76 27.87 -75.45 | 310.93 23.76 -49.60 | 259.73 18.56 -39.47 | 165.08 10.32 -20.74 | 102.53 6.66 -3.37 | 76.05 4.32 0.20 |
| RAVENSWOOD_GT_6 24253 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 79.62 5.92 -0.67 | 95.89 7.56 -2.40 | 125.04 11.19 -0.82 | 164.25 15.12 -10.38 | 187.22 17.57 -6.93 | 216.60 19.44 -26.64 | 297.46 26.96 -40.12 | 340.11 29.41 -48.15 | 363.76 27.87 -75.45 | 310.93 23.76 -49.60 | 259.73 18.56 -39.47 | 165.08 10.32 -20.74 | 102.53 6.66 -3.37 | 76.05 4.32 0.20 |
| RAVENSWOOD_GT_7 24255 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 79.62 5.92 -0.67 | 95.89 7.56 -2.40 | 125.04 11.19 -0.82 | 164.25 15.12 -10.38 | 187.22 17.57 -6.93 | 216.60 19.44 -26.64 | 297.46 26.96 -40.12 | 340.11 29.41 -48.15 | 363.76 27.87 -75.45 | 310.93 23.76 -49.60 | 259.73 18.56 -39.47 | 165.08 10.32 -20.74 | 102.53 6.66 -3.37 | 76.05 4.32 0.20 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 78.30 5.84 0.58 | 91.33 7.48 2.08 | 123.39 11.08 0.71 | 149.58 14.99 4.16 | 187.22 17.57 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 340.91 27.61 -52.86 | 310.69 23.52 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.81 6.57 -3.75 | 76.15 4.24 0.02 |
| RAVENSWOOD_GT_9 24257 | 63.28 4.14 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.03 0.00 | 54.39 2.93 0.00 | 57.52 3.51 0.00 | 61.50 4.50 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 78.30 5.84 0.58 | 91.33 7.48 2.08 | 123.39 11.08 0.71 | 149.58 14.99 4.16 | 187.22 17.57 -6.93 | 216.44 19.27 -26.64 | 297.23 26.72 -40.11 | 339.85 29.14 -48.15 | 340.91 27.61 -52.86 | 310.69 23.52 -49.60 | 259.53 18.36 -39.47 | 164.95 10.19 -20.75 | 102.81 6.57 -3.75 | 76.15 4.24 0.02 |

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|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|------------------------|
| RAVENSWOOD___1 23533 | 63.34 4.20 0.00 | 60.49 4.01 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.38 3.23 0.00 | 54.50 3.04 0.00 | 57.73 3.72 0.00 | 61.79 4.79 0.00 | 65.92 4.71 0.00 | 69.03 4.94 0.00 | 76.23 5.70 2.51 | 84.30 7.39 9.03 | 121.01 11.08 3.09 | 127.14 15.13 26.74 | 187.23 17.58 -6.93 | 217.11 19.94 -26.64 | 297.21 26.71 -40.11 | 339.59 28.88 -48.15 | 303.77 27.34 -15.99 | 309.98 22.81 -49.60 | 258.93 17.75 -39.47 | 164.41 9.65 -20.74 | 101.71 6.20 -3.02 | 75.09 3.52 0.36 |
| RAVENSWOOD___2 23534 | 63.22 4.08 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.41 2.97 0.00 | 51.29 3.13 0.00 | 54.39 2.93 0.00 | 57.57 3.56 0.00 | 61.61 4.61 0.00 | 65.74 4.53 0.00 | 68.58 4.48 0.00 | 75.60 5.04 2.47 | 83.56 6.53 8.91 | 120.03 10.06 3.05 | 126.28 13.87 26.34 | 185.76 16.11 -6.93 | 216.09 18.93 -26.64 | 295.17 24.66 -40.11 | 336.96 26.25 -48.15 | 302.15 25.01 -16.70 | 307.83 20.66 -49.60 | 257.10 15.93 -39.47 | 163.34 8.58 -20.74 | 100.87 5.36 -3.02 | 74.44 2.88 0.37 |
| RAVENSWOOD___3 23535 | 63.28 4.14 0.00 | 60.32 3.84 0.00 | 57.64 3.21 0.00 | 52.36 2.92 0.00 | 51.19 3.04 0.00 | 54.44 2.98 0.00 | 57.57 3.56 0.00 | 61.56 4.56 0.00 | 65.68 4.47 0.00 | 68.96 4.87 0.00 | 78.88 5.85 0.00 | 93.41 7.47 0.00 | 124.22 11.19 0.00 | 156.34 14.99 -2.60 | 187.55 17.90 -6.93 | 217.11 19.94 -26.64 | 297.21 26.71 -40.11 | 339.84 29.14 -48.15 | 352.24 27.59 -64.20 | 310.70 23.52 -49.60 | 259.53 18.35 -39.47 | 165.09 10.32 -20.75 | 102.86 6.57 -3.80 | 75.74 3.81 0.00 |
| RAVENSWOOD___4 23820 | 63.34 4.20 0.00 | 60.43 3.95 0.00 | 57.75 3.32 0.00 | 52.51 3.07 0.00 | 51.33 3.18 0.00 | 54.50 3.04 0.00 | 57.69 3.67 0.00 | 61.73 4.73 0.00 | 65.86 4.65 0.00 | 68.96 4.87 0.00 | 77.43 5.62 1.23 | 88.80 7.30 4.43 | 122.47 10.96 1.52 | 141.93 14.99 11.81 | 187.07 17.42 -6.93 | 217.11 19.94 -26.64 | 296.98 26.48 -40.11 | 339.33 28.62 -48.15 | 330.02 27.09 -42.49 | 309.75 22.58 -49.60 | 258.71 17.54 -39.47 | 164.41 9.65 -20.74 | 101.39 6.10 -2.79 | 74.91 3.45 0.47 |
| RCPL_TRUST___DRP 24196 | 63.40 4.26 0.00 | 60.26 3.78 0.00 | 57.70 3.27 0.00 | 52.41 2.97 0.00 | 51.29 3.13 0.00 | 54.50 3.04 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.93 7.99 0.00 | 124.78 11.75 0.00 | 157.16 15.82 -2.60 | 188.20 18.55 -6.93 | 217.63 20.46 -26.64 | 298.60 28.11 -40.11 | 341.41 30.72 -48.14 | 353.55 28.91 -64.19 | 311.87 24.71 -49.59 | 260.53 19.36 -39.46 | 165.48 10.72 -20.75 | 103.14 6.84 -3.80 | 76.39 4.46 0.00 |
| RED___ROCHESTER 323720 | 60.44 1.30 0.00 | 57.49 1.02 0.00 | 54.86 0.43 0.00 | 49.99 0.54 0.00 | 48.35 0.19 0.00 | 51.67 0.21 0.00 | 54.87 0.86 0.00 | 57.57 0.57 0.00 | 62.13 0.92 0.00 | 65.70 1.60 0.00 | 75.66 2.63 0.00 | 90.06 4.12 0.00 | 116.53 3.51 0.00 | 141.52 2.77 0.00 | 164.51 1.79 0.00 | 171.73 1.20 0.00 | 229.70 -0.69 0.00 | 262.82 0.26 0.00 | 260.44 0.00 0.00 | 239.46 0.00 0.00 | 204.92 0.00 0.00 | 137.91 3.22 0.00 | 95.64 3.89 0.00 | 74.23 2.30 0.00 |
| REGAN___SOLAR 323812 | 65.11 5.97 0.00 | 61.90 5.42 0.00 | 59.33 4.90 0.00 | 53.70 4.25 0.00 | 52.35 4.19 0.00 | 56.09 4.63 0.00 | 58.82 4.81 0.00 | 61.84 4.84 0.00 | 66.11 4.90 0.00 | 68.58 4.48 0.00 | 78.59 5.55 -0.01 | 92.64 6.71 0.00 | 122.40 9.38 0.00 | 155.91 11.66 -5.50 | 191.41 14.00 -14.70 | 274.12 16.02 -87.57 | 391.73 21.90 -139.45 | 458.78 26.00 -170.23 | 540.94 28.14 -252.36 | 541.38 27.31 -276.50 | 520.33 23.99 -294.64 | 336.66 15.81 -186.83 | 141.60 10.91 -38.20 | 79.19 7.26 0.00 |
| RENSSELAER___COGEN 23796 | 60.62 1.48 0.00 | 57.72 1.24 0.00 | 55.52 1.09 0.00 | 50.38 0.94 0.00 | 49.12 0.96 0.00 | 52.39 0.93 0.00 | 54.87 0.86 0.00 | 58.03 1.03 0.00 | 62.19 0.98 0.00 | 65.12 1.02 0.00 | 74.31 1.32 0.04 | 87.57 1.63 0.00 | 115.85 2.83 0.00 | 96.37 4.03 46.41 | 44.12 5.36 123.96 | 28.22 5.97 148.27 | 95.13 7.84 143.10 | 129.54 8.65 141.66 | 171.70 7.81 96.55 | 271.23 6.42 -27.24 | 114.54 5.24 92.40 | 68.43 3.21 68.80 | 111.78 1.85 -17.44 | 73.08 1.15 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 67.01 7.87 0.00 | 63.54 7.06 0.00 | 60.58 6.15 0.00 | 54.59 5.14 0.00 | 53.12 4.96 0.00 | 57.02 5.56 0.00 | 59.90 5.89 0.00 | 63.33 6.33 0.00 | 68.19 6.98 0.00 | 70.76 6.67 0.00 | 80.79 7.74 -0.01 | 95.73 9.80 0.00 | 126.81 13.79 0.00 | 166.53 17.34 -10.43 | 211.58 20.99 -27.87 | 301.84 22.68 -108.64 | 424.98 30.64 -163.95 | 495.97 36.49 -196.93 | 581.18 40.37 -280.37 | 567.23 37.54 -292.12 | 555.27 32.47 -321.09 | 362.66 21.58 -207.06 | 145.86 14.61 -38.75 | 82.15 10.21 0.00 |
| REVERE_CPPR_DRP 24186 | 61.68 2.54 0.00 | 58.57 2.09 0.00 | 56.33 1.91 0.00 | 51.03 1.58 0.00 | 49.65 1.49 0.00 | 53.26 1.80 0.00 | 56.01 2.00 0.00 | 59.22 2.22 0.00 | 63.66 2.45 0.00 | 66.46 2.37 0.00 | 76.33 3.29 0.00 | 90.15 4.21 0.00 | 118.56 5.54 0.00 | 145.55 6.80 0.00 | 170.40 7.48 -0.20 | 241.45 11.06 0.00 | 275.68 13.13 0.00 | 274.25 13.80 0.00 | 250.88 13.30 0.00 | 213.20 11.50 0.00 | 141.66 7.64 0.00 | 97.95 5.46 0.00 | 75.67 3.74 0.00 | |
| REYNLDPA_13_KV_LD 356490 | 58.25 -0.89 0.00 | 56.08 -0.40 0.00 | 54.10 -0.33 0.00 | 49.20 -0.25 0.00 | 47.87 -0.29 0.00 | 51.25 -0.21 0.00 | 53.58 -0.43 0.00 | 56.43 -0.57 0.00 | 60.60 -0.61 0.00 | 63.20 -0.90 0.00 | 71.43 -1.61 0.00 | 83.10 -2.84 0.00 | 108.96 -4.07 0.00 | 133.33 -5.41 0.01 | 154.60 -6.18 1.93 | 164.04 -6.48 0.00 | 222.32 -8.06 0.00 | 253.63 -8.93 0.00 | 251.59 -8.86 0.00 | 229.49 -8.08 0.00 | 194.64 -7.06 0.00 | 129.59 -4.42 0.00 | 89.90 -2.59 0.00 | 70.64 -1.29 0.00 |
| REYNOLDS_115KV_TB3 80639 | 61.21 2.07 0.00 | 58.17 1.69 0.00 | 56.01 1.58 0.00 | 50.83 1.38 0.00 | 49.55 1.40 0.00 | 52.85 1.39 0.00 | 55.41 1.40 0.00 | 58.59 1.60 0.00 | 62.86 1.65 0.00 | 65.82 1.73 0.00 | 75.41 2.34 -0.03 | 88.77 2.84 0.00 | 117.32 4.29 0.00 | 174.66 5.83 -30.08 | 250.39 7.32 -80.35 | 346.01 8.01 -167.47 | 458.85 10.83 -217.63 | 522.62 11.81 -248.26 | 575.66 10.94 -304.27 | 494.47 9.27 -247.63 | 522.99 8.07 -313.22 | 354.54 4.96 -215.57 | 120.51 3.14 -24.87 | 74.16 2.23 0.00 |
| RIVERBAY____ 323610 | 64.41 5.26 -0.01 | 61.34 4.86 -0.01 | 58.74 4.30 -0.01 | 53.46 4.00 -0.01 | 52.26 4.09 -0.01 | 55.32 3.86 0.00 | 58.55 4.54 0.00 | 62.53 5.53 0.00 | 66.66 5.45 0.00 | 69.86 5.77 0.00 | 79.45 6.79 0.38 | 93.06 8.51 1.38 | 124.99 12.43 0.47 | 153.93 17.07 1.89 | 189.51 19.85 -6.94 | 219.00 21.83 -26.65 | 300.92 30.41 -40.12 | 343.53 32.82 -48.16 | 347.10 31.25 -55.40 | 313.79 26.61 -49.61 | 262.16 20.98 -39.48 | 166.70 11.93 -20.76 | 104.07 7.77 -3.81 | 77.12 5.18 -0.01 |
| RIVERSDE_115KV_TB3 55908 | 61.15 2.01 0.00 | 58.06 1.58 0.00 | 55.90 1.47 0.00 | 50.73 1.29 0.00 | 49.46 1.30 0.00 | 52.75 1.29 0.00 | 55.31 1.30 0.00 | 58.48 1.48 0.00 | 62.74 1.53 0.00 | 65.70 1.60 0.00 | 75.10 2.05 -0.01 | 88.43 2.49 0.00 | 116.98 3.96 0.00 | 156.67 5.55 -12.37 | 202.60 6.83 -33.05 | 273.74 7.67 -95.55 | 376.70 10.14 -136.18 | 434.41 11.29 -160.56 | 486.25 10.16 -215.65 | 448.29 8.79 -201.93 | 434.36 7.46 -225.19 | 291.23 4.56 -152.65 | 119.33 2.87 -23.97 | 74.02 2.09 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 57.90 -1.24 0.00 | 55.35 -1.13 0.00 | 53.34 -1.09 0.00 | 48.46 -0.99 0.00 | 47.19 -0.96 0.00 | 50.48 -0.98 0.00 | 53.04 -0.97 0.00 | 56.15 -0.85 0.00 | 60.41 -0.80 0.00 | 63.33 -0.77 0.00 | 72.02 -1.02 0.00 | 84.30 -1.64 0.00 | 110.65 -2.38 0.00 | 135.54 -3.19 0.02 | 153.08 -3.91 5.73 | 166.43 -4.09 0.00 | 225.32 -5.07 0.00 | 257.03 -5.53 0.00 | 255.49 -4.96 0.00 | 233.30 -4.27 0.00 | 198.08 -3.62 0.00 | 131.47 -2.55 0.00 | 90.83 -1.66 0.00 | 70.92 -1.01 0.00 |

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| ROCHESRG_115KV_T4 355643 | 59.61 0.47 0.00 | 56.81 0.34 0.00 | 54.21 -0.22 0.00 | 49.44 0.00 0.00 | 47.82 -0.34 0.00 | 51.15 -0.31 0.00 | 54.28 0.27 0.00 | 56.94 -0.06 0.00 | 61.33 0.12 0.00 | 64.73 0.64 0.00 | 74.43 1.39 0.00 | 88.60 2.66 0.00 | 114.83 1.81 0.00 | 139.17 0.42 0.00 | 162.07 -0.65 0.00 | 169.67 -0.85 0.00 | 225.55 -4.84 0.00 | 258.09 -4.46 0.00 | 256.28 -4.17 0.00 | 235.67 -1.90 0.00 | 201.50 -0.20 0.00 | 135.76 1.74 0.00 | 94.07 1.57 0.00 | 74.09 2.16 0.00 |
| ROCHESTER_9_IC 23652 | 60.09 0.95 0.00 | 57.15 0.68 0.00 | 54.59 0.16 0.00 | 49.74 0.30 0.00 | 48.11 -0.05 0.00 | 51.46 0.00 0.00 | 54.60 0.59 0.00 | 57.28 0.28 0.00 | 61.76 0.55 0.00 | 65.25 1.15 0.00 | 75.08 2.05 0.00 | 89.37 3.44 0.00 | 115.85 2.83 0.00 | 140.55 1.80 0.00 | 163.53 0.81 0.00 | 171.38 0.85 0.00 | 227.85 -2.53 0.00 | 260.45 -2.10 0.00 | 258.88 -1.56 0.00 | 237.81 0.24 0.00 | 203.32 1.61 0.00 | 136.97 2.95 0.00 | 94.90 2.40 0.00 | 74.66 2.73 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 63.34 4.20 0.00 | 60.15 3.67 0.00 | 57.64 3.21 0.00 | 52.31 2.87 0.00 | 51.14 2.99 0.00 | 54.39 2.93 0.00 | 57.47 3.46 0.00 | 61.39 4.39 0.00 | 65.74 4.53 0.00 | 68.96 4.87 0.00 | 79.17 6.14 0.00 | 93.76 7.82 0.00 | 124.44 11.42 0.00 | 156.61 15.26 -2.60 | 187.71 18.06 -6.93 | 216.95 19.78 -26.64 | 297.92 27.42 -40.11 | 340.63 29.93 -48.15 | 353.29 28.65 -64.20 | 311.64 24.47 -49.60 | 260.54 19.36 -39.47 | 166.02 11.26 -20.75 | 103.42 7.12 -3.80 | 76.61 4.68 0.00 |
| ROME____115KV_TB2 80656 | 61.68 2.54 0.00 | 58.57 2.09 0.00 | 56.33 1.91 0.00 | 51.03 1.58 0.00 | 49.65 1.49 0.00 | 53.26 1.80 0.00 | 56.01 2.00 0.00 | 59.22 2.22 0.00 | 63.66 2.45 0.00 | 66.46 2.37 0.00 | 76.33 3.29 0.00 | 90.15 4.21 0.00 | 118.56 5.54 0.00 | 145.55 6.80 0.00 | 170.40 7.48 -0.20 | 178.20 7.67 0.00 | 241.45 11.06 0.00 | 275.68 13.13 0.00 | 274.25 13.80 0.00 | 250.88 13.30 0.00 | 213.20 11.50 0.00 | 141.66 7.64 0.00 | 97.95 5.46 0.00 | 75.67 3.74 0.00 |
| ROSETON___1 23587 | 62.16 3.01 0.00 | 59.19 2.71 0.00 | 56.72 2.29 0.00 | 51.47 2.03 0.00 | 50.27 2.12 0.00 | 53.57 2.11 0.00 | 56.38 2.37 0.00 | 60.07 3.08 0.00 | 64.33 3.12 0.00 | 67.42 3.33 0.00 | 77.42 4.38 0.00 | 91.44 5.50 0.00 | 121.27 8.25 0.00 | 152.17 11.10 -2.31 | 182.24 13.35 -6.17 | 210.34 14.49 -25.33 | 288.73 19.82 -38.53 | 330.48 21.53 -46.39 | 343.23 20.57 -62.22 | 303.06 17.33 -48.16 | 252.88 13.91 -37.27 | 157.57 8.04 -15.51 | 101.28 5.18 -3.61 | 74.95 3.02 0.00 |
| ROSETON___2 23588 | 62.16 3.01 0.00 | 59.19 2.71 0.00 | 56.72 2.29 0.00 | 51.47 2.03 0.00 | 50.27 2.12 0.00 | 53.57 2.11 0.00 | 56.38 2.37 0.00 | 60.07 3.08 0.00 | 64.33 3.12 0.00 | 67.42 3.33 0.00 | 77.42 4.38 0.00 | 91.44 5.50 0.00 | 121.27 8.25 0.00 | 152.17 11.10 -2.31 | 182.24 13.35 -6.17 | 210.34 14.49 -25.33 | 288.73 19.82 -38.53 | 330.48 21.53 -46.39 | 343.23 20.57 -62.22 | 303.06 17.33 -48.16 | 252.88 13.91 -37.27 | 157.57 8.04 -15.51 | 101.28 5.18 -3.61 | 74.95 3.02 0.00 |
| ROTRDAM_115KV_TB3 80664 | 61.51 2.37 0.00 | 58.51 2.03 0.00 | 56.33 1.91 0.00 | 51.12 1.68 0.00 | 49.84 1.69 0.00 | 53.21 1.75 0.00 | 55.79 1.78 0.00 | 58.99 1.99 0.00 | 63.23 2.02 0.00 | 66.08 1.99 0.00 | 75.67 2.63 -0.01 | 89.20 3.27 0.00 | 117.77 4.75 0.00 | 151.02 6.24 -6.03 | 186.31 7.48 -16.11 | 274.03 8.01 -95.50 | 393.44 11.06 -152.00 | 460.68 12.60 -185.52 | 548.38 12.76 -275.17 | 551.50 11.64 -302.28 | 534.85 10.09 -323.06 | 345.41 6.43 -204.96 | 138.63 4.25 -41.88 | 74.88 2.95 0.00 |
| RUSSELL___1 23602 | 60.44 1.30 0.00 | 57.49 1.02 0.00 | 54.86 0.44 0.00 | 49.99 0.54 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.87 0.86 0.00 | 57.63 0.63 0.00 | 62.13 0.92 0.00 | 65.70 1.60 0.00 | 75.67 2.63 0.00 | 90.06 4.12 0.00 | 116.75 3.73 0.00 | 141.53 2.78 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 229.70 -0.69 0.00 | 262.55 0.00 0.00 | 260.96 0.52 0.00 | 239.71 2.14 0.00 | 204.93 3.23 0.00 | 137.90 3.89 0.00 | 95.55 3.05 0.00 | 75.17 3.24 0.00 |
| RUSSELL___2 23532 | 60.44 1.30 0.00 | 57.49 1.02 0.00 | 54.86 0.44 0.00 | 49.99 0.54 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.87 0.86 0.00 | 57.63 0.63 0.00 | 62.13 0.92 0.00 | 65.70 1.60 0.00 | 75.67 2.63 0.00 | 90.06 4.12 0.00 | 116.75 3.73 0.00 | 141.53 2.78 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 229.70 -0.69 0.00 | 262.55 0.00 0.00 | 260.96 0.52 0.00 | 239.71 2.14 0.00 | 204.93 3.23 0.00 | 137.90 3.89 0.00 | 95.55 3.05 0.00 | 75.17 3.24 0.00 |
| RUSSELL___3 23549 | 60.44 1.30 0.00 | 57.49 1.02 0.00 | 54.86 0.44 0.00 | 49.99 0.54 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.87 0.86 0.00 | 57.63 0.63 0.00 | 62.13 0.92 0.00 | 65.70 1.60 0.00 | 75.67 2.63 0.00 | 90.06 4.12 0.00 | 116.75 3.73 0.00 | 141.53 2.78 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 229.70 -0.69 0.00 | 262.55 0.00 0.00 | 260.96 0.52 0.00 | 239.71 2.14 0.00 | 204.93 3.23 0.00 | 137.90 3.89 0.00 | 95.55 3.05 0.00 | 75.17 3.24 0.00 |
| RUSSELL___4 23556 | 60.44 1.30 0.00 | 57.49 1.02 0.00 | 54.86 0.44 0.00 | 49.99 0.54 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.87 0.86 0.00 | 57.63 0.63 0.00 | 62.13 0.92 0.00 | 65.70 1.60 0.00 | 75.67 2.63 0.00 | 90.06 4.12 0.00 | 116.75 3.73 0.00 | 141.53 2.78 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 229.70 -0.69 0.00 | 262.55 0.00 0.00 | 260.96 0.52 0.00 | 239.71 2.14 0.00 | 204.93 3.23 0.00 | 137.90 3.89 0.00 | 95.55 3.05 0.00 | 75.17 3.24 0.00 |
| RUSSELL___STATION 23914 | 60.44 1.30 0.00 | 57.49 1.02 0.00 | 54.86 0.44 0.00 | 49.99 0.54 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.87 0.86 0.00 | 57.63 0.63 0.00 | 62.13 0.92 0.00 | 65.70 1.60 0.00 | 75.67 2.63 0.00 | 90.06 4.12 0.00 | 116.75 3.73 0.00 | 141.53 2.78 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 229.70 -0.69 0.00 | 262.55 0.00 0.00 | 260.96 0.52 0.00 | 239.71 2.14 0.00 | 204.93 3.23 0.00 | 137.90 3.89 0.00 | 95.55 3.05 0.00 | 75.17 3.24 0.00 |
| S SALMON___HYD 24043 | 59.14 0.00 0.00 | 56.25 -0.22 0.00 | 54.05 -0.38 0.00 | 49.05 -0.40 0.00 | 47.72 -0.43 0.00 | 51.10 -0.36 0.00 | 53.80 -0.22 0.00 | 56.83 -0.17 0.00 | 61.03 -0.18 0.00 | 63.84 -0.26 0.00 | 73.11 0.07 0.00 | 86.28 0.35 0.00 | 113.14 0.11 0.00 | 137.64 -1.11 0.00 | 161.09 -1.63 0.00 | 168.99 -1.54 0.00 | 228.79 -1.60 0.00 | 261.25 -1.31 0.00 | 260.18 -0.26 0.00 | 238.77 1.19 0.00 | 203.13 1.42 0.00 | 136.03 2.01 0.00 | 93.69 1.20 0.00 | 72.37 0.43 0.00 |
| S.PERRY__115KV_TB1 80734 | 60.15 1.01 0.00 | 57.04 0.56 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 48.06 -0.10 0.00 | 51.51 0.05 0.00 | 54.71 0.70 0.00 | 57.28 0.28 0.00 | 61.15 -0.06 0.00 | 64.09 0.00 0.00 | 73.55 0.51 0.00 | 87.31 1.37 0.00 | 113.02 0.00 0.00 | 132.51 -6.24 0.00 | 154.42 -8.30 0.00 | 165.10 -8.36 -2.93 | 221.69 -13.82 -5.12 | 255.32 -13.65 -6.42 | 259.85 -9.38 -8.78 | 239.37 -3.33 -5.12 | 201.50 -0.20 0.00 | 135.89 1.88 0.00 | 96.56 4.07 0.00 | 75.67 3.74 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 59.32 0.18 0.00 | 56.53 0.06 0.00 | 53.72 -0.71 0.00 | 49.20 -0.25 0.00 | 47.39 -0.77 0.00 | 50.69 -0.77 0.00 | 54.12 0.11 0.00 | 56.20 -0.80 0.00 | 60.66 -0.55 0.00 | 63.90 -0.19 0.00 | 73.62 0.58 0.00 | 88.08 2.15 0.00 | 113.36 0.34 0.00 | 136.11 -2.64 0.00 | 157.67 -5.04 0.00 | 167.23 -5.97 -2.67 | 221.01 -14.05 -4.67 | 253.71 -14.70 -5.86 | 254.91 -13.54 -8.01 | 233.22 -9.03 -4.67 | 196.46 -5.24 0.00 | 133.48 -0.54 0.00 | 92.96 0.46 0.00 | 74.30 2.37 0.00 |

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| SAWYER___23_KV_LOAD 55526 | 59.32 0.18 0.00 | 56.53 0.06 0.00 | 53.72 -0.71 0.00 | 49.20 -0.25 0.00 | 47.39 -0.77 0.00 | 50.69 -0.77 0.00 | 54.12 0.11 0.00 | 56.20 -0.80 0.00 | 60.66 -0.55 0.00 | 63.90 -0.19 0.00 | 73.62 0.58 0.00 | 88.08 2.15 0.00 | 113.36 0.34 0.00 | 136.11 -2.64 0.00 | 157.67 -5.04 0.00 | 167.23 -5.97 -2.67 | 221.01 -14.05 -4.67 | 253.71 -14.70 -5.86 | 254.91 -13.54 -8.01 | 233.22 -9.03 -4.67 | 196.46 -5.24 0.00 | 133.48 -0.54 0.00 | 92.96 0.46 0.00 | 74.30 2.37 0.00 |
| SELKIRK___I 23801 | 60.03 0.89 0.00 | 57.16 0.68 0.00 | 55.08 0.66 0.00 | 49.94 0.49 0.00 | 48.69 0.53 0.00 | 51.92 0.46 0.00 | 54.28 0.27 0.00 | 57.17 0.17 0.00 | 61.21 0.00 0.00 | 63.96 -0.13 0.00 | 73.09 0.07 0.02 | 84.49 0.09 1.54 | 104.42 0.68 9.29 | 107.74 1.39 32.40 | 99.06 1.96 65.62 | 106.82 2.39 66.09 | 159.82 3.22 73.79 | 224.52 3.67 41.71 | 259.38 3.64 4.70 | 296.89 3.32 -56.00 | 193.29 3.03 11.44 | 123.57 1.88 12.32 | 99.76 1.02 -6.25 | 72.44 0.51 0.00 |
| SELKIRK___II 23799 | 60.32 1.18 0.00 | 57.43 0.96 0.00 | 55.30 0.87 0.00 | 50.19 0.74 0.00 | 48.93 0.77 0.00 | 52.23 0.77 0.00 | 54.66 0.65 0.00 | 57.74 0.74 0.00 | 61.89 0.67 0.00 | 64.73 0.64 0.00 | 74.04 1.02 0.02 | 81.67 1.29 5.56 | 81.67 2.26 33.61 | 81.67 3.19 60.27 | 81.67 4.22 85.27 | 81.67 4.61 93.46 | 81.67 6.22 154.94 | 212.51 6.57 56.61 | 248.70 5.99 17.74 | 295.83 5.00 -53.27 | 183.49 4.24 22.46 | 116.61 2.54 19.94 | 81.67 1.39 12.21 | 72.72 0.79 0.00 |
| SENECA OSWGO___HYD 24041 | 58.37 -0.77 0.00 | 55.57 -0.91 0.00 | 53.39 -1.04 0.00 | 48.50 -0.94 0.00 | 47.19 -0.96 0.00 | 50.48 -0.98 0.00 | 53.14 -0.87 0.00 | 56.20 -0.80 0.00 | 60.48 -0.73 0.00 | 63.45 -0.64 0.00 | 72.75 -0.29 0.00 | 85.85 -0.09 0.00 | 112.57 -0.45 0.00 | 137.92 -0.83 0.00 | 161.59 -1.13 0.00 | 169.34 -1.19 0.00 | 228.31 -2.08 0.00 | 260.44 -2.11 0.00 | 258.63 -1.81 0.00 | 236.63 -0.95 0.00 | 201.10 -0.60 0.00 | 134.02 0.00 0.00 | 92.40 -0.09 0.00 | 71.43 -0.50 0.00 |
| SENECA___115KV_TB3 355854 | 59.79 0.65 0.00 | 56.87 0.40 0.00 | 54.05 -0.38 0.00 | 49.44 0.00 0.00 | 47.72 -0.43 0.00 | 51.05 -0.41 0.00 | 54.55 0.54 0.00 | 56.77 -0.23 0.00 | 61.27 0.06 0.00 | 64.61 0.51 0.00 | 74.50 1.46 0.00 | 89.12 3.18 0.00 | 114.83 1.81 0.00 | 137.92 -0.83 0.00 | 159.79 -2.93 0.00 | 169.75 -3.58 -2.81 | 224.70 -10.60 -4.91 | 257.94 -10.76 -6.15 | 259.48 -9.38 -8.42 | 237.02 -5.46 -4.91 | 199.49 -2.22 0.00 | 135.22 1.21 0.00 | 94.16 1.66 0.00 | 75.02 3.09 0.00 |
| SENECA___ENERGY 23797 | 59.73 0.59 0.00 | 56.70 0.23 0.00 | 54.38 -0.05 0.00 | 49.59 0.15 0.00 | 48.16 0.00 0.00 | 51.46 0.00 0.00 | 54.44 0.43 0.00 | 57.51 0.51 0.00 | 62.00 0.79 0.00 | 65.18 1.09 0.00 | 74.93 1.90 0.00 | 88.51 2.58 0.00 | 115.28 2.26 0.00 | 140.83 2.08 0.00 | 164.68 1.96 0.00 | 174.36 1.71 -2.13 | 235.50 1.39 -3.72 | 269.31 2.09 -4.66 | 269.69 2.87 -6.38 | 245.33 4.03 -3.72 | 205.95 4.24 0.00 | 138.03 4.02 0.00 | 94.99 2.50 0.00 | 73.59 1.66 0.00 |
| SHOEMAKER___GT 23640 | 62.04 2.90 0.00 | 59.02 2.54 0.00 | 56.61 2.18 0.00 | 51.37 1.93 0.00 | 50.13 1.98 0.00 | 53.47 2.00 0.00 | 56.28 2.27 0.00 | 59.85 2.85 0.00 | 64.15 2.94 0.00 | 67.17 3.08 0.00 | 77.05 4.01 0.00 | 91.09 5.16 0.00 | 120.60 7.57 0.00 | 151.08 10.27 -2.06 | 180.44 12.21 -5.51 | 207.07 13.47 -23.08 | 284.03 18.44 -35.21 | 325.48 20.49 -42.44 | 337.28 19.78 -57.05 | 298.84 16.87 -44.40 | 249.78 13.72 -34.35 | 156.70 8.18 -14.50 | 101.14 5.27 -3.37 | 75.02 3.09 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 61.98 2.84 0.00 | 58.85 2.37 0.00 | 56.55 2.12 0.00 | 51.32 1.88 0.00 | 50.13 1.97 0.00 | 53.42 1.96 0.00 | 56.28 2.27 0.00 | 59.85 2.85 0.00 | 64.09 2.88 0.00 | 67.17 3.08 0.00 | 77.06 4.02 0.00 | 91.09 5.16 0.00 | 120.60 7.57 0.00 | 151.05 10.27 -2.04 | 180.19 12.04 -5.44 | 206.51 13.13 -22.86 | 283.72 18.43 -34.90 | 325.11 20.48 -42.07 | 336.57 19.53 -56.59 | 298.49 16.87 -44.05 | 249.25 13.51 -34.04 | 156.32 7.91 -14.40 | 101.02 5.18 -3.35 | 75.31 3.38 0.00 |
| SHOREHAM_IC_1 23715 | 63.46 4.31 0.00 | 60.88 4.41 0.00 | 57.53 3.10 0.00 | 51.91 2.47 0.00 | 50.66 2.50 0.00 | 54.03 2.57 0.00 | 56.82 2.81 0.00 | 60.99 3.99 0.00 | 64.64 3.43 0.00 | 66.86 2.82 0.05 | 78.01 4.97 0.00 | 94.01 8.08 0.00 | 126.22 12.66 -0.54 | 156.20 16.78 -0.66 | 254.98 19.84 -72.42 | 275.27 21.66 -83.08 | 298.72 25.12 -43.22 | 362.46 28.11 -71.80 | 345.34 26.58 -58.32 | 300.66 21.84 -41.24 | 252.47 17.54 -33.22 | 166.06 13.81 -18.23 | 104.24 7.40 -4.34 | 77.91 4.39 -1.59 |
| SHOREHAM_IC_2 23716 | 63.40 4.26 0.00 | 60.54 4.07 0.00 | 57.31 2.88 0.00 | 51.92 2.47 0.00 | 50.66 2.50 0.00 | 53.88 2.42 0.00 | 56.82 2.81 0.00 | 60.59 3.59 0.00 | 64.39 3.18 0.00 | 66.86 2.82 0.05 | 77.86 4.82 0.00 | 94.01 8.08 0.00 | 126.11 12.55 -0.54 | 156.33 16.93 -0.66 | 254.83 19.69 -72.42 | 274.92 21.32 -83.08 | 298.72 25.11 -43.22 | 362.44 28.09 -71.80 | 345.33 26.57 -58.32 | 300.67 21.86 -41.24 | 253.69 18.76 -33.22 | 165.91 13.67 -18.23 | 104.79 7.95 -4.34 | 78.63 5.11 -1.59 |
| SISSONVILLE____ 23735 | 57.78 -1.36 0.00 | 55.63 -0.85 0.00 | 53.61 -0.82 0.00 | 48.75 -0.69 0.00 | 47.44 -0.72 0.00 | 50.84 -0.62 0.00 | 53.20 -0.81 0.00 | 56.03 -0.97 0.00 | 60.05 -1.16 0.00 | 62.11 -1.99 0.00 | 70.12 -2.92 0.00 | 81.12 -4.81 0.00 | 106.02 -7.01 0.00 | 128.06 -10.68 0.01 | 148.37 -12.85 1.49 | 157.22 -13.30 0.00 | 213.57 -16.82 0.00 | 244.17 -18.38 0.00 | 242.73 -17.71 0.00 | 222.13 -15.44 0.00 | 188.59 -13.11 0.00 | 126.11 -7.91 0.00 | 88.70 -3.79 0.00 | 69.84 -2.09 0.00 |
| SITHE_IND_GS1 24169 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 49.97 -1.49 0.00 | 52.61 -1.40 0.00 | 55.52 -1.48 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.83 -2.92 0.00 | 159.14 -3.58 0.00 | 166.77 -3.75 0.00 | 224.86 -5.53 0.00 | 256.52 -6.03 0.00 | 254.46 -5.98 0.00 | 232.57 -5.00 0.00 | 197.87 -3.84 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.49 -1.44 0.00 |
| SITHE_IND_GS2 24170 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 49.97 -1.49 0.00 | 52.61 -1.40 0.00 | 55.52 -1.48 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.83 -2.92 0.00 | 159.14 -3.58 0.00 | 166.77 -3.75 0.00 | 224.86 -5.53 0.00 | 256.52 -6.03 0.00 | 254.46 -5.98 0.00 | 232.57 -5.00 0.00 | 197.87 -3.84 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.49 -1.44 0.00 |
| SITHE_IND_GS3 24171 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 49.97 -1.49 0.00 | 52.61 -1.40 0.00 | 55.52 -1.48 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.83 -2.92 0.00 | 159.14 -3.58 0.00 | 166.77 -3.75 0.00 | 224.86 -5.53 0.00 | 256.52 -6.03 0.00 | 254.46 -5.98 0.00 | 232.57 -5.00 0.00 | 197.87 -3.84 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.49 -1.44 0.00 |
| SITHE_IND_GS4 24172 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 49.97 -1.49 0.00 | 52.61 -1.40 0.00 | 55.52 -1.48 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.73 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.83 -2.92 0.00 | 159.14 -3.58 0.00 | 166.77 -3.75 0.00 | 224.86 -5.53 0.00 | 256.52 -6.03 0.00 | 254.46 -5.98 0.00 | 232.57 -5.00 0.00 | 197.87 -3.84 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.49 -1.44 0.00 |

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| SITHE___BATAVIA 24024 | 60.98 1.84 0.00 | 58.00 1.53 0.00 | 54.92 0.49 0.00 | 50.14 0.69 0.00 | 48.35 0.19 0.00 | 51.87 0.41 0.00 | 55.15 1.14 0.00 | 57.45 0.45 0.00 | 62.00 0.79 0.00 | 65.57 1.48 0.00 | 75.45 2.41 0.00 | 90.06 4.12 0.00 | 114.15 1.13 0.00 | 137.92 -0.83 0.00 | 159.62 -3.10 0.00 | 168.26 -4.60 -2.33 | 224.80 -9.67 -4.08 | 258.23 -9.44 -5.11 | 258.86 -8.59 -7.00 | 237.13 -4.52 -4.08 | 200.50 -1.20 0.00 | 135.75 1.74 0.00 | 95.82 3.32 0.00 | 74.66 2.73 0.00 |
| SITHE___INDEPEND 23800 | 57.72 -1.42 0.00 | 55.01 -1.47 0.00 | 52.91 -1.52 0.00 | 48.06 -1.38 0.00 | 46.76 -1.40 0.00 | 49.97 -1.49 0.00 | 52.61 -1.40 0.00 | 55.57 -1.42 0.00 | 59.74 -1.47 0.00 | 62.68 -1.41 0.00 | 71.72 -1.31 0.00 | 84.65 -1.29 0.00 | 110.99 -2.03 0.00 | 135.98 -2.78 0.00 | 159.30 -3.42 0.00 | 166.94 -3.58 0.00 | 224.86 -5.53 0.00 | 256.51 -6.04 0.00 | 254.45 -5.99 0.00 | 232.58 -4.99 0.00 | 197.87 -3.83 0.00 | 131.74 -2.28 0.00 | 90.92 -1.57 0.00 | 70.71 -1.22 0.00 |
| SITHE___MASSENA 23902 | 58.13 -1.01 0.00 | 55.91 -0.56 0.00 | 53.99 -0.44 0.00 | 49.15 -0.29 0.00 | 47.82 -0.33 0.00 | 51.20 -0.26 0.00 | 53.52 -0.49 0.00 | 56.37 -0.63 0.00 | 60.48 -0.73 0.00 | 63.00 -1.09 0.00 | 71.14 -1.90 0.00 | 82.76 -3.18 0.00 | 108.39 -4.64 0.00 | 132.09 -6.66 0.01 | 152.39 -8.47 1.85 | 162.00 -8.52 0.00 | 219.56 -10.82 0.00 | 250.48 -12.07 0.00 | 248.73 -11.72 0.00 | 227.12 -10.45 0.00 | 192.63 -9.07 0.00 | 127.99 -6.03 0.00 | 89.72 -2.77 0.00 | 70.99 -0.94 0.00 |
| SITHE___OGDNSBRG 24021 | 59.02 -0.12 0.00 | 56.87 0.40 0.00 | 54.81 0.38 0.00 | 49.79 0.35 0.00 | 48.45 0.29 0.00 | 51.98 0.51 0.00 | 54.28 0.27 0.00 | 57.00 0.00 0.00 | 60.97 -0.24 0.00 | 63.13 -0.96 0.00 | 71.21 -1.83 0.00 | 82.41 -3.52 0.00 | 107.83 -5.20 0.00 | 130.42 -8.33 0.01 | 151.32 -9.76 1.63 | 160.63 -9.89 0.00 | 218.64 -11.75 0.00 | 250.48 -12.08 0.00 | 249.77 -10.68 0.00 | 229.02 -8.55 0.00 | 194.64 -7.06 0.00 | 130.13 -3.89 0.00 | 91.11 -1.39 0.00 | 71.50 -0.43 0.00 |
| SITHE___STERLING 23777 | 60.91 1.77 0.00 | 57.89 1.41 0.00 | 55.68 1.25 0.00 | 50.48 1.04 0.00 | 49.12 0.96 0.00 | 52.65 1.18 0.00 | 55.36 1.35 0.00 | 58.54 1.54 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.52 2.48 0.00 | 89.20 3.26 0.00 | 117.32 4.29 0.00 | 143.74 4.99 0.00 | 168.79 5.85 -0.22 | 176.49 5.97 0.00 | 238.92 8.53 0.00 | 272.53 9.97 0.00 | 270.87 10.43 0.00 | 247.78 10.21 0.00 | 210.79 9.09 0.00 | 140.19 6.17 0.00 | 96.66 4.17 0.00 | 74.45 2.52 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 59.73 0.59 0.00 | 56.76 0.28 0.00 | 54.32 -0.11 0.00 | 49.44 0.00 0.00 | 47.92 -0.24 0.00 | 51.31 -0.15 0.00 | 54.33 0.32 0.00 | 57.34 0.34 0.00 | 61.76 0.55 0.00 | 65.18 1.09 0.00 | 75.01 1.97 0.00 | 89.03 3.09 0.00 | 115.85 2.83 0.00 | 141.11 2.36 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 230.62 0.23 0.00 | 263.34 0.79 0.00 | 261.75 1.30 0.00 | 240.18 2.61 0.00 | 204.93 3.23 0.00 | 137.37 3.35 0.00 | 94.81 2.31 0.00 | 74.16 2.23 0.00 |
| SMITHTWN_69_KV_BK 1 55830 | 64.05 4.91 0.00 | 61.28 4.80 0.00 | 58.08 3.65 0.00 | 52.61 3.16 0.00 | 51.34 3.18 0.00 | 54.60 3.14 0.00 | 57.68 3.67 0.00 | 61.44 4.45 0.00 | 65.19 3.98 0.00 | 67.66 3.65 0.09 | 78.59 5.55 0.00 | 94.55 8.68 0.07 | 126.55 13.22 -0.30 | 157.34 17.90 -0.69 | 396.36 21.15 -212.49 | 382.60 22.68 -189.39 | 303.49 30.64 -42.47 | 406.01 34.39 -109.06 | 350.09 32.56 -57.09 | 305.57 27.32 -40.67 | 254.74 20.17 -32.86 | 165.80 13.54 -18.25 | 105.27 8.42 -4.36 | 79.34 5.75 -1.65 |
| SOUTH CAIRO___GT 23612 | 63.16 4.02 0.00 | 59.75 3.28 0.00 | 57.48 3.05 0.00 | 52.06 2.62 0.00 | 50.71 2.55 0.00 | 54.29 2.83 0.00 | 56.93 2.92 0.00 | 59.91 2.91 0.00 | 64.15 2.94 0.00 | 66.66 2.56 0.00 | 76.38 3.36 0.02 | 87.94 3.95 1.95 | 106.97 5.76 11.82 | 110.21 8.05 36.58 | 101.54 9.93 71.10 | 106.12 11.43 75.83 | 155.68 16.36 91.06 | 229.24 19.95 53.27 | 262.84 20.58 18.18 | 301.82 18.29 -45.95 | 193.08 16.74 25.36 | 122.43 10.72 22.31 | 101.95 6.10 -3.35 | 76.82 4.89 0.00 |
| SOUTH HAMPTN___IC 23720 | 64.64 5.50 0.00 | 61.95 5.48 0.00 | 58.51 4.08 0.00 | 52.71 3.26 0.00 | 51.43 3.28 0.00 | 54.80 3.34 0.00 | 57.69 3.67 0.00 | 61.96 4.96 0.00 | 65.92 4.71 0.00 | 68.47 4.42 0.05 | 80.13 7.08 0.00 | 96.68 10.74 0.00 | 129.83 16.28 -0.53 | 160.36 20.95 -0.66 | 246.60 24.25 -59.63 | 269.96 26.09 -73.34 | 306.95 33.39 -43.16 | 368.06 37.27 -68.24 | 354.15 35.41 -58.29 | 308.25 29.45 -41.22 | 256.51 21.59 -33.21 | 169.00 16.75 -18.23 | 106.36 9.53 -4.34 | 79.47 5.97 -1.57 |
| SOUTHDOWN_115KV_TB1 355954 | 60.32 1.18 0.00 | 57.15 0.68 0.00 | 54.37 -0.05 0.00 | 49.69 0.25 0.00 | 48.11 -0.05 0.00 | 51.56 0.10 0.00 | 55.41 1.40 0.00 | 58.25 1.25 0.00 | 63.23 2.02 0.00 | 66.46 2.37 0.00 | 76.84 3.80 0.00 | 91.95 6.02 0.00 | 119.35 6.33 0.00 | 143.19 4.44 0.00 | 165.65 2.93 0.00 | 176.48 2.90 -3.06 | 234.12 -1.61 -5.35 | 268.20 -1.05 -6.70 | 270.65 1.04 -9.17 | 247.20 4.28 -5.35 | 207.76 6.05 0.00 | 140.32 6.30 0.00 | 97.49 4.99 0.00 | 76.89 4.96 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 65.65 6.51 0.00 | 62.58 6.10 0.00 | 59.06 4.63 0.00 | 53.40 3.96 0.00 | 52.06 3.90 0.00 | 55.32 3.86 0.00 | 58.33 4.32 0.00 | 62.47 5.47 0.00 | 66.72 5.51 0.00 | 69.88 5.83 0.05 | 81.88 8.84 0.00 | 99.43 13.49 0.00 | 133.22 19.67 -0.53 | 164.38 24.98 -0.65 | 247.34 24.73 -59.89 | 270.67 26.60 -73.54 | 308.57 35.02 -43.17 | 370.25 39.38 -68.31 | 355.98 37.24 -58.29 | 308.97 30.17 -41.23 | 257.51 22.59 -33.21 | 171.94 19.70 -18.22 | 108.76 11.93 -4.34 | 81.70 8.20 -1.57 |
| SOUTHOLD___IC 23719 | 65.70 6.56 0.00 | 62.91 6.44 0.00 | 59.33 4.90 0.00 | 53.40 3.96 0.00 | 52.06 3.90 0.00 | 55.48 4.02 0.00 | 58.33 4.32 0.00 | 62.82 5.82 0.00 | 66.96 5.75 0.00 | 69.82 5.77 0.05 | 82.10 9.05 0.00 | 99.34 13.40 0.00 | 133.33 19.77 -0.53 | 164.38 24.97 -0.66 | 247.66 25.05 -59.89 | 271.00 26.93 -73.54 | 308.56 35.01 -43.17 | 370.23 39.37 -68.31 | 355.71 36.97 -58.29 | 308.97 30.18 -41.23 | 256.29 21.37 -33.21 | 171.95 19.71 -18.23 | 108.30 11.47 -4.34 | 80.91 7.41 -1.57 |
| SOUTH_FORK_WT_PWR 323839 | 65.59 6.45 0.00 | 62.74 6.27 0.00 | 59.16 4.73 0.00 | 53.25 3.81 0.00 | 51.92 3.76 0.00 | 55.27 3.81 0.00 | 58.11 4.10 0.00 | 62.59 5.59 0.00 | 66.78 5.57 0.00 | 69.75 5.70 0.05 | 82.02 8.98 0.00 | 99.34 13.40 0.00 | 133.33 19.77 -0.53 | 163.97 24.56 -0.66 | 248.34 25.87 -59.75 | 271.77 27.81 -73.44 | 309.72 36.17 -43.17 | 371.24 40.42 -68.27 | 356.76 38.02 -58.29 | 309.91 31.11 -41.22 | 257.10 22.19 -33.21 | 171.27 19.02 -18.23 | 107.83 11.00 -4.34 | 80.62 7.12 -1.57 |
| SPIERFLS_115KV_TB 1 80737 | 63.10 3.96 0.00 | 59.86 3.39 0.00 | 57.37 2.94 0.00 | 51.87 2.42 0.00 | 50.52 2.36 0.00 | 54.09 2.62 0.00 | 56.87 2.86 0.00 | 60.13 3.13 0.00 | 64.58 3.37 0.00 | 67.30 3.20 0.00 | 76.63 3.58 -0.01 | 90.49 4.55 0.00 | 119.69 6.67 0.00 | 157.33 8.60 -9.98 | 199.79 10.41 -26.66 | 289.40 11.60 -107.28 | 409.00 15.90 -162.72 | 476.94 18.64 -195.75 | 561.89 21.62 -279.83 | 550.46 19.72 -293.17 | 540.34 17.35 -321.29 | 352.12 11.26 -206.85 | 139.06 7.49 -39.07 | 77.04 5.11 0.00 |
| ST LAWRENCE____ 23600 | 57.66 -1.48 0.00 | 55.40 -1.07 0.00 | 53.50 -0.93 0.00 | 48.65 -0.79 0.00 | 47.39 -0.77 0.00 | 50.69 -0.77 0.00 | 53.09 -0.92 0.00 | 55.80 -1.20 0.00 | 59.92 -1.29 0.00 | 62.62 -1.47 0.00 | 70.63 -2.41 0.00 | 82.50 -3.44 0.00 | 108.28 -4.74 0.00 | 132.64 -6.10 0.01 | 153.61 -7.16 1.95 | 163.20 -7.33 0.00 | 220.93 -9.46 0.00 | 252.04 -10.51 0.00 | 250.28 -10.16 0.00 | 228.30 -9.27 0.00 | 193.63 -8.07 0.00 | 128.65 -5.36 0.00 | 89.25 -3.24 0.00 | 70.35 -1.58 0.00 |

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| STATE_CA_115KV_115_LB 55624 | 61.27 2.13 0.00 | 58.17 1.69 0.00 | 56.06 1.63 0.00 | 50.83 1.38 0.00 | 49.55 1.40 0.00 | 52.90 1.44 0.00 | 55.41 1.40 0.00 | 58.59 1.60 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.23 2.19 -0.01 | 88.60 2.66 0.00 | 117.32 4.29 0.00 | 148.00 5.83 -3.42 | 179.17 7.32 -9.13 | 241.36 8.19 -62.65 | 342.28 10.83 -101.06 | 398.20 11.81 -123.83 | 454.54 10.94 -183.16 | 441.41 9.27 -194.57 | 407.71 7.87 -198.14 | 269.92 4.96 -130.94 | 121.52 3.05 -25.97 | 74.16 2.23 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 59.97 0.83 0.00 | 56.98 0.51 0.00 | 54.70 0.27 0.00 | 49.74 0.30 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.55 0.54 0.00 | 57.74 0.74 0.00 | 62.19 0.98 0.00 | 65.31 1.22 0.00 | 75.01 1.97 0.00 | 88.69 2.75 0.00 | 115.96 2.94 0.00 | 141.80 3.05 0.00 | 166.30 3.58 0.00 | 176.21 3.58 -2.11 | 238.22 4.15 -3.69 | 272.42 5.25 -4.62 | 272.75 5.99 -6.32 | 247.67 6.41 -3.69 | 207.76 6.05 0.00 | 138.57 4.56 0.00 | 95.55 3.05 0.00 | 74.16 2.23 0.00 |
| STATION_5_MISC_HYD 23604 | 60.03 0.89 0.00 | 57.16 0.68 0.00 | 54.59 0.16 0.00 | 49.74 0.30 0.00 | 48.11 -0.05 0.00 | 51.36 -0.10 0.00 | 54.61 0.60 0.00 | 57.23 0.23 0.00 | 61.76 0.55 0.00 | 65.25 1.15 0.00 | 75.08 2.04 0.00 | 89.38 3.44 0.00 | 115.63 2.60 0.00 | 140.55 1.80 0.00 | 163.37 0.65 0.00 | 170.52 0.00 0.00 | 227.86 -2.53 0.00 | 260.44 -2.11 0.00 | 258.35 -2.09 0.00 | 237.57 0.00 0.00 | 203.31 1.61 0.00 | 136.84 2.82 0.00 | 94.89 2.40 0.00 | 73.73 1.80 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 59.85 0.71 0.00 | 56.93 0.45 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 48.11 -0.05 0.00 | 51.41 -0.05 0.00 | 54.44 0.43 0.00 | 57.45 0.46 0.00 | 61.88 0.67 0.00 | 65.25 1.15 0.00 | 75.08 2.05 0.00 | 88.94 3.01 0.00 | 115.62 2.60 0.00 | 140.69 1.94 0.00 | 164.18 1.46 0.00 | 174.07 1.53 -2.01 | 233.44 -0.46 -3.51 | 267.22 0.26 -4.40 | 267.51 1.04 -6.02 | 243.46 2.38 -3.51 | 204.73 3.03 0.00 | 137.50 3.48 0.00 | 94.90 2.40 0.00 | 74.38 2.45 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 59.67 0.53 0.00 | 56.81 0.34 0.00 | 54.27 -0.16 0.00 | 49.44 0.00 0.00 | 47.82 -0.34 0.00 | 51.20 -0.26 0.00 | 54.28 0.27 0.00 | 57.06 0.06 0.00 | 61.46 0.24 0.00 | 64.93 0.83 0.00 | 74.79 1.75 0.00 | 88.94 3.01 0.00 | 115.51 2.49 0.00 | 140.14 1.39 0.00 | 163.21 0.49 0.00 | 171.04 0.51 0.00 | 227.62 -2.76 0.00 | 260.19 -2.36 0.00 | 258.36 -2.08 0.00 | 237.33 -0.24 0.00 | 202.71 1.01 0.00 | 136.30 2.28 0.00 | 94.44 1.94 0.00 | 74.16 2.23 0.00 |
| STA_56___34_KV_BUS2 355983 | 59.67 0.53 0.00 | 56.81 0.34 0.00 | 54.27 -0.16 0.00 | 49.44 0.00 0.00 | 47.82 -0.34 0.00 | 51.20 -0.26 0.00 | 54.28 0.27 0.00 | 57.06 0.06 0.00 | 61.46 0.24 0.00 | 64.93 0.83 0.00 | 74.79 1.75 0.00 | 88.94 3.01 0.00 | 115.51 2.49 0.00 | 140.14 1.39 0.00 | 163.21 0.49 0.00 | 171.04 0.51 0.00 | 227.62 -2.76 0.00 | 260.19 -2.36 0.00 | 258.36 -2.08 0.00 | 237.33 -0.24 0.00 | 202.71 1.01 0.00 | 136.30 2.28 0.00 | 94.44 1.94 0.00 | 74.16 2.23 0.00 |
| STA_67___115KV_BK2 355882 | 59.91 0.77 0.00 | 57.04 0.56 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 47.97 -0.19 0.00 | 51.36 -0.10 0.00 | 54.44 0.43 0.00 | 57.17 0.17 0.00 | 61.58 0.37 0.00 | 65.05 0.96 0.00 | 74.86 1.83 0.00 | 89.03 3.09 0.00 | 115.51 2.49 0.00 | 140.00 1.25 0.00 | 163.04 0.33 0.00 | 170.69 0.17 0.00 | 226.93 -3.46 0.00 | 259.40 -3.15 0.00 | 257.84 -2.60 0.00 | 236.86 -0.71 0.00 | 202.71 1.01 0.00 | 136.43 2.41 0.00 | 94.62 2.13 0.00 | 74.45 2.52 0.00 |
| STA_7___115KV_9TRANS 80674 | 60.44 1.30 0.00 | 57.49 1.02 0.00 | 54.86 0.44 0.00 | 49.99 0.54 0.00 | 48.35 0.19 0.00 | 51.72 0.26 0.00 | 54.87 0.86 0.00 | 57.63 0.63 0.00 | 62.13 0.92 0.00 | 65.70 1.60 0.00 | 75.67 2.63 0.00 | 90.06 4.12 0.00 | 116.75 3.73 0.00 | 141.53 2.78 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 229.70 -0.69 0.00 | 262.55 0.00 0.00 | 260.96 0.52 0.00 | 239.71 2.14 0.00 | 204.93 3.23 0.00 | 137.90 3.89 0.00 | 95.55 3.05 0.00 | 75.17 3.24 0.00 |
| STA_82___115KV_TB1 80780 | 59.91 0.77 0.00 | 57.04 0.56 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 47.97 -0.19 0.00 | 51.36 -0.10 0.00 | 54.50 0.49 0.00 | 57.17 0.17 0.00 | 61.58 0.37 0.00 | 65.05 0.96 0.00 | 74.86 1.83 0.00 | 89.03 3.09 0.00 | 115.51 2.49 0.00 | 140.00 1.25 0.00 | 163.04 0.33 0.00 | 170.69 0.17 0.00 | 226.93 -3.46 0.00 | 259.66 -2.89 0.00 | 257.84 -2.60 0.00 | 237.10 -0.48 0.00 | 202.71 1.01 0.00 | 136.43 2.41 0.00 | 94.62 2.13 0.00 | 74.45 2.52 0.00 |
| STEEL___WIND 323596 | 59.73 0.59 0.00 | 56.87 0.40 0.00 | 53.99 -0.44 0.00 | 49.39 -0.05 0.00 | 47.63 -0.53 0.00 | 50.90 -0.56 0.00 | 54.50 0.49 0.00 | 56.60 -0.40 0.00 | 61.21 0.00 0.00 | 64.48 0.39 0.00 | 74.35 1.32 0.00 | 89.03 3.09 0.00 | 114.39 1.36 0.00 | 137.79 -0.96 0.00 | 159.29 -3.42 0.00 | 168.22 -5.11 -2.81 | 224.47 -10.82 -4.91 | 257.42 -11.28 -6.15 | 258.43 -10.43 -8.42 | 236.55 -5.93 -4.91 | 199.29 -2.41 0.00 | 135.08 1.07 0.00 | 94.16 1.67 0.00 | 73.59 1.66 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 61.51 2.37 0.00 | 58.34 1.86 0.00 | 56.17 1.74 0.00 | 50.93 1.48 0.00 | 49.65 1.49 0.00 | 53.00 1.54 0.00 | 55.58 1.57 0.00 | 58.77 1.77 0.00 | 63.11 1.90 0.00 | 65.95 1.86 0.00 | 75.34 2.34 0.04 | 88.77 2.84 0.00 | 117.55 4.52 0.00 | 98.45 6.11 46.41 | 46.73 7.97 123.96 | 31.46 9.21 148.27 | 99.50 12.21 143.10 | 134.54 13.65 141.66 | 176.66 12.76 96.55 | 275.74 10.93 -27.24 | 118.39 9.08 92.40 | 70.98 5.76 68.80 | 113.54 3.61 -17.44 | 74.52 2.59 0.00 |
| STEUBEN_REC_LFGE 323667 | 60.03 0.89 0.00 | 56.70 0.23 0.00 | 54.10 -0.33 0.00 | 49.49 0.05 0.00 | 48.01 -0.14 0.00 | 51.46 0.00 0.00 | 54.82 0.81 0.00 | 57.80 0.80 0.00 | 62.13 0.92 0.00 | 65.31 1.22 0.00 | 75.38 2.34 0.00 | 89.46 3.52 0.00 | 115.62 2.60 0.00 | 139.44 0.69 0.00 | 162.23 -0.49 0.00 | 173.30 -1.02 -3.80 | 232.42 -4.61 -6.64 | 266.93 -3.94 -8.32 | 272.09 -0.52 -12.17 | 252.00 3.80 -10.63 | 214.35 5.45 -7.20 | 144.43 6.03 -4.38 | 98.23 4.72 -1.02 | 76.46 4.53 0.00 |
| STILLWATER___SOLAR 323814 | 63.04 3.90 0.00 | 59.98 3.50 0.00 | 57.48 3.05 0.00 | 52.06 2.62 0.00 | 50.71 2.55 0.00 | 54.19 2.73 0.00 | 56.93 2.91 0.00 | 60.13 3.13 0.00 | 64.45 3.24 0.00 | 67.23 3.14 0.00 | 76.99 3.94 -0.01 | 90.75 4.81 0.00 | 120.03 7.01 0.00 | 159.72 9.01 -11.96 | 205.74 11.07 -31.95 | 295.82 12.11 -113.19 | 414.84 16.36 -168.09 | 482.35 18.91 -200.88 | 562.40 19.78 -282.17 | 544.47 18.29 -288.60 | 537.86 15.74 -320.41 | 352.27 10.46 -207.79 | 137.10 6.94 -37.66 | 76.60 4.67 0.00 |
| STONY___BROOK 24151 | 64.11 4.97 0.00 | 61.56 5.08 0.00 | 58.24 3.81 0.00 | 52.56 3.12 0.00 | 51.29 3.13 0.00 | 54.70 3.24 0.00 | 57.57 3.56 0.00 | 61.73 4.73 0.00 | 65.37 4.16 0.00 | 67.55 3.52 0.07 | 78.59 5.55 0.00 | 94.19 8.25 0.00 | 126.45 12.88 -0.55 | 156.50 17.06 -0.69 | 316.03 20.50 -132.81 | 321.63 22.16 -128.95 | 302.99 29.26 -43.34 | 383.54 32.55 -88.44 | 349.79 30.98 -58.37 | 304.74 25.90 -41.27 | 253.50 18.54 -33.25 | 165.41 13.14 -18.25 | 104.34 7.49 -4.36 | 78.17 4.61 -1.63 |
| STURGEON_POOL_HYD 23609 | 62.75 3.61 0.00 | 59.53 3.05 0.00 | 57.21 2.78 0.00 | 51.92 2.47 0.00 | 50.71 2.55 0.00 | 53.98 2.52 0.00 | 56.87 2.86 0.00 | 60.59 3.59 0.00 | 64.94 3.73 0.00 | 68.07 3.97 0.00 | 78.37 5.33 0.00 | 92.30 6.79 0.43 | 120.26 9.83 2.60 | 145.77 13.32 6.30 | 167.38 15.62 10.96 | 190.04 17.05 -2.47 | 263.19 23.73 -9.07 | 312.13 26.26 -23.33 | 328.34 25.00 -42.89 | 304.72 21.14 -46.01 | 240.83 17.35 -21.78 | 153.88 10.19 -9.68 | 102.09 6.20 -3.40 | 76.32 4.39 0.00 |

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| ST_LAW_115_BK7_LBMP 345037 | 57.60 -1.54 0.00 | 55.35 -1.13 0.00 | 53.50 -0.93 0.00 | 48.65 -0.79 0.00 | 47.34 -0.82 0.00 | 50.69 -0.77 0.00 | 53.04 -0.97 0.00 | 55.74 -1.25 0.00 | 59.86 -1.35 0.00 | 62.49 -1.60 0.00 | 70.48 -2.56 0.00 | 82.24 -3.69 0.00 | 107.94 -5.08 0.00 | 132.09 -6.66 0.01 | 152.98 -7.81 1.93 | 162.51 -8.01 0.00 | 220.26 -10.13 0.00 | 251.01 -11.55 0.00 | 249.25 -11.19 0.00 | 227.36 -10.21 0.00 | 192.83 -8.87 0.00 | 128.12 -5.89 0.00 | 88.98 -3.51 0.00 | 70.28 -1.65 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 57.60 -1.54 0.00 | 55.35 -1.13 0.00 | 53.50 -0.93 0.00 | 48.65 -0.79 0.00 | 47.34 -0.82 0.00 | 50.69 -0.77 0.00 | 53.04 -0.97 0.00 | 55.74 -1.25 0.00 | 59.86 -1.35 0.00 | 62.49 -1.60 0.00 | 70.48 -2.56 0.00 | 82.24 -3.69 0.00 | 107.94 -5.08 0.00 | 132.09 -6.66 0.01 | 152.98 -7.81 1.93 | 162.51 -8.01 0.00 | 220.26 -10.13 0.00 | 251.01 -11.55 0.00 | 249.25 -11.19 0.00 | 227.36 -10.21 0.00 | 192.83 -8.87 0.00 | 128.12 -5.89 0.00 | 88.98 -3.51 0.00 | 70.28 -1.65 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 57.66 -1.48 0.00 | 55.40 -1.07 0.00 | 53.50 -0.93 0.00 | 48.65 -0.79 0.00 | 47.39 -0.77 0.00 | 50.69 -0.77 0.00 | 53.09 -0.92 0.00 | 55.80 -1.20 0.00 | 59.92 -1.29 0.00 | 62.62 -1.47 0.00 | 70.63 -2.41 0.00 | 82.50 -3.44 0.00 | 108.28 -4.74 0.00 | 132.64 -6.10 0.01 | 153.59 -7.16 1.97 | 163.20 -7.33 0.00 | 220.93 -9.46 0.00 | 252.04 -10.51 0.00 | 250.28 -10.16 0.00 | 228.30 -9.27 0.00 | 193.63 -8.07 0.00 | 128.65 -5.36 0.00 | 89.25 -3.24 0.00 | 70.35 -1.58 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 57.66 -1.48 0.00 | 55.40 -1.07 0.00 | 53.50 -0.93 0.00 | 48.65 -0.79 0.00 | 47.39 -0.77 0.00 | 50.69 -0.77 0.00 | 53.09 -0.92 0.00 | 55.80 -1.20 0.00 | 59.92 -1.29 0.00 | 62.62 -1.47 0.00 | 70.63 -2.41 0.00 | 82.50 -3.44 0.00 | 108.28 -4.74 0.00 | 132.64 -6.10 0.01 | 153.59 -7.16 1.97 | 163.20 -7.33 0.00 | 220.93 -9.46 0.00 | 252.04 -10.51 0.00 | 250.28 -10.16 0.00 | 228.30 -9.27 0.00 | 193.63 -8.07 0.00 | 128.65 -5.36 0.00 | 89.25 -3.24 0.00 | 70.35 -1.58 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 62.28 3.13 0.00 | 59.13 2.65 0.00 | 56.72 2.29 0.00 | 51.52 2.08 0.00 | 50.32 2.17 0.00 | 53.57 2.11 0.00 | 56.49 2.48 0.00 | 60.19 3.19 0.00 | 64.52 3.31 0.00 | 67.62 3.53 0.00 | 77.64 4.60 0.00 | 91.87 5.93 0.00 | 121.73 8.70 0.00 | 152.70 11.79 -2.16 | 182.31 13.83 -5.76 | 209.49 15.18 -23.79 | 287.81 21.20 -36.23 | 329.56 23.37 -43.64 | 341.18 22.14 -58.60 | 301.90 18.77 -45.56 | 252.04 14.93 -35.41 | 157.45 8.58 -14.86 | 101.59 5.64 -3.46 | 75.53 3.60 0.00 |
| SWANROAD_115KV_TB1 355699 | 58.79 -0.35 0.00 | 56.08 -0.40 0.00 | 52.74 -1.69 0.00 | 48.26 -1.19 0.00 | 46.95 -1.20 0.00 | 50.23 -1.24 0.00 | 53.09 -0.92 0.00 | 55.00 -1.99 0.00 | 59.31 -1.90 0.00 | 62.55 -1.54 0.00 | 71.94 -1.10 0.00 | 86.02 0.09 0.00 | 110.43 -2.60 0.00 | 132.51 -6.24 0.00 | 153.28 -9.44 0.00 | 162.15 -10.91 -2.54 | 213.87 -20.97 -4.45 | 245.55 -22.58 -5.57 | 246.71 -21.36 -7.63 | 225.87 -16.15 -4.45 | 191.01 -10.69 0.00 | 130.00 -4.02 0.00 | 90.74 -1.76 0.00 | 72.87 0.94 0.00 |
| SYNERGY___BIOGAS 323694 | 60.97 1.83 0.00 | 58.00 1.52 0.00 | 54.92 0.49 0.00 | 50.14 0.69 0.00 | 48.54 0.39 0.00 | 52.03 0.57 0.00 | 55.14 1.13 0.00 | 57.57 0.57 0.00 | 62.01 0.80 0.00 | 65.57 1.47 0.00 | 75.45 2.41 0.00 | 90.06 4.12 0.00 | 114.38 1.36 0.00 | 137.92 -0.83 0.00 | 159.95 -2.77 0.00 | 169.45 -3.41 -2.33 | 224.79 -9.68 -4.08 | 258.22 -9.45 -5.11 | 259.37 -8.07 -7.00 | 237.38 -4.28 -4.08 | 200.49 -1.21 0.00 | 135.76 1.74 0.00 | 95.82 3.33 0.00 | 75.96 4.03 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.91 0.88 0.00 | 87.23 1.29 0.00 | 114.38 1.36 0.00 | 140.00 1.25 0.00 | 164.18 1.46 0.00 | 172.06 1.53 0.00 | 231.77 1.38 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.94 1.01 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 53.79 -0.22 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.91 0.88 0.00 | 87.23 1.29 0.00 | 114.38 1.36 0.00 | 140.00 1.25 0.00 | 164.18 1.46 0.00 | 172.06 1.53 0.00 | 231.77 1.38 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.94 1.01 0.00 |
| SYRACUSE___POWER 24017 | 59.32 0.18 0.00 | 56.42 -0.06 0.00 | 54.21 -0.22 0.00 | 49.25 -0.20 0.00 | 47.92 -0.24 0.00 | 51.25 -0.21 0.00 | 53.96 -0.05 0.00 | 57.17 0.17 0.00 | 61.58 0.37 0.00 | 64.61 0.51 0.00 | 74.13 1.10 0.00 | 87.57 1.63 0.00 | 114.83 1.81 0.00 | 140.69 1.94 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 232.69 2.30 0.00 | 265.18 2.63 0.00 | 263.31 2.86 0.00 | 240.90 3.33 0.00 | 204.93 3.23 0.00 | 136.43 2.41 0.00 | 94.07 1.57 0.00 | 73.08 1.15 0.00 |
| TALLMAN_138KV_BK151 55660 | 62.63 3.49 0.00 | 59.41 2.94 0.00 | 56.99 2.56 0.00 | 51.72 2.27 0.00 | 50.52 2.36 0.00 | 53.78 2.32 0.00 | 56.77 2.75 0.00 | 60.59 3.59 0.00 | 64.88 3.67 0.00 | 68.07 3.97 0.00 | 78.15 5.11 0.00 | 92.55 6.62 0.00 | 122.74 9.72 0.00 | 154.27 13.18 -2.34 | 184.58 15.62 -6.24 | 212.54 17.05 -24.96 | 291.93 23.73 -37.82 | 334.02 25.99 -45.48 | 345.80 24.48 -60.88 | 305.43 20.67 -47.19 | 255.09 16.34 -37.05 | 162.90 9.38 -19.50 | 102.23 6.10 -3.64 | 75.82 3.88 0.00 |
| TEALLAVE_115KV_TB7 355573 | 59.20 0.06 0.00 | 56.25 -0.23 0.00 | 54.10 -0.33 0.00 | 49.15 -0.30 0.00 | 47.77 -0.39 0.00 | 51.15 -0.31 0.00 | 53.85 -0.16 0.00 | 57.00 0.00 0.00 | 61.39 0.18 0.00 | 64.48 0.38 0.00 | 73.99 0.95 0.00 | 87.40 1.46 0.00 | 114.61 1.58 0.00 | 140.28 1.53 0.00 | 164.34 1.63 0.00 | 172.23 1.71 0.00 | 231.77 1.38 0.00 | 264.13 1.58 0.00 | 262.27 1.82 0.00 | 239.95 2.38 0.00 | 203.92 2.22 0.00 | 135.89 1.88 0.00 | 93.70 1.20 0.00 | 72.79 0.86 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 59.85 0.71 0.00 | 57.04 0.56 0.00 | 53.89 -0.54 0.00 | 49.30 -0.15 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 54.23 0.22 0.00 | 56.43 -0.57 0.00 | 60.78 -0.43 0.00 | 64.22 0.13 0.00 | 73.91 0.88 0.00 | 88.26 2.32 0.00 | 113.25 0.23 0.00 | 136.25 -2.50 0.00 | 157.84 -4.88 0.00 | 167.14 -5.80 -2.42 | 221.02 -13.59 -4.23 | 253.94 -13.92 -5.30 | 254.93 -12.76 -7.25 | 233.25 -8.55 -4.23 | 197.07 -4.64 0.00 | 133.75 -0.27 0.00 | 93.42 0.92 0.00 | 74.52 2.59 0.00 |
| TEMPLE___115KV_TB 2 55572 | 59.26 0.12 0.00 | 56.31 -0.17 0.00 | 54.16 -0.27 0.00 | 49.20 -0.25 0.00 | 47.82 -0.34 0.00 | 51.15 -0.31 0.00 | 53.90 -0.11 0.00 | 57.06 0.06 0.00 | 61.46 0.24 0.00 | 64.54 0.45 0.00 | 74.06 1.02 0.00 | 87.48 1.55 0.00 | 114.72 1.70 0.00 | 140.55 1.80 0.00 | 164.67 1.95 0.00 | 172.40 1.88 0.00 | 232.00 1.61 0.00 | 264.39 1.84 0.00 | 262.53 2.08 0.00 | 240.18 2.61 0.00 | 204.12 2.42 0.00 | 136.03 2.01 0.00 | 93.79 1.29 0.00 | 72.87 0.94 0.00 |
| TIANA___69_KV_BK 1 55817 | 64.29 5.15 0.00 | 61.39 4.91 0.00 | 58.08 3.65 0.00 | 52.56 3.11 0.00 | 51.29 3.13 0.00 | 54.55 3.09 0.00 | 57.52 3.51 0.00 | 61.44 4.45 0.00 | 65.43 4.22 0.00 | 68.15 4.10 0.05 | 79.47 6.43 0.00 | 96.08 10.14 0.00 | 128.81 15.26 -0.53 | 159.52 20.12 -0.65 | 245.67 23.11 -59.84 | 268.93 24.90 -73.51 | 305.81 32.25 -43.17 | 366.82 35.97 -68.30 | 353.12 34.38 -58.29 | 307.31 28.51 -41.23 | 257.10 22.19 -33.21 | 168.32 16.08 -18.22 | 106.45 9.62 -4.34 | 79.90 6.40 -1.57 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|-------------------------|
| TILDEN___115KV_TB1 80814 | 59.32 0.18 0.00 | 56.42 -0.06 0.00 | 54.21 -0.22 0.00 | 49.25 -0.20 0.00 | 47.92 -0.24 0.00 | 51.25 -0.21 0.00 | 53.96 -0.05 0.00 | 57.17 0.17 0.00 | 61.58 0.37 0.00 | 64.61 0.51 0.00 | 74.13 1.10 0.00 | 87.57 1.63 0.00 | 114.83 1.81 0.00 | 140.69 1.94 0.00 | 164.83 2.12 0.00 | 172.57 2.05 0.00 | 232.69 2.30 0.00 | 265.18 2.63 0.00 | 263.31 2.86 0.00 | 240.90 3.33 0.00 | 204.93 3.23 0.00 | 136.43 2.41 0.00 | 94.07 1.57 0.00 | 73.08 1.15 0.00 |
| TRIGEN___CC 323695 | 63.52 4.38 0.00 | 60.66 4.18 0.00 | 57.70 3.27 0.00 | 52.36 2.92 0.00 | 51.14 2.99 0.00 | 54.39 2.93 0.00 | 57.41 3.40 0.00 | 61.16 4.16 0.00 | 65.07 3.86 0.00 | 67.87 3.78 0.01 | 78.44 5.40 0.00 | 94.12 8.16 -0.02 | 129.09 11.98 -4.09 | 157.16 15.82 -2.60 | 195.28 18.55 -14.02 | 249.58 20.12 -58.93 | 330.12 27.88 -71.86 | 381.86 30.98 -88.33 | 358.90 29.43 -69.02 | 312.60 25.42 -49.61 | 260.14 18.96 -39.48 | 166.70 11.93 -20.75 | 108.34 7.95 -7.90 | 89.42 5.47 -12.02 |
| TRINITY___115KV___4 BK 55933 | 60.97 1.83 0.00 | 57.89 1.41 0.00 | 55.74 1.31 0.00 | 50.58 1.14 0.00 | 49.36 1.20 0.00 | 52.64 1.18 0.00 | 55.14 1.13 0.00 | 58.31 1.31 0.00 | 62.56 1.35 0.00 | 65.44 1.35 0.00 | 74.78 1.75 0.01 | 88.08 2.15 0.00 | 116.53 3.50 0.00 | 133.48 4.86 10.12 | 141.86 6.18 27.04 | 178.64 6.99 -1.12 | 266.96 9.22 -27.35 | 315.26 10.24 -42.47 | 361.79 9.12 -92.23 | 375.42 7.84 -130.01 | 306.16 6.45 -98.00 | 201.88 4.02 -63.84 | 115.65 2.50 -20.66 | 73.73 1.80 0.00 |
| UNION___PROCESSING_DRP 323587 | 59.91 0.77 0.00 | 57.04 0.56 0.00 | 54.43 0.00 0.00 | 49.64 0.20 0.00 | 48.01 -0.14 0.00 | 51.36 -0.10 0.00 | 54.50 0.49 0.00 | 57.17 0.17 0.00 | 61.58 0.37 0.00 | 65.05 0.96 0.00 | 74.86 1.83 0.00 | 89.12 3.18 0.00 | 115.51 2.49 0.00 | 140.14 1.39 0.00 | 163.04 0.33 0.00 | 170.86 0.34 0.00 | 226.93 -3.46 0.00 | 259.66 -2.89 0.00 | 258.10 -2.34 0.00 | 237.10 -0.48 0.00 | 202.91 1.21 0.00 | 136.56 2.55 0.00 | 94.62 2.13 0.00 | 74.45 2.52 0.00 |
| UPPER HUDSON___HYD 24058 | 63.04 3.90 0.00 | 59.92 3.45 0.00 | 57.37 2.94 0.00 | 51.87 2.42 0.00 | 50.52 2.36 0.00 | 54.08 2.62 0.00 | 56.87 2.86 0.00 | 60.13 3.13 0.00 | 64.57 3.36 0.00 | 67.30 3.20 0.00 | 76.63 3.58 -0.01 | 90.49 4.55 0.00 | 119.69 6.67 0.00 | 157.34 8.61 -9.98 | 199.95 10.57 -26.66 | 289.56 11.76 -107.28 | 408.99 15.88 -162.72 | 476.95 18.64 -195.75 | 561.88 21.60 -279.83 | 550.45 19.71 -293.17 | 540.35 17.35 -321.29 | 352.12 11.26 -206.85 | 139.06 7.49 -39.07 | 76.75 4.82 0.00 |
| UPPER RAQUET___HYD 24056 | 57.78 -1.36 0.00 | 55.52 -0.96 0.00 | 53.61 -0.81 0.00 | 48.75 -0.69 0.00 | 47.44 -0.72 0.00 | 50.85 -0.62 0.00 | 53.20 -0.81 0.00 | 56.03 -0.97 0.00 | 60.05 -1.16 0.00 | 62.11 -1.99 0.00 | 70.11 -2.92 0.00 | 81.13 -4.81 0.00 | 106.02 -7.01 0.00 | 128.06 -10.68 0.01 | 148.37 -12.86 1.49 | 157.22 -13.30 0.00 | 213.80 -16.59 0.00 | 244.17 -18.39 0.00 | 243.00 -17.45 0.00 | 222.13 -15.44 0.00 | 188.60 -13.11 0.00 | 126.11 -7.91 0.00 | 88.70 -3.80 0.00 | 70.35 -1.58 0.00 |
| VALLEY44_115KV_TB2 355964 | 58.61 -0.53 0.00 | 55.63 -0.85 0.00 | 52.96 -1.47 0.00 | 48.41 -1.04 0.00 | 46.86 -1.30 0.00 | 50.12 -1.34 0.00 | 53.63 -0.38 0.00 | 56.20 -0.80 0.00 | 60.72 -0.49 0.00 | 63.71 -0.38 0.00 | 73.55 0.51 0.00 | 87.91 1.98 0.00 | 113.48 0.45 0.00 | 136.67 -2.08 0.00 | 158.65 -4.07 0.00 | 169.25 -4.43 -3.16 | 225.55 -10.37 -5.53 | 258.45 -11.03 -6.93 | 260.55 -9.38 -9.48 | 237.40 -5.70 -5.53 | 198.88 -2.82 0.00 | 134.02 0.00 0.00 | 93.51 1.02 0.00 | 73.66 1.73 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 59.73 0.59 0.00 | 56.87 0.40 0.00 | 54.81 0.38 0.00 | 49.74 0.30 0.00 | 48.49 0.34 0.00 | 51.87 0.41 0.00 | 54.50 0.49 0.00 | 57.63 0.63 0.00 | 61.95 0.73 0.00 | 64.86 0.77 0.00 | 74.13 1.10 0.00 | 87.23 1.29 0.00 | 114.61 1.58 0.00 | 140.42 1.67 0.00 | 164.86 1.63 -0.52 | 172.06 1.53 0.00 | 232.46 2.07 0.00 | 265.18 2.63 0.00 | 263.57 3.13 0.00 | 240.42 2.85 0.00 | 204.33 2.62 0.00 | 135.76 1.74 0.00 | 93.97 1.48 0.00 | 72.94 1.01 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 62.45 3.31 0.00 | 59.36 2.88 0.00 | 57.37 2.94 0.00 | 52.01 2.57 0.00 | 50.66 2.50 0.00 | 54.19 2.73 0.00 | 56.82 2.81 0.00 | 60.13 3.13 0.00 | 64.64 3.43 0.00 | 67.68 3.59 0.00 | 77.86 4.82 0.00 | 92.04 6.10 0.00 | 121.39 8.36 0.00 | 149.16 10.41 0.00 | 174.60 11.88 0.00 | 196.17 12.11 -13.54 | 270.67 16.59 -23.70 | 310.88 18.64 -29.68 | 323.61 18.49 -44.68 | 298.50 16.63 -44.30 | 253.19 14.32 -37.17 | 166.02 9.38 -22.62 | 104.14 6.38 -5.26 | 76.32 4.39 0.00 |
| VISCHER___FERRY HYD 24020 | 62.10 2.96 0.00 | 59.13 2.65 0.00 | 56.72 2.29 0.00 | 51.42 1.98 0.00 | 50.18 2.02 0.00 | 53.52 2.06 0.00 | 56.17 2.16 0.00 | 59.45 2.45 0.00 | 63.72 2.51 0.00 | 66.66 2.57 0.00 | 76.56 3.51 -0.02 | 90.15 4.21 0.00 | 119.12 6.10 0.00 | 165.11 7.90 -18.45 | 221.94 9.93 -49.30 | 313.48 10.75 -132.20 | 429.75 14.29 -185.07 | 495.46 16.02 -216.89 | 564.87 15.89 -288.53 | 523.53 14.01 -271.95 | 529.47 12.10 -315.67 | 351.61 7.91 -209.69 | 130.36 5.08 -32.78 | 75.38 3.45 0.00 |
| V_A_10_SYNC_DSASP 323832 | 59.08 -0.06 0.00 | 56.36 -0.11 0.00 | 53.67 -0.76 0.00 | 49.05 -0.40 0.00 | 47.29 -0.87 0.00 | 50.64 -0.82 0.00 | 53.90 -0.11 0.00 | 56.14 -0.85 0.00 | 60.48 -0.73 0.00 | 63.77 -0.32 0.00 | 73.40 0.37 0.00 | 87.57 1.63 0.00 | 112.80 -0.23 0.00 | 135.98 -2.78 0.00 | 157.84 -4.88 0.00 | 167.15 -5.63 -2.26 | 221.20 -13.13 -3.95 | 253.85 -13.65 -4.95 | 254.45 -12.76 -6.77 | 232.49 -9.03 -3.95 | 196.26 -5.45 0.00 | 133.08 -0.94 0.00 | 92.59 0.09 0.00 | 73.66 1.73 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 57.90 -1.24 0.00 | 55.69 -0.79 0.00 | 53.78 -0.65 0.00 | 48.95 -0.49 0.00 | 47.63 -0.53 0.00 | 50.95 -0.51 0.00 | 53.31 -0.70 0.00 | 56.08 -0.91 0.00 | 60.23 -0.98 0.00 | 62.87 -1.22 0.00 | 70.99 -2.04 0.00 | 82.67 -3.27 0.00 | 108.50 -4.52 0.00 | 132.78 -5.96 0.01 | 153.80 -6.99 1.93 | 163.37 -7.16 0.00 | 221.16 -9.22 0.00 | 252.31 -10.24 0.00 | 250.55 -9.90 0.00 | 228.54 -9.03 0.00 | 193.83 -7.87 0.00 | 128.79 -5.23 0.00 | 89.44 -3.05 0.00 | 70.71 -1.22 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 56.95 -2.19 0.00 | 54.89 -1.58 0.00 | 53.12 -1.31 0.00 | 48.40 -1.04 0.00 | 47.10 -1.06 0.00 | 50.43 -1.03 0.00 | 52.82 -1.19 0.00 | 55.86 -1.14 0.00 | 60.11 -1.10 0.00 | 62.62 -1.47 0.00 | 70.55 -2.48 0.00 | 82.07 -3.87 0.00 | 107.71 -5.31 0.00 | 132.22 -6.52 0.01 | 153.30 -7.48 1.94 | 163.02 -7.50 0.00 | 221.16 -9.22 0.00 | 252.31 -10.24 0.00 | 250.81 -9.63 0.00 | 229.49 -8.08 0.00 | 194.64 -7.07 0.00 | 129.32 -4.69 0.00 | 89.90 -2.59 0.00 | 71.21 -0.72 0.00 |
| V_D_10_SYNC_DSASP 323841 | 58.13 -1.01 0.00 | 55.91 -0.56 0.00 | 53.99 -0.44 0.00 | 49.15 -0.29 0.00 | 47.82 -0.33 0.00 | 51.20 -0.26 0.00 | 53.52 -0.49 0.00 | 56.37 -0.63 0.00 | 60.48 -0.73 0.00 | 63.00 -1.09 0.00 | 71.14 -1.90 0.00 | 82.76 -3.18 0.00 | 108.50 -4.52 0.00 | 132.09 -6.66 0.01 | 152.57 -8.29 1.86 | 162.00 -8.52 0.00 | 219.56 -10.82 0.00 | 250.74 -11.81 0.00 | 248.73 -11.72 0.00 | 227.12 -10.45 0.00 | 192.63 -9.07 0.00 | 128.12 -5.89 0.00 | 89.72 -2.77 0.00 | 71.07 -0.86 0.00 |
| V_E_10_SYNC_DSASP 323830 | 64.88 5.74 0.00 | 61.50 5.02 0.00 | 59.00 4.57 0.00 | 53.45 4.00 0.00 | 52.01 3.85 0.00 | 55.94 4.47 0.00 | 59.03 5.02 0.00 | 62.47 5.47 0.00 | 67.09 5.88 0.00 | 69.80 5.70 0.00 | 80.49 7.45 0.00 | 95.22 9.28 0.00 | 124.67 11.64 0.00 | 152.36 13.61 0.00 | 178.50 15.78 0.00 | 194.27 16.54 -7.21 | 266.75 23.74 -12.63 | 306.99 28.62 -15.82 | 314.41 30.46 -23.51 | 289.36 29.69 -22.09 | 245.00 26.21 -17.08 | 162.24 17.83 -10.39 | 107.02 12.11 -2.42 | 80.06 8.13 0.00 |

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| V_F_30_NSYNC___DSASP 323816 | 63.10 3.96 0.00 | 60.04 3.56 0.00 | 57.53 3.10 0.00 | 52.11 2.67 0.00 | 50.80 2.65 0.00 | 54.29 2.83 0.00 | 56.98 2.97 0.00 | 60.25 3.25 0.00 | 64.57 3.36 0.00 | 67.42 3.33 0.00 | 77.21 4.16 -0.01 | 91.09 5.16 0.00 | 120.37 7.34 0.00 | 159.26 9.44 -11.07 | 203.85 11.55 -29.58 | 293.69 12.62 -110.55 | 413.12 17.05 -165.68 | 480.84 19.70 -198.58 | 562.14 20.57 -281.12 | 546.98 18.76 -290.65 | 538.65 16.14 -320.81 | 351.97 10.58 -207.37 | 137.91 7.12 -38.30 | 76.68 4.75 0.00 |
| V_F_30_SYNC_DSASP 323786 | 61.27 2.13 0.00 | 58.17 1.69 0.00 | 56.06 1.63 0.00 | 50.83 1.38 0.00 | 49.55 1.40 0.00 | 52.90 1.44 0.00 | 55.41 1.40 0.00 | 58.59 1.60 0.00 | 62.92 1.71 0.00 | 65.82 1.73 0.00 | 75.23 2.19 0.00 | 88.60 2.66 0.00 | 117.21 4.18 0.00 | 146.87 5.83 -2.29 | 176.16 7.32 -6.12 | 236.25 8.19 -57.54 | 336.16 10.83 -94.94 | 391.45 11.81 -117.08 | 447.01 10.94 -175.62 | 436.08 9.27 -189.24 | 399.43 7.87 -189.86 | 264.23 4.82 -125.39 | 121.08 3.05 -25.54 | 74.16 2.23 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 56.95 -2.19 0.00 | 54.89 -1.58 0.00 | 53.12 -1.31 0.00 | 48.40 -1.04 0.00 | 47.10 -1.06 0.00 | 50.43 -1.03 0.00 | 52.82 -1.19 0.00 | 55.86 -1.14 0.00 | 60.11 -1.10 0.00 | 62.62 -1.47 0.00 | 70.55 -2.48 0.00 | 82.07 -3.87 0.00 | 107.71 -5.31 0.00 | 132.22 -6.52 0.01 | 153.30 -7.48 1.94 | 163.02 -7.50 0.00 | 221.16 -9.22 0.00 | 252.31 -10.24 0.00 | 250.81 -9.63 0.00 | 229.49 -8.08 0.00 | 194.64 -7.07 0.00 | 129.32 -4.69 0.00 | 89.90 -2.59 0.00 | 71.21 -0.72 0.00 |
| W.BABYLN_69_KV_BK1 56697 | 64.58 5.44 0.00 | 61.67 5.20 0.00 | 58.46 4.03 0.00 | 52.95 3.51 0.00 | 51.72 3.56 0.00 | 55.01 3.55 0.00 | 58.12 4.10 0.00 | 61.90 4.90 0.00 | 65.74 4.53 0.00 | 68.29 4.23 0.03 | 79.33 6.28 -0.01 | 95.48 9.54 -0.01 | 128.23 14.02 -1.19 | 158.45 18.73 -0.97 | 191.04 22.29 -6.03 | 231.01 24.04 -36.44 | 311.98 33.18 -48.42 | 358.77 37.02 -59.20 | 356.30 35.68 -60.17 | 310.40 30.17 -42.66 | 258.58 22.59 -34.28 | 167.41 14.74 -18.65 | 107.12 9.62 -5.00 | 82.15 6.69 -3.53 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 62.81 3.67 0.00 | 59.58 3.11 0.00 | 57.10 2.67 0.00 | 51.87 2.42 0.00 | 50.66 2.50 0.00 | 53.93 2.47 0.00 | 56.93 2.92 0.00 | 60.76 3.76 0.00 | 65.13 3.92 0.00 | 68.26 4.17 0.00 | 78.44 5.40 0.00 | 92.90 6.96 0.00 | 123.20 10.17 0.00 | 154.88 13.74 -2.39 | 185.38 16.27 -6.39 | 213.56 17.73 -25.30 | 293.32 24.65 -38.28 | 335.62 27.04 -46.02 | 347.52 25.52 -61.55 | 306.86 21.62 -47.67 | 256.39 17.14 -37.54 | 163.69 9.92 -19.76 | 102.64 6.47 -3.67 | 76.03 4.10 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 63.40 4.26 0.00 | 60.26 3.78 0.00 | 57.70 3.27 0.00 | 52.41 2.97 0.00 | 51.29 3.13 0.00 | 54.50 3.04 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.92 4.71 0.00 | 69.22 5.13 0.00 | 79.25 6.21 0.00 | 93.93 7.99 0.00 | 124.78 11.75 0.00 | 157.16 15.82 -2.60 | 188.20 18.55 -6.93 | 217.63 20.46 -26.64 | 298.60 28.11 -40.11 | 341.41 30.72 -48.14 | 353.55 28.91 -64.19 | 311.87 24.71 -49.59 | 260.53 19.36 -39.46 | 165.48 10.72 -20.75 | 103.14 6.84 -3.80 | 76.39 4.46 0.00 |
| W50THST__13_KV_LOAD 356117 | 63.81 4.67 0.00 | 60.66 4.18 0.00 | 58.08 3.65 0.00 | 52.76 3.31 0.00 | 51.58 3.42 0.00 | 54.86 3.40 0.00 | 58.12 4.10 0.00 | 62.19 5.19 0.00 | 66.54 5.33 0.00 | 69.86 5.77 0.00 | 79.72 6.94 0.25 | 93.88 8.85 0.91 | 125.60 12.88 0.31 | 155.59 17.21 0.37 | 189.99 20.34 -6.93 | 219.50 22.34 -26.64 | 301.14 30.64 -40.11 | 344.30 33.61 -48.14 | 350.08 31.25 -58.38 | 314.25 27.08 -49.59 | 262.55 21.38 -39.46 | 166.56 11.79 -20.75 | 103.79 7.49 -3.80 | 76.82 4.89 0.00 |
| WADING RIVER_IC_1 23522 | 63.40 4.26 0.00 | 60.82 4.35 0.00 | 57.48 3.05 0.00 | 51.87 2.42 0.00 | 50.61 2.45 0.00 | 53.98 2.52 0.00 | 56.76 2.75 0.00 | 60.93 3.93 0.00 | 64.57 3.36 0.00 | 66.86 2.82 0.05 | 78.01 4.97 0.00 | 93.93 7.99 0.00 | 126.21 12.66 -0.53 | 156.05 16.64 -0.66 | 240.70 19.68 -58.31 | 264.34 21.49 -72.33 | 299.56 26.03 -43.15 | 359.55 29.14 -67.86 | 346.33 27.59 -58.29 | 301.37 22.58 -41.22 | 251.86 16.95 -33.21 | 165.92 13.68 -18.23 | 104.13 7.31 -4.33 | 77.81 4.32 -1.56 |
| WADING RIVER_IC_2 23547 | 63.40 4.26 0.00 | 60.82 4.35 0.00 | 57.48 3.05 0.00 | 51.87 2.42 0.00 | 50.61 2.45 0.00 | 53.98 2.52 0.00 | 56.76 2.75 0.00 | 60.93 3.93 0.00 | 64.57 3.36 0.00 | 66.86 2.82 0.05 | 78.01 4.97 0.00 | 93.93 7.99 0.00 | 126.21 12.66 -0.53 | 156.05 16.64 -0.66 | 240.70 19.68 -58.31 | 264.34 21.49 -72.33 | 299.56 26.03 -43.15 | 359.55 29.14 -67.86 | 346.33 27.59 -58.29 | 301.37 22.58 -41.22 | 251.86 16.95 -33.21 | 165.92 13.68 -18.23 | 104.13 7.31 -4.33 | 77.81 4.32 -1.56 |
| WADING RIVER_IC_3 23601 | 63.40 4.26 0.00 | 60.82 4.35 0.00 | 57.48 3.05 0.00 | 51.87 2.42 0.00 | 50.61 2.45 0.00 | 53.98 2.52 0.00 | 56.76 2.75 0.00 | 60.93 3.93 0.00 | 64.57 3.36 0.00 | 66.86 2.82 0.05 | 78.01 4.97 0.00 | 93.93 7.99 0.00 | 126.21 12.66 -0.53 | 156.05 16.64 -0.66 | 240.70 19.68 -58.31 | 264.34 21.49 -72.33 | 299.56 26.03 -43.15 | 359.55 29.14 -67.86 | 346.33 27.59 -58.29 | 301.37 22.58 -41.22 | 251.86 16.95 -33.21 | 165.92 13.68 -18.23 | 104.13 7.31 -4.33 | 77.81 4.32 -1.56 |
| WALDENNY_12_KV_BK2 80841 | 59.91 0.77 0.00 | 56.98 0.51 0.00 | 54.05 -0.38 0.00 | 49.44 0.00 0.00 | 47.77 -0.39 0.00 | 51.10 -0.36 0.00 | 54.55 0.54 0.00 | 56.77 -0.23 0.00 | 61.33 0.12 0.00 | 64.61 0.51 0.00 | 74.57 1.53 0.00 | 89.29 3.35 0.00 | 114.95 1.92 0.00 | 138.06 -0.69 0.00 | 159.95 -2.77 0.00 | 169.89 -3.41 -2.78 | 224.88 -10.37 -4.86 | 257.88 -10.76 -6.09 | 259.40 -9.38 -8.33 | 236.97 -5.46 -4.86 | 199.49 -2.22 0.00 | 135.22 1.21 0.00 | 94.16 1.66 0.00 | 75.02 3.09 0.00 |
| WALDEN___HYDRO 24148 | 62.63 3.49 0.00 | 59.41 2.94 0.00 | 56.99 2.56 0.00 | 51.77 2.32 0.00 | 50.52 2.36 0.00 | 53.83 2.37 0.00 | 56.77 2.75 0.00 | 60.48 3.48 0.00 | 64.76 3.55 0.00 | 67.87 3.78 0.00 | 78.01 4.97 0.00 | 92.30 6.36 0.00 | 122.29 9.27 0.00 | 152.99 12.49 -1.76 | 182.05 14.64 -4.69 | 209.62 16.20 -22.90 | 288.63 22.58 -35.67 | 331.01 25.21 -43.26 | 343.40 23.96 -58.99 | 304.84 20.43 -46.84 | 253.54 16.54 -35.29 | 159.69 9.65 -16.02 | 102.51 6.29 -3.73 | 76.17 4.24 0.00 |
| WARRENSBURG____ 23737 | 63.10 3.96 0.00 | 59.86 3.39 0.00 | 57.37 2.94 0.00 | 51.87 2.42 0.00 | 50.52 2.36 0.00 | 54.09 2.62 0.00 | 56.87 2.86 0.00 | 60.13 3.13 0.00 | 64.58 3.37 0.00 | 67.30 3.20 0.00 | 76.63 3.58 -0.01 | 90.49 4.55 0.00 | 119.69 6.67 0.00 | 157.33 8.60 -9.98 | 199.79 10.41 -26.66 | 289.40 11.60 -107.28 | 409.00 15.90 -162.72 | 476.94 18.64 -195.75 | 561.89 21.62 -279.83 | 550.46 19.72 -293.17 | 540.34 17.35 -321.29 | 352.12 11.26 -206.85 | 139.06 7.49 -39.07 | 77.04 5.11 0.00 |
| WATERSIDE___6 8 9 23538 | 63.34 4.20 0.00 | 60.26 3.78 0.00 | 57.70 3.27 0.00 | 52.51 3.07 0.00 | 51.33 3.18 0.00 | 54.45 2.98 0.00 | 57.68 3.67 0.00 | 61.67 4.67 0.00 | 65.86 4.65 0.00 | 68.97 4.87 0.00 | 77.36 5.55 1.23 | 88.72 7.22 4.43 | 122.24 10.74 1.52 | 141.79 14.85 11.81 | 186.74 17.09 -6.93 | 216.27 19.10 -26.64 | 297.00 26.49 -40.11 | 339.32 28.62 -48.15 | 330.02 27.09 -42.49 | 309.74 22.57 -49.60 | 258.72 17.55 -39.47 | 164.27 9.52 -20.74 | 101.93 6.10 -3.33 | 75.53 3.81 0.22 |
| WATKINRD_115KV_LN8_ILLION 55919 | 59.67 0.53 0.00 | 56.87 0.40 0.00 | 54.81 0.38 0.00 | 49.74 0.30 0.00 | 48.49 0.34 0.00 | 51.82 0.36 0.00 | 54.44 0.43 0.00 | 57.51 0.51 0.00 | 61.82 0.61 0.00 | 64.67 0.58 0.00 | 73.91 0.88 0.00 | 87.05 1.12 0.00 | 114.49 1.47 0.00 | 140.42 1.67 0.00 | 165.03 1.79 -0.52 | 172.23 1.71 0.00 | 232.69 2.30 0.00 | 265.44 2.89 0.00 | 263.57 3.13 0.00 | 240.42 2.85 0.00 | 204.33 2.62 0.00 | 135.76 1.74 0.00 | 93.79 1.29 0.00 | 72.79 0.86 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|
| WDELAWARE___HYD 323627 | 62.63 3.49 0.00 | 59.47 2.99 0.00 | 57.04 2.61 0.00 | 51.72 2.28 0.00 | 50.47 2.31 0.00 | 53.88 2.42 0.00 | 56.76 2.75 0.00 | 60.42 3.42 0.00 | 64.76 3.55 0.00 | 67.74 3.65 0.00 | 77.86 4.82 0.00 | 91.98 6.19 0.15 | 121.26 9.15 0.92 | 150.05 12.21 0.91 | 176.83 14.48 0.37 | 201.49 16.02 -14.94 | 277.74 22.81 -24.54 | 322.19 25.75 -33.89 | 334.90 25.01 -49.45 | 301.84 21.62 -42.66 | 247.39 17.54 -28.14 | 161.60 10.46 -17.12 | 102.59 6.84 -3.25 | 76.03 4.10 0.00 |
| WEST BABYLON___IC 23714 | 64.58 5.44 0.00 | 61.67 5.20 0.00 | 58.46 4.03 0.00 | 52.95 3.51 0.00 | 51.72 3.56 0.00 | 55.01 3.55 0.00 | 58.12 4.10 0.00 | 61.90 4.90 0.00 | 65.74 4.53 0.00 | 68.29 4.23 0.03 | 79.33 6.28 -0.01 | 95.48 9.54 -0.01 | 128.23 14.02 -1.19 | 158.45 18.73 -0.97 | 191.04 22.29 -6.03 | 231.01 24.04 -36.44 | 311.98 37.02 -48.42 | 358.77 35.68 -59.20 | 356.30 30.17 -60.17 | 310.40 22.59 -42.66 | 258.58 14.74 -34.28 | 167.41 9.62 -18.65 | 107.12 6.69 -5.00 | 82.15 6.69 -3.53 |
| WEST CANADA___HYD 24049 | 59.61 0.47 0.00 | 56.82 0.34 0.00 | 54.76 0.33 0.00 | 49.74 0.30 0.00 | 48.45 0.29 0.00 | 51.77 0.31 0.00 | 54.34 0.33 0.00 | 57.40 0.40 0.00 | 61.64 0.43 0.00 | 64.54 0.45 0.00 | 73.69 0.66 0.00 | 86.88 0.95 0.00 | 114.39 1.36 0.00 | 140.42 1.67 0.00 | 165.35 2.11 -0.52 | 172.58 2.05 0.00 | 233.16 2.77 0.00 | 265.71 3.16 0.00 | 263.58 3.14 0.00 | 240.19 2.62 0.00 | 204.13 2.43 0.00 | 135.49 1.48 0.00 | 93.51 1.02 0.00 | 72.44 0.51 0.00 |
| WESTERN_NY_WIND 24143 | 60.91 1.77 0.00 | 57.94 1.47 0.00 | 54.81 0.38 0.00 | 50.09 0.64 0.00 | 48.49 0.34 0.00 | 51.92 0.46 0.00 | 55.09 1.08 0.00 | 57.51 0.51 0.00 | 61.95 0.73 0.00 | 65.44 1.35 0.00 | 75.30 2.26 0.00 | 89.89 3.95 0.00 | 114.38 1.36 0.00 | 137.92 -0.83 0.00 | 159.95 -2.77 0.00 | 169.48 -3.41 -2.37 | 224.62 -9.91 -4.14 | 258.02 -9.71 -5.19 | 259.47 -8.07 -7.10 | 237.20 -4.51 -4.14 | 200.49 -1.21 0.00 | 135.76 1.74 0.00 | 95.64 3.14 0.00 | 75.89 3.96 0.00 |
| WESTOVER___LESR 323668 | 60.26 1.12 0.00 | 57.21 0.73 0.00 | 55.03 0.60 0.00 | 50.09 0.64 0.00 | 48.69 0.53 0.00 | 52.08 0.62 0.00 | 54.87 0.86 0.00 | 58.08 1.08 0.00 | 62.50 1.29 0.00 | 65.50 1.41 0.00 | 75.23 2.19 0.00 | 89.12 3.18 0.00 | 116.53 3.50 0.00 | 142.50 3.75 0.00 | 166.62 3.91 0.00 | 180.15 3.75 -5.87 | 244.58 3.92 -10.28 | 280.15 4.73 -12.87 | 284.77 5.47 -18.86 | 260.33 6.18 -16.58 | 218.94 5.85 -11.38 | 145.37 4.42 -6.93 | 97.34 3.24 -1.61 | 74.38 2.45 0.00 |
| WETHRSFD_WT_PWR 323626 | 59.20 0.06 0.00 | 56.19 -0.28 0.00 | 53.50 -0.93 0.00 | 48.90 -0.54 0.00 | 47.34 -0.82 0.00 | 50.59 -0.88 0.00 | 54.01 0.00 0.00 | 56.20 -0.80 0.00 | 60.48 -0.73 0.00 | 63.58 -0.51 0.00 | 73.26 0.22 0.00 | 87.48 1.55 0.00 | 112.46 -0.56 0.00 | 135.83 -2.92 0.00 | 157.35 -5.37 0.00 | 166.70 -7.00 -3.17 | 223.27 -12.67 -5.55 | 256.39 -13.12 -6.95 | 259.03 -10.93 -9.52 | 237.67 -5.45 -5.55 | 199.69 -2.02 0.00 | 135.36 1.34 0.00 | 94.25 1.75 0.00 | 73.44 1.51 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 62.51 3.37 0.00 | 59.36 2.88 0.00 | 56.93 2.50 0.00 | 51.67 2.22 0.00 | 50.47 2.31 0.00 | 53.72 2.26 0.00 | 56.71 2.70 0.00 | 60.53 3.53 0.00 | 64.82 3.61 0.00 | 67.94 3.85 0.00 | 78.01 4.97 0.00 | 92.38 6.45 0.00 | 122.52 9.49 0.00 | 154.06 12.90 -2.40 | 184.27 15.13 -6.42 | 212.44 16.54 -25.38 | 291.81 23.04 -38.38 | 333.89 25.21 -46.14 | 346.10 23.96 -61.69 | 305.54 20.19 -47.78 | 255.29 15.93 -37.65 | 162.94 9.11 -19.81 | 102.09 5.92 -3.68 | 75.67 3.74 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 62.51 3.37 0.00 | 59.36 2.88 0.00 | 56.93 2.50 0.00 | 51.67 2.22 0.00 | 50.47 2.31 0.00 | 53.72 2.26 0.00 | 56.71 2.70 0.00 | 60.53 3.53 0.00 | 64.82 3.61 0.00 | 67.94 3.85 0.00 | 78.01 4.97 0.00 | 92.38 6.45 0.00 | 122.52 9.49 0.00 | 154.06 12.90 -2.40 | 184.27 15.13 -6.42 | 212.44 16.54 -25.38 | 291.81 23.04 -38.38 | 333.89 25.21 -46.14 | 346.10 23.96 -61.69 | 305.54 20.19 -47.78 | 255.29 15.93 -37.65 | 162.94 9.11 -19.81 | 102.09 5.92 -3.68 | 75.67 3.74 0.00 |
| WHITEHAL_115KV_TB1 80871 | 64.23 5.09 0.00 | 60.88 4.41 0.00 | 58.19 3.76 0.00 | 52.56 3.11 0.00 | 51.19 3.03 0.00 | 54.91 3.45 0.00 | 57.68 3.67 0.00 | 61.05 4.05 0.00 | 65.56 4.35 0.00 | 68.13 4.04 0.00 | 77.72 4.67 -0.01 | 91.87 5.93 0.00 | 121.61 8.59 0.00 | 160.28 11.10 -10.43 | 203.93 13.34 -27.87 | 294.00 14.84 -108.64 | 414.61 20.27 -163.95 | 483.90 24.42 -196.93 | 568.42 27.61 -280.37 | 555.11 25.42 -292.12 | 544.98 22.19 -321.09 | 355.55 14.47 -207.06 | 140.96 9.71 -38.75 | 78.55 6.62 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 63.81 4.67 0.00 | 60.49 4.01 0.00 | 57.97 3.54 0.00 | 52.66 3.21 0.00 | 51.43 3.27 0.00 | 54.75 3.29 0.00 | 57.90 3.89 0.00 | 61.90 4.90 0.00 | 66.41 5.20 0.00 | 69.67 5.58 0.00 | 80.05 7.01 0.00 | 94.87 8.94 0.00 | 125.91 12.88 0.00 | 158.40 17.07 -2.59 | 189.64 20.01 -6.91 | 218.93 21.83 -26.58 | 300.82 30.41 -40.02 | 344.20 33.61 -48.04 | 356.28 31.77 -64.06 | 314.39 27.32 -49.50 | 262.87 21.78 -39.38 | 167.59 12.87 -20.70 | 104.43 8.14 -3.80 | 77.40 5.47 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 63.93 4.79 0.00 | 61.05 4.57 0.00 | 57.80 3.37 0.00 | 52.36 2.92 0.00 | 51.10 2.94 0.00 | 54.34 2.88 0.00 | 57.36 3.35 0.00 | 61.16 4.16 0.00 | 64.94 3.73 0.00 | 67.44 3.40 0.05 | 78.45 5.40 0.00 | 94.70 8.77 0.00 | 126.90 13.34 -0.54 | 157.31 17.90 -0.66 | 250.97 20.83 -67.42 | 272.17 22.34 -79.31 | 302.89 29.26 -43.24 | 365.82 32.82 -70.45 | 350.28 31.51 -58.33 | 305.19 26.37 -41.25 | 255.31 20.37 -33.23 | 166.58 14.34 -18.23 | 105.53 8.69 -4.35 | 79.21 5.68 -1.60 |
| WOODARD___115KV_TB2 355635 | 59.02 -0.12 0.00 | 56.14 -0.34 0.00 | 53.99 -0.44 0.00 | 49.05 -0.40 0.00 | 47.72 -0.43 0.00 | 51.05 -0.41 0.00 | 53.74 -0.27 0.00 | 56.89 -0.11 0.00 | 61.21 0.00 0.00 | 64.29 0.19 0.00 | 73.70 0.66 0.00 | 87.05 1.12 0.00 | 114.15 1.13 0.00 | 139.86 1.11 0.00 | 163.86 1.14 0.00 | 171.72 1.19 0.00 | 231.31 0.92 0.00 | 263.60 1.05 0.00 | 261.75 1.30 0.00 | 239.47 1.90 0.00 | 203.52 1.82 0.00 | 135.49 1.47 0.00 | 93.51 1.02 0.00 | 72.65 0.72 0.00 |
| WOODMERE_69_KV_BK1 55827 | 64.64 5.50 0.00 | 61.62 5.14 0.00 | 58.57 4.14 0.00 | 53.05 3.61 0.00 | 51.82 3.66 0.00 | 55.06 3.60 0.00 | 58.17 4.16 0.00 | 62.01 5.02 0.00 | 65.98 4.77 0.00 | 68.96 4.87 0.01 | 79.98 6.94 0.00 | 96.13 10.14 -0.06 | 137.23 14.69 -9.51 | 162.95 19.15 -5.05 | 212.52 21.97 -27.83 | 295.31 23.87 -100.91 | 377.45 31.79 -115.27 | 426.82 35.44 -128.83 | 378.17 34.12 -83.61 | 327.14 29.46 -60.11 | 272.22 23.20 -47.32 | 173.10 15.14 -23.94 | 115.78 10.27 -13.02 | 106.18 7.19 -27.06 |
| YORK___WARBASSE 23770 | 63.58 4.44 0.00 | 60.49 4.01 0.00 | 57.86 3.43 0.00 | 52.76 3.31 0.00 | 51.63 3.47 -0.01 | 54.55 3.09 0.00 | 57.79 3.78 0.00 | 61.90 4.90 0.00 | 66.23 5.02 0.00 | 69.41 5.32 0.00 | 81.09 5.77 -2.29 | 101.55 7.39 -8.22 | 126.80 10.96 -2.82 | 183.03 14.99 -29.30 | 187.71 18.06 -6.93 | 217.46 20.29 -26.64 | 298.39 27.88 -40.12 | 341.17 30.46 -48.16 | 411.55 27.61 -123.50 | 311.41 24.23 -49.61 | 260.13 18.96 -39.47 | 165.08 10.32 -20.74 | 102.96 6.66 -3.81 | 76.18 4.24 -0.01 |