

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

03/24/2025

| Name | PTID | 00:00 EDT | 01:00 EDT | 02:00 EDT | 03:00 EDT | 04:00 EDT | 05:00 EDT | 06:00 EDT | 07:00 EDT | 08:00 EDT | 09:00 EDT | 10:00 EDT | 11:00 EDT | 12:00 EDT | 13:00 EDT | 14:00 EDT | 15:00 EDT | 16:00 EDT | 17:00 EDT | 18:00 EDT | 19:00 EDT | 20:00 EDT | 21:00 EDT | 22:00 EDT | 23:00 EDT |
|-------------------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|
| 59TH STREET_GT_1 24138 | | 51.01 2.29 0.00 | 38.76 1.70 0.00 | 34.75 1.63 0.00 | 31.80 1.53 0.00 | 35.22 1.66 0.00 | 40.17 1.90 0.00 | 49.28 2.66 0.00 | 81.88 5.06 0.00 | 96.79 5.93 0.00 | 162.17 10.38 0.00 | 127.49 8.14 0.00 | 68.88 4.52 0.00 | 66.02 4.36 0.00 | 60.40 4.22 0.00 | 68.64 4.94 0.00 | 74.67 5.36 0.00 | 69.12 4.84 0.00 | 67.08 4.37 0.00 | 62.04 3.85 0.00 | 90.70 5.42 0.00 | 65.24 4.06 0.00 | 49.46 2.98 0.00 | 45.03 2.46 0.00 | 44.90 2.25 0.00 |
| 74TH STREET_GT_1 24260 | | 51.05 2.32 0.00 | 38.79 1.73 0.00 | 34.76 1.64 0.00 | 31.81 1.53 0.00 | 35.22 1.66 0.00 | 40.17 1.90 0.00 | 49.26 2.64 0.00 | 81.84 5.03 0.00 | 96.63 5.77 0.00 | 161.90 10.11 0.00 | 127.27 7.93 0.00 | 68.76 4.40 0.00 | 65.92 4.26 0.00 | 60.29 4.11 0.00 | 68.55 4.85 0.00 | 74.53 5.23 0.00 | 69.04 4.75 0.00 | 66.99 4.28 0.00 | 61.98 3.79 0.00 | 90.63 5.35 0.00 | 65.21 4.03 0.00 | 49.43 2.95 0.00 | 45.00 2.44 0.00 | 44.91 2.26 0.00 |
| 74TH STREET_GT_2 24261 | | 51.05 2.32 0.00 | 38.79 1.73 0.00 | 34.76 1.64 0.00 | 31.81 1.53 0.00 | 35.22 1.66 0.00 | 40.17 1.90 0.00 | 49.26 2.64 0.00 | 81.84 5.03 0.00 | 96.63 5.77 0.00 | 161.90 10.11 0.00 | 127.27 7.93 0.00 | 68.76 4.40 0.00 | 65.92 4.26 0.00 | 60.29 4.11 0.00 | 68.55 4.85 0.00 | 74.53 5.23 0.00 | 69.04 4.75 0.00 | 66.99 4.28 0.00 | 61.98 3.79 0.00 | 90.63 5.35 0.00 | 65.21 4.03 0.00 | 49.43 2.95 0.00 | 45.00 2.44 0.00 | 44.91 2.26 0.00 |
| ADK HUDSON___FALLS 24011 | | 51.91 3.19 0.00 | 39.45 2.39 0.00 | 35.28 2.15 0.00 | 32.14 1.86 0.00 | 35.46 1.90 0.00 | 40.17 1.90 0.00 | 48.87 2.26 0.00 | 80.99 4.18 0.00 | 96.19 5.33 0.00 | 160.43 8.63 0.00 | 125.82 6.48 0.00 | 67.89 3.53 0.00 | 65.09 3.43 0.00 | 59.34 3.16 0.00 | 67.33 3.63 0.00 | 73.16 3.86 0.00 | 67.58 3.30 0.00 | 66.11 3.40 0.00 | 61.49 3.31 0.00 | 89.94 4.67 0.00 | 64.29 3.11 0.00 | 48.65 2.18 0.00 | 44.63 2.07 0.00 | 45.26 2.61 0.00 |
| ADK RESOURCE___RCVRY 23798 | | 52.28 3.55 0.00 | 39.73 2.67 0.00 | 35.50 2.38 0.00 | 32.35 2.08 0.00 | 35.70 2.15 0.00 | 40.44 2.17 0.00 | 49.17 2.55 0.00 | 81.47 4.66 0.00 | 96.87 6.01 0.00 | 161.38 9.59 0.00 | 126.53 7.19 0.00 | 68.27 3.92 0.00 | 65.48 3.82 0.00 | 59.72 3.55 0.00 | 67.75 4.04 0.00 | 73.60 4.30 0.00 | 67.98 3.70 0.00 | 66.58 3.87 0.00 | 61.94 3.75 0.00 | 90.60 5.32 0.00 | 64.65 3.47 0.00 | 48.86 2.38 0.00 | 44.90 2.34 0.00 | 45.53 2.88 0.00 |
| ADK S GLENS___FALLS 24028 | | 51.91 3.19 0.00 | 39.45 2.39 0.00 | 35.28 2.15 0.00 | 32.14 1.86 0.00 | 35.46 1.90 0.00 | 40.17 1.90 0.00 | 48.87 2.26 0.00 | 80.99 4.18 0.00 | 96.19 5.33 0.00 | 160.43 8.63 0.00 | 125.82 6.48 0.00 | 67.89 3.53 0.00 | 65.09 3.43 0.00 | 59.34 3.16 0.00 | 67.33 3.63 0.00 | 73.16 3.86 0.00 | 67.58 3.30 0.00 | 66.11 3.40 0.00 | 61.49 3.31 0.00 | 89.94 4.67 0.00 | 64.29 3.11 0.00 | 48.65 2.18 0.00 | 44.63 2.07 0.00 | 45.26 2.61 0.00 |
| ADK_NYS___DAM 23527 | | 50.96 2.23 0.00 | 38.85 1.79 0.00 | 34.81 1.69 0.00 | 31.87 1.59 0.00 | 35.23 1.68 0.00 | 40.00 1.73 0.00 | 48.72 2.10 0.00 | 80.71 3.90 0.00 | 95.64 4.78 0.00 | 159.02 7.22 0.00 | 125.54 6.20 0.00 | 67.86 3.50 0.00 | 65.08 3.42 0.00 | 59.48 3.31 0.00 | 67.60 3.90 0.00 | 73.40 4.09 0.00 | 67.80 3.51 0.00 | 66.00 3.29 0.00 | 61.33 3.14 0.00 | 89.53 4.26 0.00 | 64.27 3.09 0.00 | 48.73 2.25 0.00 | 44.73 2.17 0.00 | 44.99 2.34 0.00 |
| AIR_PRODUCTS___DRP 24190 | | 49.27 0.55 0.00 | 37.56 0.50 0.00 | 33.65 0.53 0.00 | 30.85 0.58 0.00 | 34.06 0.51 0.00 | 38.75 0.48 0.00 | 47.29 0.67 0.00 | 78.35 1.53 0.00 | 92.68 1.83 0.00 | 154.75 2.96 0.00 | 122.01 2.67 0.00 | 65.88 1.52 0.00 | 63.15 1.49 0.00 | 57.61 1.43 0.00 | 65.39 1.69 0.00 | 71.00 1.69 0.00 | 65.76 1.47 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.89 1.61 0.00 | 62.39 1.21 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.81 0.00 |
| AKWESSNE_115KV_BK 355683 | | 49.27 0.54 0.00 | 37.45 0.39 0.00 | 33.39 0.27 0.00 | 30.43 0.15 0.00 | 33.76 0.20 0.00 | 38.60 0.33 0.00 | 47.01 0.39 0.00 | 77.24 0.43 0.00 | 91.17 0.32 0.00 | 152.18 0.38 0.00 | 119.71 0.37 0.00 | 64.47 0.11 0.00 | 61.76 0.10 0.00 | 56.23 0.06 0.00 | 63.79 0.09 0.00 | 69.41 0.11 0.00 | 64.54 0.25 0.00 | 63.08 0.37 0.00 | 58.50 0.31 0.00 | 85.64 0.50 0.14 | 61.23 0.06 0.00 | 46.44 -0.04 0.00 | 42.52 -0.04 0.00 | 42.70 0.05 0.00 |
| ALBANY_1_SOLAR 323833 | | 50.10 1.37 0.00 | 38.17 1.11 0.00 | 34.17 1.05 0.00 | 31.31 1.03 0.00 | 34.62 1.07 0.00 | 39.42 1.15 0.00 | 48.12 1.50 0.00 | 79.66 2.85 0.00 | 94.23 3.37 0.00 | 157.32 5.52 0.00 | 123.89 4.54 0.00 | 66.89 2.53 0.00 | 64.07 2.41 0.00 | 58.34 2.16 0.00 | 66.13 2.44 0.00 | 71.91 2.61 0.00 | 66.60 2.32 0.00 | 64.88 2.18 0.00 | 60.31 2.12 0.00 | 88.25 2.98 0.00 | 63.34 2.16 0.00 | 48.07 1.59 0.00 | 43.99 1.42 0.00 | 44.10 1.45 0.00 |
| ALBANY_2_SOLAR 323834 | | 50.08 1.36 0.00 | 38.16 1.10 0.00 | 34.16 1.04 0.00 | 31.30 1.02 0.00 | 34.62 1.07 0.00 | 39.41 1.14 0.00 | 48.10 1.48 0.00 | 79.61 2.80 0.00 | 94.22 3.36 0.00 | 157.31 5.51 0.00 | 123.87 4.53 0.00 | 66.86 2.50 0.00 | 64.05 2.39 0.00 | 58.32 2.14 0.00 | 66.12 2.42 0.00 | 71.89 2.58 0.00 | 66.59 2.30 0.00 | 64.85 2.14 0.00 | 60.30 2.11 0.00 | 88.20 2.93 0.00 | 63.31 2.13 0.00 | 48.05 1.57 0.00 | 43.97 1.41 0.00 | 44.08 1.43 0.00 |
| ALBANY___1 23571 | | 49.27 0.55 0.00 | 37.56 0.50 0.00 | 33.65 0.53 0.00 | 30.85 0.58 0.00 | 34.06 0.51 0.00 | 38.75 0.48 0.00 | 47.29 0.67 0.00 | 78.35 1.53 0.00 | 92.68 1.83 0.00 | 154.75 2.96 0.00 | 122.01 2.67 0.00 | 65.88 1.52 0.00 | 63.15 1.49 0.00 | 57.61 1.43 0.00 | 65.39 1.69 0.00 | 71.00 1.69 0.00 | 65.76 1.47 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.89 1.61 0.00 | 62.39 1.21 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.81 0.00 |

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|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|
| ALBANY___2 23572 | 49.27 0.55 0.00 | 37.56 0.50 0.00 | 33.65 0.53 0.00 | 30.85 0.58 0.00 | 34.06 0.51 0.00 | 38.75 0.48 0.00 | 47.29 0.67 0.00 | 78.35 1.53 0.00 | 92.68 1.83 0.00 | 154.75 2.96 0.00 | 122.01 2.67 0.00 | 65.88 1.52 0.00 | 63.15 1.49 0.00 | 57.61 1.43 0.00 | 65.39 1.69 0.00 | 71.00 1.69 0.00 | 65.76 1.47 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.89 1.61 0.00 | 62.39 1.21 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.81 0.00 |
| ALBANY___3 23573 | 49.27 0.55 0.00 | 37.56 0.50 0.00 | 33.65 0.53 0.00 | 30.85 0.58 0.00 | 34.06 0.51 0.00 | 38.75 0.48 0.00 | 47.29 0.67 0.00 | 78.35 1.53 0.00 | 92.68 1.83 0.00 | 154.75 2.96 0.00 | 122.01 2.67 0.00 | 65.88 1.52 0.00 | 63.15 1.49 0.00 | 57.61 1.43 0.00 | 65.39 1.69 0.00 | 71.00 1.69 0.00 | 65.76 1.47 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.89 1.61 0.00 | 62.39 1.21 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.81 0.00 |
| ALBANY___4 23574 | 49.27 0.55 0.00 | 37.56 0.50 0.00 | 33.65 0.53 0.00 | 30.85 0.58 0.00 | 34.06 0.51 0.00 | 38.75 0.48 0.00 | 47.29 0.67 0.00 | 78.35 1.53 0.00 | 92.68 1.83 0.00 | 154.75 2.96 0.00 | 122.01 2.67 0.00 | 65.88 1.52 0.00 | 63.15 1.49 0.00 | 57.61 1.43 0.00 | 65.39 1.69 0.00 | 71.00 1.69 0.00 | 65.76 1.47 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.89 1.61 0.00 | 62.39 1.21 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.81 0.00 |
| ALBANY___LFGE 323615 | 49.70 0.97 0.00 | 37.88 0.82 0.00 | 33.93 0.81 0.00 | 31.09 0.81 0.00 | 34.34 0.79 0.00 | 39.09 0.82 0.00 | 47.71 1.09 0.00 | 79.06 2.25 0.00 | 93.59 2.73 0.00 | 156.25 4.46 0.00 | 123.21 3.86 0.00 | 66.53 2.17 0.00 | 63.77 2.11 0.00 | 58.17 2.00 0.00 | 66.02 2.32 0.00 | 71.69 2.39 0.00 | 66.36 2.08 0.00 | 64.67 1.96 0.00 | 60.05 1.86 0.00 | 87.72 2.44 0.00 | 62.95 1.77 0.00 | 47.77 1.29 0.00 | 43.71 1.15 0.00 | 43.84 1.19 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 49.40 0.67 0.00 | 37.53 0.47 0.00 | 33.46 0.34 0.00 | 30.49 0.21 0.00 | 33.82 0.27 0.00 | 38.70 0.43 0.00 | 47.17 0.55 0.00 | 77.76 0.94 0.00 | 91.73 0.87 0.00 | 157.95 1.28 -4.88 | 128.68 0.98 -8.36 | 69.95 0.37 -5.22 | 63.65 0.28 -1.71 | 56.36 0.18 0.00 | 64.01 0.30 0.00 | 69.72 0.41 0.00 | 64.89 0.61 0.00 | 63.36 0.65 0.00 | 58.76 0.57 0.00 | 87.58 0.99 -1.32 | 61.55 0.37 0.00 | 46.67 0.17 -0.02 | 46.57 0.14 -3.87 | 45.13 0.21 -2.26 |
| ALCOA_RYNLDS___DRP 24188 | 49.40 0.67 0.00 | 37.53 0.47 0.00 | 33.46 0.34 0.00 | 30.49 0.21 0.00 | 33.82 0.27 0.00 | 38.70 0.43 0.00 | 47.17 0.55 0.00 | 77.76 0.94 0.00 | 91.73 0.87 0.00 | 157.95 1.28 -4.88 | 128.68 0.98 -8.36 | 69.95 0.37 -5.22 | 63.65 0.28 -1.71 | 56.36 0.18 0.00 | 64.01 0.30 0.00 | 69.72 0.41 0.00 | 64.89 0.61 0.00 | 63.36 0.65 0.00 | 58.76 0.57 0.00 | 87.58 0.99 -1.32 | 61.55 0.37 0.00 | 46.67 0.17 -0.02 | 46.57 0.14 -3.87 | 45.13 0.21 -2.26 |
| ALCOA___DSASP 323711 | 49.40 0.67 0.00 | 37.53 0.47 0.00 | 33.46 0.34 0.00 | 30.48 0.21 0.00 | 33.82 0.27 0.00 | 38.70 0.43 0.00 | 47.17 0.55 0.00 | 77.76 0.94 0.00 | 91.73 0.87 0.00 | 157.94 1.26 -4.88 | 128.66 0.96 -8.36 | 69.94 0.37 -5.22 | 63.65 0.28 -1.71 | 56.36 0.18 0.00 | 64.01 0.31 0.00 | 69.72 0.41 0.00 | 64.89 0.61 0.00 | 63.36 0.65 0.00 | 58.76 0.57 0.00 | 87.58 0.99 -1.32 | 61.55 0.37 0.00 | 46.67 0.17 -0.02 | 46.57 0.14 -3.87 | 45.13 0.21 -2.26 |
| ALLEGHENY___COGEN 23514 | 73.58 -1.53 -26.39 | 64.25 -1.31 -28.50 | 58.69 -1.33 -26.90 | 57.00 -1.19 -27.92 | 62.22 -1.07 -29.74 | 59.35 -0.92 -22.00 | 81.66 -0.85 -35.89 | 128.47 -1.86 -53.52 | 147.17 -2.39 -58.71 | 225.57 -6.61 -80.39 | 158.11 -6.82 -45.59 | 94.13 -4.07 -33.84 | 84.61 -4.21 -27.15 | 65.18 -3.95 -12.96 | 92.51 -4.90 -33.71 | 99.26 -5.32 -35.28 | 94.19 -4.93 -34.83 | 65.11 -4.32 -6.73 | 63.05 -3.30 -8.16 | 110.66 -2.50 -27.89 | 103.30 -1.26 -43.38 | 64.09 -1.23 -18.84 | 75.69 -1.03 -34.16 | 76.04 -1.34 -34.73 |
| ALTAMONT_115KV_TB 2 55880 | 49.62 0.89 0.00 | 37.79 0.73 0.00 | 33.83 0.70 0.00 | 30.97 0.69 0.00 | 34.26 0.70 0.00 | 39.00 0.73 0.00 | 47.58 0.96 0.00 | 78.82 2.01 0.00 | 93.25 2.39 0.00 | 155.80 4.00 0.00 | 122.67 3.33 0.00 | 66.23 1.87 0.00 | 63.46 1.80 0.00 | 57.86 1.68 0.00 | 65.67 1.97 0.00 | 71.34 2.04 0.00 | 66.08 1.79 0.00 | 64.35 1.64 0.00 | 59.74 1.55 0.00 | 87.39 2.12 0.00 | 62.76 1.58 0.00 | 47.65 1.17 0.00 | 43.60 1.04 0.00 | 43.71 1.06 0.00 |
| ALTONA_WT_PWR 323606 | 49.81 1.08 0.00 | 37.48 0.42 0.00 | 33.45 0.33 0.00 | 30.20 -0.08 0.00 | 33.21 -0.34 0.00 | 37.66 -0.61 0.00 | 45.63 -0.99 0.00 | 74.75 -2.06 0.00 | 88.19 -2.67 0.00 | 68.24 -5.33 78.22 | -18.36 -3.71 134.00 | -20.84 -1.59 83.61 | 32.35 -1.97 27.34 | 54.79 -1.38 0.00 | 62.30 -1.40 0.00 | 68.13 -1.18 0.00 | 64.05 -0.24 0.00 | 63.68 0.97 0.00 | 59.26 1.07 0.00 | 87.89 2.06 -0.55 | 60.69 -0.49 0.00 | 44.94 -1.14 0.40 | -20.79 -1.30 62.06 | 4.76 -1.63 36.27 |
| AMERICAN_REF_FUEL 24010 | 37.84 -5.00 5.88 | 26.42 -3.89 6.75 | 23.22 -3.56 6.34 | 20.69 -3.36 6.23 | 23.48 -3.45 6.63 | 29.92 -3.43 4.91 | 33.80 -4.72 8.09 | 54.98 -9.35 12.48 | 66.38 -10.69 13.79 | 116.18 -16.72 18.89 | 87.25 -13.85 18.24 | 45.64 -7.71 11.01 | 41.65 -7.34 12.67 | 34.47 -6.71 14.99 | 38.38 -7.99 17.33 | 38.61 -8.59 22.10 | 37.79 -8.04 18.46 | 34.25 -7.55 20.91 | 31.10 -7.13 19.96 | 42.68 -10.58 32.01 | 41.46 -7.04 12.67 | 27.16 -5.22 14.10 | 29.91 -4.40 8.25 | 29.92 -4.55 8.18 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 41.40 -4.77 2.56 | 29.87 -4.02 3.17 | 26.42 -3.75 2.96 | 24.16 -3.42 2.70 | 27.42 -3.26 2.88 | 33.34 -2.79 2.14 | 39.26 -3.77 3.60 | 65.55 -5.56 5.70 | 79.44 -5.11 6.30 | 135.41 -7.75 8.63 | 97.74 -9.08 12.53 | 51.55 -6.26 6.54 | 46.83 -5.93 8.91 | 37.88 -5.53 12.77 | 45.38 -6.71 11.61 | 47.36 -7.11 14.83 | 45.27 -6.97 12.05 | 36.04 -6.91 19.76 | 33.01 -6.54 18.64 | 51.70 -9.14 24.43 | 48.35 -5.91 6.93 | 29.92 -4.71 11.85 | 35.04 -3.65 3.87 | 35.03 -3.90 3.72 |
| ARTHUR KILL_GT_1 23520 | 56.95 2.38 -5.84 | 56.23 1.84 -17.33 | 55.69 1.76 -20.81 | 54.96 1.66 -23.02 | 55.71 1.79 -20.37 | 56.34 2.00 -16.07 | 57.09 2.68 -7.79 | 90.71 4.82 -9.07 | 111.67 5.46 -15.36 | 163.31 9.31 -2.21 | 133.41 7.30 -6.76 | 97.15 4.03 -28.76 | 97.19 3.94 -31.58 | 95.63 3.85 -35.61 | 96.02 4.51 -27.81 | 97.44 4.76 -23.38 | 98.36 4.47 -29.60 | 97.32 3.98 -30.63 | 97.54 3.65 -35.69 | 101.74 5.20 -11.27 | 97.58 3.95 -32.44 | 97.50 2.96 -48.06 | 77.72 2.45 -32.70 | 57.40 2.34 -12.40 |
| ARTHUR_KILL_2 23512 | 56.83 2.26 -5.84 | 56.13 1.74 -17.33 | 55.62 1.68 -20.81 | 54.88 1.58 -23.02 | 55.62 1.70 -20.37 | 56.23 1.90 -16.07 | 56.96 2.54 -7.79 | 90.48 4.59 -9.07 | 111.39 5.18 -15.36 | 162.84 8.84 -2.21 | 133.05 6.94 -6.76 | 96.96 3.84 -28.76 | 97.00 3.76 -31.58 | 95.47 3.68 -35.61 | 95.83 4.32 -27.81 | 97.24 4.55 -23.38 | 98.17 4.28 -29.60 | 97.15 3.80 -30.63 | 97.37 3.48 -35.69 | 101.49 4.94 -11.27 | 97.38 3.77 -32.44 | 97.36 2.82 -48.06 | 77.60 2.33 -32.70 | 57.28 2.23 -12.40 |
| ARTHUR_KILL_3 23513 | 56.24 1.68 -5.84 | 55.64 1.26 -17.32 | 55.14 1.21 -20.81 | 54.43 1.14 -23.01 | 55.15 1.23 -20.36 | 55.74 1.41 -16.06 | 56.41 1.99 -7.80 | 86.03 3.97 -5.24 | 92.20 4.39 3.05 | 156.44 7.71 3.07 | 132.23 6.13 -6.76 | 96.55 3.43 -28.76 | 96.56 3.32 -31.58 | 95.08 3.30 -35.61 | 95.40 3.90 -27.80 | 96.90 4.22 -23.37 | 89.36 3.82 -21.26 | 83.89 3.37 -17.81 | 61.13 2.94 0.00 | 89.41 4.14 0.00 | 79.87 3.16 -15.53 | 93.86 2.32 -45.06 | 77.12 1.86 -32.69 | 56.75 1.70 -12.39 |

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| ARTHUR_KILL_COGEN 323718 | 56.95 2.38 -5.84 | 56.23 1.84 -17.33 | 55.69 1.76 -20.81 | 54.96 1.66 -23.02 | 55.71 1.79 -20.37 | 56.34 2.00 -16.07 | 57.09 2.68 -7.79 | 90.71 4.82 -9.07 | 111.67 5.46 -15.36 | 163.31 9.31 -2.21 | 133.41 7.30 -6.76 | 97.15 4.03 -28.76 | 97.19 3.94 -31.58 | 95.63 3.85 -35.61 | 96.02 4.51 -27.81 | 97.44 4.76 -23.38 | 98.36 4.47 -29.60 | 97.32 3.98 -30.63 | 97.54 3.65 -35.69 | 101.74 5.20 -11.27 | 97.58 3.95 -32.44 | 97.50 2.96 -48.06 | 77.72 2.45 -32.70 | 57.40 2.34 -12.40 |
| ASHOKAN____ 23654 | 51.35 2.62 0.00 | 39.03 1.97 0.00 | 34.92 1.80 0.00 | 31.96 1.68 0.00 | 35.42 1.87 0.00 | 40.44 2.17 0.00 | 49.59 2.97 0.00 | 82.06 5.25 0.00 | 97.33 6.47 0.00 | 162.85 11.06 0.00 | 128.26 8.92 0.00 | 69.26 4.90 0.00 | 66.32 4.66 0.00 | 60.40 4.22 0.00 | 68.41 4.71 0.00 | 74.32 5.02 0.00 | 68.88 4.60 0.00 | 66.78 4.07 0.00 | 62.21 4.02 0.00 | 91.13 5.85 0.00 | 65.45 4.27 0.00 | 49.54 3.06 0.00 | 45.18 2.61 0.00 | 45.10 2.45 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 50.53 1.80 0.00 | 38.47 1.41 0.00 | 34.50 1.37 0.00 | 31.52 1.24 -0.01 | 34.91 1.35 0.00 | 39.80 1.53 0.00 | 48.79 2.16 0.00 | 81.20 4.38 -0.01 | 95.95 5.07 -0.02 | 160.60 8.82 0.01 | 126.10 6.77 0.00 | 68.25 3.88 0.00 | 65.34 3.68 0.00 | 59.79 3.61 -0.01 | 67.96 4.25 -0.01 | 73.89 4.59 0.00 | 68.42 4.14 0.00 | 66.39 3.69 0.00 | 61.46 3.27 0.00 | 89.87 4.59 0.00 | 64.69 3.51 0.00 | 49.12 2.64 -0.01 | 44.71 2.15 0.00 | 44.58 1.92 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 50.53 1.80 0.00 | 38.47 1.41 0.00 | 34.50 1.37 0.00 | 31.52 1.24 -0.01 | 34.91 1.35 0.00 | 39.80 1.53 0.00 | 48.79 2.16 0.00 | 81.20 4.38 -0.01 | 95.95 5.07 -0.02 | 160.60 8.82 0.01 | 126.10 6.77 0.00 | 68.24 3.88 0.00 | 65.34 3.68 0.00 | 59.79 3.61 -0.01 | 67.96 4.25 -0.01 | 73.89 4.59 0.00 | 68.42 4.14 0.00 | 66.39 3.69 0.00 | 61.46 3.27 0.00 | 89.87 4.59 0.00 | 64.69 3.51 0.00 | 49.12 2.64 -0.01 | 44.71 2.15 0.00 | 44.58 1.92 -0.01 |
| ASTORIA_GT2_1 24094 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT2_2 24095 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT2_3 24096 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT2_4 24097 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT3_1 24098 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT3_2 24099 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT3_3 24100 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT3_4 24101 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT4_1 24102 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT4_2 24103 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT4_3 24104 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |

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| ASTORIA_GT4_4 24105 | 50.59 1.86 0.00 | 38.48 1.42 0.00 | 34.54 1.41 0.00 | 31.55 1.26 -0.01 | 34.94 1.38 0.00 | 39.83 1.56 0.00 | 48.83 2.20 0.00 | 81.25 4.43 -0.01 | 96.02 5.14 -0.02 | 160.78 8.98 0.00 | 126.20 6.86 0.00 | 68.27 3.91 0.00 | 65.38 3.72 -0.01 | 59.83 3.65 -0.01 | 68.03 4.32 -0.01 | 73.95 4.65 0.00 | 68.49 4.20 0.00 | 66.46 3.75 0.00 | 61.50 3.31 0.00 | 89.93 4.66 0.00 | 64.75 3.57 0.00 | 49.13 2.65 -0.01 | 44.74 2.17 0.00 | 44.60 1.94 -0.01 |
| ASTORIA_GT_1 23523 | 50.63 1.91 0.00 | 38.54 1.48 0.00 | 34.55 1.42 0.00 | 31.58 1.30 -0.01 | 34.97 1.41 0.00 | 39.88 1.61 0.00 | 48.89 2.27 0.00 | 81.37 4.55 -0.01 | 96.17 5.29 -0.02 | 161.01 9.22 0.01 | 126.41 7.08 0.00 | 68.42 4.05 0.00 | 65.47 3.81 0.00 | 59.93 3.75 -0.01 | 68.11 4.40 -0.01 | 74.04 4.74 0.00 | 68.58 4.29 0.00 | 66.57 3.86 0.00 | 61.61 3.43 0.00 | 90.06 4.78 0.00 | 64.85 3.67 0.00 | 49.22 2.74 -0.01 | 44.80 2.24 0.00 | 44.66 2.01 -0.01 |
| ASTORIA_GT_10 24110 | 50.96 2.23 0.00 | 38.73 1.67 0.00 | 34.73 1.60 0.00 | 31.78 1.49 -0.01 | 35.17 1.61 0.00 | 40.10 1.83 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.72 5.51 -15.35 | 163.65 9.65 -2.21 | 126.80 7.46 0.00 | 68.52 4.16 0.00 | 65.68 4.02 -0.01 | 62.59 3.92 -2.49 | 70.34 4.61 -2.02 | 76.96 4.99 -2.67 | 71.49 4.53 -2.68 | 66.74 4.03 0.00 | 61.75 3.56 0.00 | 90.28 5.00 0.00 | 65.04 3.86 0.00 | 49.32 2.84 -0.01 | 44.89 2.32 0.00 | 44.86 2.20 -0.01 |
| ASTORIA_GT_11 24225 | 50.96 2.23 0.00 | 38.73 1.67 0.00 | 34.73 1.60 0.00 | 31.78 1.49 -0.01 | 35.17 1.61 0.00 | 40.10 1.83 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.72 5.51 -15.35 | 163.65 9.65 -2.21 | 126.80 7.46 0.00 | 68.52 4.16 0.00 | 65.68 4.02 -0.01 | 62.59 3.92 -2.49 | 70.34 4.61 -2.02 | 76.96 4.99 -2.67 | 71.49 4.53 -2.68 | 66.74 4.03 0.00 | 61.75 3.56 0.00 | 90.28 5.00 0.00 | 65.04 3.86 0.00 | 49.32 2.84 -0.01 | 44.89 2.32 0.00 | 44.86 2.20 -0.01 |
| ASTORIA_GT_12 24226 | 50.96 2.23 0.00 | 38.73 1.67 0.00 | 34.73 1.60 0.00 | 31.78 1.49 -0.01 | 35.17 1.61 0.00 | 40.10 1.83 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.72 5.51 -15.35 | 163.65 9.65 -2.21 | 126.80 7.46 0.00 | 68.52 4.16 0.00 | 65.68 4.02 -0.01 | 62.59 3.92 -2.49 | 70.34 4.61 -2.02 | 76.96 4.99 -2.67 | 71.49 4.53 -2.68 | 66.74 4.03 0.00 | 61.75 3.56 0.00 | 90.28 5.00 0.00 | 65.04 3.86 0.00 | 49.32 2.84 -0.01 | 44.89 2.32 0.00 | 44.86 2.20 -0.01 |
| ASTORIA_GT_13 24227 | 50.96 2.23 0.00 | 38.73 1.67 0.00 | 34.73 1.60 0.00 | 31.78 1.49 -0.01 | 35.17 1.61 0.00 | 40.10 1.83 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.72 5.51 -15.35 | 163.65 9.65 -2.21 | 126.80 7.46 0.00 | 68.52 4.16 0.00 | 65.68 4.02 -0.01 | 62.59 3.92 -2.49 | 70.34 4.61 -2.02 | 76.96 4.99 -2.67 | 71.49 4.53 -2.68 | 66.74 4.03 0.00 | 61.75 3.56 0.00 | 90.28 5.00 0.00 | 65.04 3.86 0.00 | 49.32 2.84 -0.01 | 44.89 2.32 0.00 | 44.86 2.20 -0.01 |
| ASTORIA_GT_5 24106 | 50.65 1.93 0.00 | 38.54 1.48 0.00 | 34.58 1.45 0.00 | 31.59 1.30 -0.01 | 34.97 1.42 0.00 | 39.89 1.62 0.00 | 48.90 2.27 0.00 | 81.38 4.56 -0.01 | 96.17 5.29 -0.02 | 161.06 9.27 0.00 | 126.44 7.10 0.00 | 68.39 4.03 0.00 | 65.49 3.83 -0.01 | 59.93 3.75 -0.01 | 68.14 4.43 -0.01 | 74.07 4.77 0.00 | 68.60 4.32 0.00 | 66.57 3.86 0.00 | 61.61 3.43 0.00 | 90.08 4.81 0.00 | 64.87 3.68 0.00 | 49.21 2.72 -0.01 | 44.81 2.25 0.00 | 44.67 2.01 -0.01 |
| ASTORIA_GT_7 24107 | 50.65 1.93 0.00 | 38.54 1.48 0.00 | 34.58 1.45 0.00 | 31.59 1.30 -0.01 | 34.97 1.42 0.00 | 39.89 1.62 0.00 | 48.90 2.27 0.00 | 81.38 4.56 -0.01 | 96.17 5.29 -0.02 | 161.06 9.27 0.00 | 126.44 7.10 0.00 | 68.39 4.03 0.00 | 65.49 3.83 -0.01 | 59.93 3.75 -0.01 | 68.14 4.43 -0.01 | 74.07 4.77 0.00 | 68.60 4.32 0.00 | 66.57 3.86 0.00 | 61.61 3.43 0.00 | 90.08 4.81 0.00 | 64.87 3.68 0.00 | 49.21 2.72 -0.01 | 44.81 2.25 0.00 | 44.67 2.01 -0.01 |
| ASTORIA_GT_8 24108 | 50.65 1.93 0.00 | 38.54 1.48 0.00 | 34.58 1.45 0.00 | 31.59 1.30 -0.01 | 34.97 1.42 0.00 | 39.89 1.62 0.00 | 48.90 2.27 0.00 | 81.38 4.56 -0.01 | 96.17 5.29 -0.02 | 161.06 9.27 0.00 | 126.44 7.10 0.00 | 68.39 4.03 0.00 | 65.49 3.83 -0.01 | 59.93 3.75 -0.01 | 68.14 4.43 -0.01 | 74.07 4.77 0.00 | 68.60 4.32 0.00 | 66.57 3.86 0.00 | 61.61 3.43 0.00 | 90.08 4.81 0.00 | 64.87 3.68 0.00 | 49.21 2.72 -0.01 | 44.81 2.25 0.00 | 44.67 2.01 -0.01 |
| ASTORIA___2 24149 | 50.58 1.85 0.00 | 38.47 1.41 0.00 | 34.51 1.39 0.00 | 31.55 1.26 -0.01 | 34.92 1.37 0.00 | 39.83 1.56 0.00 | 48.82 2.19 0.00 | 81.23 4.41 -0.01 | 96.01 5.13 -0.02 | 160.73 8.95 0.01 | 126.18 6.84 0.00 | 68.29 3.93 0.00 | 65.37 3.71 0.00 | 59.82 3.64 -0.01 | 68.01 4.31 -0.01 | 73.91 4.60 0.00 | 68.45 4.17 0.00 | 66.44 3.73 0.00 | 61.50 3.31 0.00 | 89.92 4.65 0.00 | 64.72 3.55 0.00 | 49.14 2.66 -0.01 | 44.74 2.18 0.00 | 44.59 1.94 -0.01 |
| ASTORIA___3 23516 | 50.94 2.22 0.00 | 38.73 1.67 0.00 | 34.71 1.58 0.00 | 31.77 1.48 -0.01 | 35.16 1.61 0.00 | 40.10 1.83 0.00 | 49.16 2.53 0.00 | 85.51 4.85 -3.85 | 111.72 5.51 -15.35 | 163.57 9.57 -2.21 | 126.78 7.44 0.00 | 68.52 4.16 0.00 | 65.67 4.01 -0.01 | 62.59 3.93 -2.49 | 70.32 4.60 -2.02 | 76.92 4.95 -2.67 | 71.46 4.49 -2.68 | 66.73 4.02 0.00 | 61.76 3.57 0.00 | 90.26 4.99 0.00 | 65.01 3.83 0.00 | 49.32 2.84 -0.01 | 44.89 2.33 0.00 | 44.86 2.20 -0.01 |
| ASTORIA___4 23517 | 50.96 2.23 0.00 | 38.73 1.67 0.00 | 34.73 1.60 0.00 | 31.78 1.49 -0.01 | 35.17 1.61 0.00 | 40.10 1.83 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.72 5.51 -15.35 | 163.65 9.65 -2.21 | 126.80 7.46 0.00 | 68.52 4.16 0.00 | 65.68 4.02 -0.01 | 62.59 3.92 -2.49 | 70.34 4.61 -2.02 | 76.96 4.99 -2.67 | 71.49 4.53 -2.68 | 66.74 4.03 0.00 | 61.75 3.56 0.00 | 90.28 5.00 0.00 | 65.04 3.86 0.00 | 49.32 2.84 -0.01 | 44.89 2.32 0.00 | 44.86 2.20 -0.01 |
| ASTORIA___5 23518 | 50.94 2.22 0.00 | 38.73 1.67 0.00 | 34.71 1.58 0.00 | 31.77 1.48 -0.01 | 35.16 1.61 0.00 | 40.10 1.83 0.00 | 49.16 2.53 0.00 | 85.51 4.85 -3.85 | 111.72 5.51 -15.35 | 163.57 9.57 -2.21 | 126.78 7.44 0.00 | 68.52 4.16 0.00 | 65.67 4.01 -0.01 | 62.58 3.92 -2.49 | 70.32 4.60 -2.02 | 76.91 4.94 -2.67 | 71.46 4.49 -2.68 | 66.73 4.02 0.00 | 61.76 3.57 0.00 | 90.26 4.99 0.00 | 65.01 3.83 0.00 | 49.32 2.84 -0.01 | 44.89 2.33 0.00 | 44.86 2.20 -0.01 |
| AST_ENERGY_2_CC3 323677 | 50.57 1.84 0.00 | 38.45 1.39 0.00 | 34.48 1.36 0.00 | 31.55 1.27 0.00 | 34.93 1.37 0.00 | 39.80 1.53 0.00 | 48.78 2.16 0.00 | 81.07 4.26 0.00 | 95.70 4.84 0.00 | 160.31 8.52 0.00 | 126.02 6.68 0.00 | 68.07 3.72 0.00 | 65.26 3.60 0.00 | 59.72 3.55 0.00 | 67.88 4.18 0.00 | 73.83 4.52 0.00 | 68.36 4.07 0.00 | 66.35 3.65 0.00 | 61.39 3.20 0.00 | 89.76 4.49 0.00 | 64.60 3.42 0.00 | 49.00 2.52 0.00 | 44.60 2.04 0.00 | 44.52 1.87 0.00 |
| AST_ENERGY_2_CC4 323678 | 50.57 1.84 0.00 | 38.45 1.39 0.00 | 34.48 1.36 0.00 | 31.55 1.27 0.00 | 34.93 1.37 0.00 | 39.80 1.53 0.00 | 48.78 2.16 0.00 | 81.07 4.26 0.00 | 95.70 4.84 0.00 | 160.31 8.52 0.00 | 126.02 6.68 0.00 | 68.07 3.72 0.00 | 65.26 3.60 0.00 | 59.72 3.55 0.00 | 67.88 4.18 0.00 | 73.83 4.52 0.00 | 68.36 4.07 0.00 | 66.35 3.65 0.00 | 61.39 3.20 0.00 | 89.76 4.49 0.00 | 64.60 3.42 0.00 | 49.00 2.52 0.00 | 44.60 2.04 0.00 | 44.52 1.87 0.00 |

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|--------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|
| ATHENS_STG_1 23668 | 49.82 1.10 0.00 | 37.91 0.85 0.00 | 33.94 0.81 0.00 | 31.05 0.77 0.00 | 34.35 0.80 0.00 | 39.11 0.85 0.00 | 47.77 1.14 0.00 | 79.12 2.31 0.00 | 93.60 2.74 0.00 | 156.52 4.73 0.00 | 123.18 3.84 0.00 | 66.48 2.12 0.00 | 63.71 2.05 0.00 | 58.16 1.98 0.00 | 66.03 2.33 0.00 | 71.73 2.42 0.00 | 66.44 2.15 0.00 | 64.63 1.92 0.00 | 59.94 1.75 0.00 | 87.64 2.37 0.00 | 62.98 1.80 0.00 | 47.83 1.35 0.00 | 43.74 1.18 0.00 | 43.79 1.14 0.00 |
| ATHENS_STG_2 23670 | 49.82 1.10 0.00 | 37.91 0.85 0.00 | 33.94 0.81 0.00 | 31.05 0.77 0.00 | 34.35 0.80 0.00 | 39.11 0.85 0.00 | 47.77 1.14 0.00 | 79.12 2.31 0.00 | 93.60 2.74 0.00 | 156.52 4.73 0.00 | 123.18 3.84 0.00 | 66.48 2.12 0.00 | 63.71 2.05 0.00 | 58.16 1.98 0.00 | 66.03 2.33 0.00 | 71.73 2.42 0.00 | 66.44 2.15 0.00 | 64.63 1.92 0.00 | 59.94 1.75 0.00 | 87.64 2.37 0.00 | 62.98 1.80 0.00 | 47.83 1.35 0.00 | 43.74 1.18 0.00 | 43.79 1.14 0.00 |
| ATHENS_STG_3 23677 | 49.82 1.10 0.00 | 37.91 0.85 0.00 | 33.94 0.81 0.00 | 31.05 0.77 0.00 | 34.35 0.80 0.00 | 39.11 0.85 0.00 | 47.77 1.14 0.00 | 79.12 2.31 0.00 | 93.60 2.74 0.00 | 156.52 4.73 0.00 | 123.18 3.84 0.00 | 66.48 2.12 0.00 | 63.71 2.05 0.00 | 58.16 1.98 0.00 | 66.03 2.33 0.00 | 71.73 2.42 0.00 | 66.44 2.15 0.00 | 64.63 1.92 0.00 | 59.94 1.75 0.00 | 87.64 2.37 0.00 | 62.98 1.80 0.00 | 47.83 1.35 0.00 | 43.74 1.18 0.00 | 43.79 1.14 0.00 |
| AUBURN___LFGE 323710 | 48.32 -0.40 0.00 | 36.75 -0.43 -0.12 | 32.96 -0.27 -0.10 | 30.05 -0.23 0.00 | 33.40 -0.15 0.00 | 38.14 -0.13 0.00 | 46.38 -0.24 0.00 | 76.46 -0.35 0.00 | 90.67 -0.19 0.00 | 151.32 -0.48 0.00 | 120.21 -0.85 -1.72 | 64.22 -0.67 -0.53 | 62.01 -0.74 -1.09 | 57.24 -1.01 -2.07 | 62.82 -1.41 -0.53 | 68.25 -1.06 0.00 | 63.17 -1.28 -0.17 | 66.48 -0.87 -4.63 | 61.89 -0.61 -4.31 | 86.17 -0.65 -1.55 | 61.39 -0.20 -0.41 | 49.10 -0.08 -2.70 | 42.57 -0.05 -0.06 | 42.47 -0.18 0.00 |
| BABYLON_RES_REC 323704 | 52.48 3.00 -0.75 | 59.80 2.30 -20.43 | 35.23 2.11 0.00 | 32.21 1.93 0.00 | 35.57 2.01 0.00 | 40.50 2.23 0.00 | 49.60 2.98 0.00 | 81.58 4.77 0.00 | 97.37 6.05 -0.46 | 370.16 11.89 -206.47 | 161.29 8.62 -33.33 | 68.93 4.58 0.00 | 66.14 4.40 -0.08 | 60.86 4.45 -0.23 | 71.09 5.23 -2.16 | 75.17 5.73 -0.14 | 70.96 5.13 -1.55 | 67.94 4.88 -0.36 | 62.26 4.07 0.00 | 90.98 5.53 -0.18 | 68.37 4.33 -2.86 | 53.64 3.45 -3.72 | 65.73 3.01 -20.16 | 86.85 2.84 -41.36 |
| BABYLON__69_KV_BK2 356345 | 52.94 3.46 -0.75 | 60.17 2.68 -20.43 | 35.58 2.45 0.00 | 32.52 2.24 0.00 | 35.93 2.37 0.00 | 40.90 2.63 0.00 | 50.11 3.49 0.00 | 82.23 5.42 0.00 | 98.21 6.89 -0.46 | 371.62 13.35 -206.47 | 162.40 9.73 -33.33 | 69.57 5.21 0.00 | 66.73 5.00 -0.07 | 61.36 4.97 -0.21 | 71.49 5.83 -1.96 | 75.81 6.39 -0.12 | 71.43 5.74 -1.41 | 68.46 5.43 -0.32 | 62.77 4.59 0.00 | 91.71 6.28 -0.16 | 68.77 5.00 -2.59 | 53.95 3.91 -3.56 | 66.10 3.47 -20.07 | 87.28 3.27 -41.36 |
| BALL_HILL_WT_PWR 323825 | 41.07 -3.92 3.74 | 29.25 -3.37 4.45 | 25.84 -3.12 4.16 | 23.48 -2.85 3.95 | 26.60 -2.75 4.21 | 32.67 -2.48 3.12 | 38.12 -3.30 5.20 | 63.25 -5.44 8.12 | 76.52 -5.37 8.97 | 131.35 -8.16 12.28 | 95.93 -8.78 14.64 | 50.72 -5.52 8.12 | 46.21 -5.23 10.22 | 37.77 -4.90 13.51 | 44.31 -5.89 13.50 | 46.03 -6.14 17.14 | 44.03 -6.12 14.13 | 36.40 -6.02 20.29 | 33.27 -5.70 19.21 | 50.56 -7.96 26.76 | 47.02 -5.21 8.95 | 29.66 -4.07 12.75 | 33.94 -3.20 5.43 | 33.96 -3.39 5.30 |
| BARON_WINDS___WT_PWR 323822 | -16.12 -3.93 60.92 | -33.75 -3.28 67.53 | -33.54 -3.07 63.59 | -36.86 -2.67 64.46 | -37.90 -2.79 68.66 | -15.65 -3.12 50.80 | -39.78 -3.47 82.93 | -53.34 -5.61 124.53 | -51.62 -5.92 136.56 | -45.53 -10.32 187.00 | -28.00 -9.34 138.00 | -34.44 -5.32 93.48 | -37.17 -5.30 93.53 | -36.74 -5.09 87.83 | -49.06 -6.06 106.70 | -48.43 -6.41 111.33 | -46.14 -6.21 104.22 | -34.37 -5.78 91.31 | -36.52 -5.19 89.52 | -51.78 -6.65 130.41 | -53.03 -4.63 109.58 | -42.15 -3.90 84.73 | -41.40 -3.31 80.66 | -41.96 -3.51 81.11 |
| BARRETT_IC_1 23704 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_10 23701 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 95.37 4.95 0.44 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 78.23 4.68 -9.85 | 75.07 5.14 -0.62 | 75.98 4.64 -7.06 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 91.12 5.04 -0.80 | 78.89 3.97 -13.74 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_11 23702 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 95.37 4.95 0.44 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 78.23 4.68 -9.85 | 75.07 5.14 -0.62 | 75.98 4.64 -7.06 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 91.12 5.04 -0.80 | 78.89 3.97 -13.74 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_12 23703 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 95.37 4.95 0.44 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 78.23 4.68 -9.85 | 75.07 5.14 -0.62 | 75.98 4.64 -7.06 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 91.12 5.04 -0.80 | 78.89 3.97 -13.74 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_2 23705 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_3 23706 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_4 23707 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |

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|-----------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|---------------------------|--------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| BARRETT_IC_5 23708 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_6 23709 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_7 23710 | 52.07 2.57 -0.77 | 59.44 1.95 -20.43 | 34.92 1.80 0.00 | 31.93 1.65 0.00 | 35.27 1.71 0.00 | 40.12 1.85 0.00 | 49.08 2.46 0.00 | 80.98 4.17 0.00 | 96.06 4.96 -0.24 | 367.74 9.47 -206.47 | 159.88 7.20 -33.33 | 68.57 4.22 0.00 | 66.57 3.96 -0.95 | 62.83 3.90 -2.75 | 96.45 4.69 -28.05 | 76.24 5.16 -1.78 | 89.05 4.67 -20.10 | 71.29 4.35 -4.23 | 61.95 3.76 0.00 | 92.62 5.07 -2.28 | 102.14 4.00 -36.96 | 70.64 2.99 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_8 23711 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT_IC_9 23700 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 95.37 4.95 0.44 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 78.23 4.68 -9.85 | 75.07 5.14 -0.62 | 75.98 4.64 -7.06 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 91.12 5.04 -0.80 | 78.89 3.97 -13.74 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT___1 23545 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 96.05 4.95 -0.24 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 96.43 4.68 -28.05 | 76.22 5.14 -1.78 | 89.02 4.64 -20.10 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 92.60 5.04 -2.28 | 102.11 3.97 -36.96 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BARRETT___2 23546 | 52.05 2.55 -0.77 | 59.44 1.94 -20.43 | 34.92 1.80 0.00 | 31.92 1.65 0.00 | 35.26 1.70 0.00 | 40.11 1.84 0.00 | 49.07 2.46 0.00 | 80.97 4.16 0.00 | 95.37 4.95 0.44 | 367.66 9.40 -206.47 | 159.86 7.18 -33.33 | 68.56 4.20 0.00 | 66.55 3.95 -0.95 | 62.80 3.87 -2.75 | 78.23 4.68 -9.85 | 75.07 5.14 -0.62 | 75.98 4.64 -7.06 | 71.29 4.35 -4.23 | 61.94 3.75 0.00 | 91.12 5.04 -0.80 | 78.89 3.97 -13.74 | 70.65 3.00 -21.17 | 75.11 2.61 -29.94 | 86.52 2.50 -41.37 |
| BATAVIA__115KV_TB1 55881 | 41.43 -2.65 4.65 | 29.57 -2.13 5.36 | 26.09 -2.00 5.03 | 23.45 -1.91 4.92 | 26.49 -1.82 5.24 | 32.85 -1.53 3.88 | 38.09 -2.14 6.39 | 62.27 -4.62 9.93 | 74.45 -5.42 11.00 | 127.60 -9.14 15.06 | 96.26 -8.14 14.95 | 50.42 -4.96 8.98 | 46.11 -5.02 10.53 | 38.78 -4.63 12.77 | 42.28 -5.58 15.84 | 41.73 -6.00 21.57 | 41.35 -5.39 17.54 | 40.01 -4.34 18.36 | 36.86 -3.83 17.50 | 48.35 -5.31 31.62 | 47.29 -3.40 10.48 | 32.34 -2.39 11.75 | 33.86 -2.10 6.60 | 33.82 -2.30 6.53 |
| BAYONEEC___CTG1 323682 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG10 323750 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG2 323683 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG3 323684 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG4 323685 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG5 323686 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG6 323687 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |

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| BAYONEEC___CTG7 323688 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG8 323689 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BAYONEEC___CTG9 323749 | 50.65 1.92 0.00 | 38.50 1.43 0.00 | 34.49 1.37 0.00 | 31.56 1.28 0.00 | 34.94 1.39 0.00 | 39.85 1.58 0.00 | 48.84 2.22 0.00 | 81.15 4.34 0.00 | 93.04 4.85 2.67 | 160.28 8.48 0.00 | 126.05 6.71 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.73 3.56 0.00 | 67.90 4.20 0.00 | 73.84 4.54 0.00 | 68.38 4.09 0.00 | 66.38 3.68 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 49.01 2.53 0.00 | 44.63 2.07 0.00 | 44.55 1.90 0.00 |
| BEACON___LESR 323632 | 49.98 1.25 0.00 | 38.04 0.98 0.00 | 34.06 0.94 0.00 | 31.21 0.93 0.00 | 34.52 0.97 0.00 | 39.38 1.11 0.00 | 48.22 1.60 0.00 | 79.76 2.95 0.00 | 94.38 3.52 0.00 | 157.56 5.77 0.00 | 124.23 4.88 0.00 | 66.98 2.62 0.00 | 64.19 2.53 0.00 | 58.58 2.40 0.00 | 66.50 2.80 0.00 | 72.32 3.01 0.00 | 66.83 2.54 0.00 | 65.19 2.48 0.00 | 60.50 2.31 0.00 | 88.48 3.20 0.00 | 63.64 2.46 0.00 | 48.08 1.60 0.00 | 44.02 1.46 0.00 | 44.12 1.47 0.00 |
| BEAVER RIVER___HYD 24048 | 48.33 -0.40 0.00 | 36.43 -0.63 0.00 | 32.42 -0.70 0.00 | 29.32 -0.96 0.00 | 32.67 -0.88 0.00 | 37.69 -0.58 0.00 | 46.40 -0.22 0.00 | 75.98 -0.83 0.00 | 89.77 -1.08 0.00 | 154.26 -2.77 -5.23 | 125.82 -2.49 -8.97 | 68.08 -1.88 -5.60 | 61.50 -1.99 -1.83 | 54.44 -1.74 0.00 | 62.39 -1.31 0.00 | 68.77 -0.54 0.00 | 64.48 0.20 0.00 | 62.53 -0.18 0.00 | 57.68 -0.50 0.00 | 85.93 0.28 -0.37 | 61.12 -0.06 0.00 | 46.30 -0.20 -0.03 | 45.98 -0.73 -4.15 | 44.21 -0.87 -2.43 |
| BEEBEE_GT_13 23619 | 46.51 -2.21 0.00 | 35.13 -1.74 0.19 | 31.35 -1.61 0.16 | 28.76 -1.52 0.00 | 32.06 -1.50 0.00 | 36.90 -1.37 0.00 | 44.76 -1.86 0.00 | 70.92 -4.01 1.88 | 83.10 -4.65 3.10 | 140.14 -7.41 4.25 | 106.43 -6.36 6.55 | 57.12 -3.74 3.50 | 53.04 -3.65 4.96 | 45.39 -3.40 7.39 | 48.99 -4.19 10.52 | 47.67 -4.50 17.14 | 47.28 -4.09 12.91 | 46.57 -3.60 12.54 | 42.99 -3.36 11.83 | 53.87 -4.65 26.76 | 53.96 -2.99 4.23 | 38.04 -2.13 6.30 | 38.81 -1.80 1.94 | 38.83 -1.96 1.86 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 57.33 2.76 -5.84 | 56.46 2.07 -17.33 | 55.89 1.95 -20.81 | 55.12 1.82 -23.02 | 55.90 1.98 -20.37 | 56.59 2.25 -16.07 | 57.48 3.07 -7.79 | 91.57 5.68 -9.07 | 112.74 6.52 -15.36 | 165.30 11.30 -2.21 | 134.90 8.80 -6.76 | 97.99 4.88 -28.76 | 97.97 4.73 -31.58 | 97.92 4.54 -37.19 | 98.03 5.33 -29.00 | 100.05 5.69 -25.05 | 99.14 5.25 -29.60 | 98.08 4.73 -30.63 | 98.14 4.26 -35.69 | 102.59 6.05 -11.27 | 98.20 4.58 -32.44 | 97.93 3.39 -48.06 | 78.10 2.83 -32.70 | 57.74 2.68 -12.40 |
| BETHLEHEM___GRP 23843 | 49.27 0.55 0.00 | 37.56 0.50 0.00 | 33.65 0.53 0.00 | 30.85 0.58 0.00 | 34.06 0.51 0.00 | 38.75 0.48 0.00 | 47.29 0.67 0.00 | 78.35 1.53 0.00 | 92.68 1.83 0.00 | 154.75 2.96 0.00 | 122.01 2.67 0.00 | 65.88 1.52 0.00 | 63.15 1.49 0.00 | 57.61 1.43 0.00 | 65.39 1.69 0.00 | 71.00 1.69 0.00 | 65.76 1.47 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.89 1.61 0.00 | 62.39 1.21 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.81 0.00 |
| BETHLEHEM___GS1 323560 | 49.27 0.54 0.00 | 37.56 0.50 0.00 | 33.65 0.52 0.00 | 30.84 0.57 0.00 | 34.06 0.50 0.00 | 38.75 0.48 0.00 | 47.28 0.66 0.00 | 78.34 1.53 0.00 | 92.68 1.82 0.00 | 154.71 2.92 0.00 | 122.00 2.66 0.00 | 65.87 1.52 0.00 | 63.14 1.49 0.00 | 57.60 1.42 0.00 | 65.38 1.68 0.00 | 70.98 1.68 0.00 | 65.74 1.46 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.88 1.60 0.00 | 62.37 1.19 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.80 0.00 |
| BETHLEHEM___GS2 323561 | 49.27 0.54 0.00 | 37.56 0.50 0.00 | 33.65 0.52 0.00 | 30.84 0.57 0.00 | 34.06 0.50 0.00 | 38.75 0.48 0.00 | 47.28 0.66 0.00 | 78.34 1.53 0.00 | 92.68 1.82 0.00 | 154.71 2.92 0.00 | 122.00 2.66 0.00 | 65.87 1.52 0.00 | 63.14 1.49 0.00 | 57.60 1.42 0.00 | 65.38 1.68 0.00 | 70.98 1.68 0.00 | 65.74 1.46 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.88 1.60 0.00 | 62.37 1.19 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.80 0.00 |
| BETHLEHEM___GS3 323562 | 49.27 0.54 0.00 | 37.56 0.50 0.00 | 33.65 0.52 0.00 | 30.84 0.57 0.00 | 34.06 0.50 0.00 | 38.75 0.48 0.00 | 47.28 0.66 0.00 | 78.34 1.53 0.00 | 92.68 1.82 0.00 | 154.71 2.92 0.00 | 122.00 2.66 0.00 | 65.87 1.52 0.00 | 63.14 1.49 0.00 | 57.60 1.42 0.00 | 65.38 1.68 0.00 | 70.98 1.68 0.00 | 65.74 1.46 0.00 | 64.04 1.33 0.00 | 59.46 1.27 0.00 | 86.88 1.60 0.00 | 62.37 1.19 0.00 | 47.34 0.86 0.00 | 43.33 0.76 0.00 | 43.46 0.80 0.00 |
| BETHLEHEM___STEEL 23779 | 40.58 -3.46 4.69 | 28.80 -2.79 5.47 | 25.38 -2.61 5.13 | 22.81 -2.51 4.96 | 25.81 -2.46 5.28 | 32.09 -2.26 3.91 | 37.00 -3.14 6.48 | 60.39 -6.37 10.05 | 72.85 -6.90 11.11 | 125.88 -10.70 15.21 | 93.86 -9.26 16.22 | 49.62 -5.35 9.40 | 45.30 -5.06 11.30 | 37.41 -4.61 14.15 | 42.71 -5.80 15.20 | 43.75 -6.21 19.34 | 42.39 -5.85 16.05 | 36.84 -5.33 20.53 | 33.50 -5.17 19.52 | 48.49 -7.70 29.08 | 45.46 -5.11 10.60 | 29.56 -3.58 13.33 | 32.83 -3.05 6.68 | 32.87 -3.21 6.58 |
| BETHLHEM_115KV_TB1 79974 | 49.34 0.62 0.00 | 37.61 0.55 0.00 | 33.68 0.56 0.00 | 30.88 0.60 0.00 | 34.10 0.54 0.00 | 38.81 0.54 0.00 | 47.35 0.73 0.00 | 78.44 1.63 0.00 | 92.78 1.92 0.00 | 154.95 3.15 0.00 | 122.13 2.79 0.00 | 65.94 1.58 0.00 | 63.21 1.55 0.00 | 57.66 1.48 0.00 | 65.43 1.73 0.00 | 71.06 1.75 0.00 | 65.82 1.54 0.00 | 64.09 1.39 0.00 | 59.51 1.32 0.00 | 86.97 1.70 0.00 | 62.45 1.27 0.00 | 47.39 0.91 0.00 | 43.38 0.81 0.00 | 43.49 0.84 0.00 |
| BETHPAGE_CC_5 323564 | 52.35 2.87 -0.76 | 59.68 2.19 -20.43 | 35.12 2.00 0.00 | 32.13 1.85 0.00 | 35.47 1.92 0.00 | 40.39 2.12 0.00 | 49.42 2.80 0.00 | 81.38 4.57 0.00 | 97.07 5.76 -0.45 | 369.59 11.33 -206.47 | 160.87 8.20 -33.33 | 68.78 4.42 0.00 | 66.03 4.26 -0.11 | 60.86 4.37 -0.31 | 71.72 5.14 -2.88 | 75.09 5.60 -0.18 | 71.37 5.02 -2.07 | 67.85 4.66 -0.48 | 62.10 3.91 0.00 | 90.93 5.42 -0.23 | 69.15 4.16 -3.81 | 54.07 3.31 -4.28 | 65.91 2.88 -20.47 | 86.77 2.76 -41.36 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 41.09 -3.33 4.31 | 29.29 -2.71 5.06 | 25.83 -2.55 4.74 | 23.27 -2.45 4.56 | 26.30 -2.40 4.86 | 32.49 -2.18 3.60 | 37.66 -2.99 5.97 | 61.49 -6.05 9.28 | 74.10 -6.51 10.26 | 127.62 -10.13 14.04 | 94.94 -8.83 15.57 | 50.33 -5.14 8.89 | 45.93 -4.87 10.87 | 37.85 -4.44 13.89 | 43.58 -5.58 14.54 | 44.81 -5.98 18.52 | 43.31 -5.65 15.32 | 37.16 -5.13 20.42 | 33.83 -4.99 19.38 | 49.57 -7.48 28.23 | 46.29 -4.94 9.95 | 29.96 -3.43 13.08 | 33.42 -2.96 6.18 | 33.47 -3.12 6.07 |

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| BINGHAMTON___COGEN 23790 | 47.94 -0.79 0.00 | 36.15 -0.75 0.15 | 32.31 -0.69 0.13 | 29.71 -0.56 0.00 | 33.00 -0.55 0.00 | 37.70 -0.57 0.00 | 46.09 -0.53 0.00 | 75.98 -0.83 0.00 | 89.95 -0.91 0.00 | 150.29 -1.50 0.00 | 116.00 -1.76 1.58 | 63.36 -1.00 0.00 | 60.70 -0.96 0.00 | 55.22 -0.95 0.00 | 61.45 -1.24 1.00 | 65.97 -1.08 2.25 | 61.28 -1.17 1.84 | 54.94 -1.16 6.61 | 50.95 -1.08 6.16 | 78.56 -1.32 5.40 | 59.71 -0.76 0.71 | 42.30 -0.58 3.59 | 42.03 -0.46 0.08 | 42.08 -0.58 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 42.89 -3.81 2.03 | 31.15 -3.30 2.60 | 27.33 -3.37 2.42 | 24.93 -3.20 2.15 | 28.16 -3.11 2.29 | 33.66 -2.91 1.70 | 40.52 -3.22 2.88 | 66.75 -5.43 4.62 | 80.03 -5.71 5.12 | 134.52 -10.27 7.01 | 98.44 -9.29 11.62 | 52.78 -5.75 5.84 | 47.68 -5.68 8.30 | 38.53 -5.25 12.40 | 47.01 -5.97 10.72 | 48.73 -6.83 13.74 | 46.62 -6.58 11.08 | 36.73 -6.40 19.59 | 33.42 -6.34 18.43 | 52.63 -9.33 23.31 | 49.23 -5.92 6.02 | 31.18 -3.81 11.49 | 35.67 -3.71 3.18 | 35.95 -3.69 3.02 |
| BLACK RIVER___HYD 24047 | 48.78 0.05 0.00 | 36.72 -0.34 0.00 | 32.62 -0.50 0.00 | 29.45 -0.82 0.00 | 32.84 -0.72 0.00 | 37.93 -0.34 0.00 | 46.92 0.30 0.00 | 76.85 0.03 0.00 | 90.74 -0.12 0.00 | 153.87 -1.58 -3.66 | 123.76 -1.85 -6.27 | 66.29 -1.98 -3.91 | 60.67 -2.26 -1.28 | 54.36 -1.82 0.00 | 62.58 -1.12 0.00 | 69.26 -0.05 0.00 | 64.89 0.60 0.00 | 62.60 -0.11 0.00 | 58.02 -0.17 0.00 | 86.32 0.79 -0.26 | 61.58 0.40 0.00 | 46.63 0.13 -0.02 | 45.03 -0.43 -2.90 | 43.69 -0.66 -1.70 |
| BLACKRVR_115KV_TB2 79977 | 48.78 0.05 0.00 | 36.72 -0.34 0.00 | 32.62 -0.51 0.00 | 29.45 -0.83 0.00 | 32.84 -0.72 0.00 | 37.93 -0.34 0.00 | 46.92 0.30 0.00 | 76.84 0.03 0.00 | 90.74 -0.12 0.00 | 153.86 -1.59 -3.66 | 123.76 -1.84 -6.27 | 66.29 -1.98 -3.91 | 60.67 -2.26 -1.28 | 54.36 -1.82 0.00 | 62.58 -1.12 0.00 | 69.25 -0.06 0.00 | 64.88 0.60 0.00 | 62.60 -0.11 0.00 | 58.01 -0.18 0.00 | 86.32 0.78 -0.26 | 61.56 0.39 0.00 | 46.63 0.13 -0.02 | 45.03 -0.43 -2.90 | 43.68 -0.67 -1.70 |
| BLISS_WT_PWR 323608 | 42.59 -4.10 2.03 | 30.88 -3.58 2.60 | 27.02 -3.69 2.42 | 24.62 -3.51 2.15 | 27.85 -3.41 2.29 | 33.33 -3.24 1.70 | 40.27 -3.47 2.88 | 66.56 -5.63 4.62 | 79.85 -5.89 5.12 | 134.01 -10.78 7.01 | 97.83 -9.89 11.62 | 52.45 -6.08 5.84 | 47.25 -6.11 8.30 | 37.93 -5.85 12.40 | 46.70 -6.28 10.72 | 48.35 -7.21 13.74 | 46.21 -7.00 11.08 | 36.06 -7.06 19.59 | 32.78 -6.98 18.43 | 51.80 -10.16 23.31 | 48.86 -6.30 6.02 | 30.75 -4.23 11.49 | 35.33 -4.06 3.18 | 35.66 -3.98 3.02 |
| BLUESTONE___WT_PWR 323821 | 47.60 -1.12 0.00 | 35.85 -1.39 -0.17 | 31.78 -1.49 -0.15 | 28.82 -1.46 0.00 | 31.93 -1.62 0.00 | 36.57 -1.70 0.00 | 44.98 -1.64 0.00 | 74.36 -2.45 0.00 | 88.76 -2.10 0.00 | 149.42 -2.37 0.00 | 121.72 -0.89 -3.27 | 65.34 -0.65 -1.63 | 64.78 -0.22 -3.35 | 62.97 0.44 -6.36 | 65.13 0.53 -0.90 | 68.42 0.74 1.63 | 64.49 1.14 0.93 | 70.12 1.08 -6.32 | 64.86 0.79 -5.88 | 84.76 -0.28 0.24 | 63.98 2.34 -0.47 | 52.36 1.98 -3.90 | 43.97 1.32 -0.08 | 43.52 0.86 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 49.79 1.06 0.00 | 37.93 0.87 0.00 | 33.97 0.84 0.00 | 31.12 0.84 0.00 | 34.41 0.85 0.00 | 39.16 0.89 0.00 | 47.77 1.15 0.00 | 79.06 2.25 0.00 | 93.51 2.65 0.00 | 156.13 4.34 0.00 | 122.93 3.59 0.00 | 66.38 2.02 0.00 | 63.59 1.93 0.00 | 57.97 1.79 0.00 | 65.75 2.05 0.00 | 71.46 2.15 0.00 | 66.17 1.89 0.00 | 64.46 1.75 0.00 | 59.87 1.68 0.00 | 87.57 2.30 0.00 | 62.88 1.70 0.00 | 47.73 1.25 0.00 | 43.70 1.14 0.00 | 43.82 1.17 0.00 |
| BOC_GAS_DRP 24189 | 49.47 0.74 0.00 | 37.67 0.61 0.00 | 33.73 0.60 0.00 | 30.88 0.60 0.00 | 34.15 0.60 0.00 | 38.87 0.60 0.00 | 47.43 0.81 0.00 | 78.52 1.71 0.00 | 92.85 1.99 0.00 | 155.11 3.32 0.00 | 122.15 2.82 0.00 | 65.94 1.58 0.00 | 63.20 1.54 0.00 | 57.65 1.48 0.00 | 65.43 1.73 0.00 | 71.09 1.78 0.00 | 65.87 1.58 0.00 | 64.11 1.40 0.00 | 59.48 1.29 0.00 | 86.97 1.70 0.00 | 62.49 1.31 0.00 | 47.44 0.96 0.00 | 43.42 0.86 0.00 | 43.52 0.87 0.00 |
| BOONVILLE_115KV_TB1 79983 | 49.11 0.38 0.00 | 37.19 0.13 0.00 | 33.15 0.03 0.00 | 30.17 -0.11 0.00 | 33.53 -0.02 0.00 | 38.50 0.23 0.00 | 47.17 0.55 0.00 | 77.57 0.76 0.00 | 91.86 1.00 0.00 | 155.24 1.39 -2.06 | 123.84 0.97 -3.53 | 66.94 0.38 -2.20 | 62.75 0.37 -0.72 | 56.53 0.36 0.00 | 64.18 0.48 0.00 | 69.97 0.66 0.00 | 65.33 1.05 0.00 | 63.81 1.10 0.00 | 59.06 0.87 0.00 | 87.17 1.75 -0.15 | 62.29 1.11 0.00 | 47.25 0.76 -0.01 | 44.57 0.37 -1.63 | 43.87 0.27 -0.95 |
| BORALEX_4TH_BRANCH 23824 | 50.96 2.23 0.00 | 38.85 1.79 0.00 | 34.82 1.69 0.00 | 31.87 1.59 0.00 | 35.23 1.68 0.00 | 40.00 1.73 0.00 | 48.72 2.10 0.00 | 80.73 3.92 0.00 | 95.64 4.78 0.00 | 159.03 7.24 0.00 | 125.55 6.21 0.00 | 67.88 3.52 0.00 | 65.09 3.43 0.00 | 59.49 3.31 0.00 | 67.60 3.90 0.00 | 73.42 4.12 0.00 | 67.80 3.52 0.00 | 66.00 3.29 0.00 | 61.34 3.15 0.00 | 89.53 4.26 0.00 | 64.30 3.12 0.00 | 48.72 2.24 0.00 | 44.73 2.17 0.00 | 44.99 2.34 0.00 |
| BOWLINE___1 23526 | 50.12 1.39 0.00 | 38.08 1.02 0.00 | 34.10 0.98 0.00 | 31.20 0.92 0.00 | 34.57 1.02 0.00 | 39.42 1.16 0.00 | 48.28 1.66 0.00 | 80.17 3.35 0.00 | 94.62 3.76 0.00 | 158.30 6.51 0.00 | 124.58 5.24 0.00 | 67.28 2.92 0.00 | 64.50 2.84 0.00 | 58.98 2.81 0.00 | 67.02 3.32 0.00 | 72.91 3.60 0.00 | 67.54 3.26 0.00 | 65.62 2.91 0.00 | 60.76 2.57 0.00 | 88.91 3.64 0.00 | 63.89 2.72 0.00 | 48.43 1.96 0.00 | 44.14 1.58 0.00 | 44.11 1.46 0.00 |
| BOWLINE___2 23595 | 50.12 1.39 0.00 | 38.08 1.02 0.00 | 34.10 0.98 0.00 | 31.20 0.92 0.00 | 34.57 1.02 0.00 | 39.42 1.16 0.00 | 48.28 1.66 0.00 | 80.17 3.35 0.00 | 94.62 3.76 0.00 | 158.31 6.52 0.00 | 124.58 5.24 0.00 | 67.28 2.92 0.00 | 64.50 2.84 0.00 | 58.98 2.81 0.00 | 67.02 3.32 0.00 | 72.91 3.60 0.00 | 67.54 3.26 0.00 | 65.62 2.91 0.00 | 60.76 2.57 0.00 | 88.91 3.64 0.00 | 63.89 2.72 0.00 | 48.44 1.96 0.00 | 44.14 1.58 0.00 | 44.12 1.47 0.00 |
| BRADY___115KV_TB2 356060 | 49.83 1.11 0.00 | 37.86 0.80 0.00 | 33.73 0.61 0.00 | 30.72 0.45 0.00 | 34.10 0.55 0.00 | 39.09 0.82 0.00 | 47.72 1.10 0.00 | 78.63 1.82 0.00 | 92.72 1.86 0.00 | 162.46 2.80 -7.86 | 134.81 1.99 -13.48 | 73.44 0.68 -8.41 | 64.75 0.34 -2.75 | 56.28 0.11 0.00 | 64.20 0.50 0.00 | 70.02 0.72 0.00 | 65.38 1.10 0.00 | 63.51 0.80 0.00 | 59.06 0.87 0.00 | 88.27 1.80 -1.20 | 62.09 0.91 0.00 | 47.04 0.52 -0.04 | 49.22 0.42 -6.24 | 46.76 0.46 -3.65 |
| BRANSCOMB___SOLAR 323811 | 50.80 2.07 0.00 | 38.66 1.60 0.00 | 34.59 1.47 0.00 | 31.62 1.34 0.00 | 34.96 1.40 0.00 | 39.72 1.45 0.00 | 48.46 1.84 0.00 | 80.30 3.49 0.00 | 95.17 4.32 0.00 | 158.85 7.06 0.00 | 125.09 5.75 0.00 | 67.50 3.14 0.00 | 64.69 3.03 0.00 | 58.96 2.78 0.00 | 66.94 3.23 0.00 | 72.71 3.41 0.00 | 67.20 2.92 0.00 | 65.64 2.93 0.00 | 61.06 2.87 0.00 | 89.28 4.01 0.00 | 63.93 2.76 0.00 | 48.44 1.96 0.00 | 44.39 1.83 0.00 | 44.78 2.12 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 52.77 3.29 -0.75 | 60.09 2.60 -20.43 | 35.49 2.37 0.00 | 32.44 2.17 0.00 | 35.84 2.29 0.00 | 40.78 2.51 0.00 | 49.93 3.32 0.00 | 81.83 5.01 0.00 | 97.70 6.38 -0.47 | 370.77 12.51 -206.47 | 161.76 9.08 -33.33 | 69.18 4.82 0.00 | 66.30 4.60 -0.04 | 60.89 4.59 -0.13 | 70.35 5.43 -1.22 | 75.34 5.96 -0.08 | 70.46 5.30 -0.87 | 67.86 4.96 -0.19 | 62.31 4.12 0.00 | 90.87 5.50 -0.10 | 67.41 4.62 -1.61 | 53.13 3.66 -2.99 | 65.58 3.27 -19.75 | 87.13 3.12 -41.36 |

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| BRISTLHL_115KV_TB1 79998 | 47.43 -1.29 0.00 | 36.12 -0.94 0.00 | 32.34 -0.78 0.00 | 29.59 -0.69 0.00 | 32.80 -0.75 0.00 | 37.41 -0.86 0.00 | 45.54 -1.08 0.00 | 74.93 -1.88 0.00 | 88.65 -2.20 0.00 | 147.83 -3.96 0.00 | 116.00 -3.34 0.00 | 62.41 -1.95 0.00 | 59.73 -1.93 0.00 | 54.37 -1.81 0.00 | 61.66 -2.04 0.00 | 67.13 -2.17 0.00 | 62.36 -1.93 0.00 | 60.88 -1.82 0.00 | 56.53 -1.66 0.00 | 83.04 -2.27 -0.03 | 59.67 -1.51 0.00 | 45.44 -1.04 0.00 | 41.68 -0.89 0.00 | 41.67 -0.98 0.00 |
| BROOKHAVEN___DRP 24191 | 52.44 2.96 -0.75 | 60.00 2.50 -20.43 | 35.42 2.30 0.00 | 32.40 2.13 0.00 | 35.75 2.19 0.00 | 40.62 2.35 0.00 | 49.69 3.07 0.00 | 80.53 3.72 0.00 | 96.13 4.81 -0.47 | 368.15 9.88 -206.47 | 159.66 6.99 -33.33 | 68.11 3.75 0.00 | 65.23 3.53 -0.04 | 59.93 3.65 -0.11 | 69.08 4.35 -1.03 | 74.20 4.83 -0.06 | 69.33 4.31 -0.74 | 67.02 4.15 -0.16 | 61.57 3.39 0.00 | 89.86 4.51 -0.08 | 66.26 3.73 -1.36 | 52.27 2.94 -2.85 | 65.13 2.89 -19.67 | 86.89 2.87 -41.36 |
| BROOKLYN_NAVY_YARD 23515 | 50.68 1.96 0.00 | 38.54 1.48 0.00 | 34.54 1.41 0.00 | 31.58 1.31 0.00 | 34.98 1.42 0.00 | 39.89 1.63 0.00 | 48.88 2.26 0.00 | 81.11 4.30 0.00 | 95.61 4.74 -0.01 | 160.16 8.36 0.00 | 126.01 6.66 0.00 | 68.05 3.69 0.00 | 65.22 3.56 0.00 | 59.66 3.49 0.00 | 67.84 4.14 0.00 | 73.78 4.47 0.00 | 68.33 4.04 0.00 | 66.32 3.61 0.00 | 61.35 3.17 0.00 | 89.70 4.42 0.00 | 64.59 3.41 0.00 | 48.97 2.49 0.00 | 44.57 2.01 0.00 | 44.59 1.94 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| BROOKVLE_69_KV_TB1 55790 | 52.51 3.03 -0.76 | 59.77 2.27 -20.43 | 35.22 2.10 0.00 | 32.22 1.94 0.00 | 35.61 2.06 0.00 | 40.56 2.29 0.00 | 49.69 3.07 0.00 | 82.06 5.25 0.00 | 97.82 6.51 -0.45 | 370.80 12.53 -206.47 | 161.89 9.21 -33.33 | 69.36 5.00 0.00 | 66.65 4.81 -0.18 | 61.48 4.78 -0.52 | 74.16 5.61 -4.86 | 75.70 6.09 -0.31 | 73.28 5.51 -3.48 | 68.68 5.16 -0.81 | 62.59 4.40 0.00 | 91.83 6.16 -0.39 | 72.32 4.72 -6.42 | 55.86 3.64 -5.74 | 66.99 3.13 -21.29 | 86.95 2.94 -41.36 |
| BROOME_2_LFGE 323671 | 47.95 -0.77 0.00 | 36.16 -0.75 0.15 | 32.31 -0.69 0.13 | 29.71 -0.56 0.00 | 33.00 -0.55 0.00 | 37.71 -0.56 0.00 | 46.09 -0.53 0.00 | 75.99 -0.82 0.00 | 89.95 -0.91 0.00 | 150.33 -1.46 0.00 | 116.00 -1.76 1.58 | 63.35 -1.01 0.00 | 60.69 -0.97 0.00 | 55.19 -0.98 0.00 | 61.42 -1.27 1.00 | 65.94 -1.12 2.25 | 61.27 -1.17 1.84 | 54.90 -1.20 6.61 | 50.92 -1.11 6.16 | 78.53 -1.34 5.40 | 59.70 -0.76 0.71 | 42.28 -0.61 3.59 | 42.03 -0.46 0.08 | 42.07 -0.58 0.00 |
| BROOME___LFGE 323600 | 47.95 -0.77 0.00 | 36.16 -0.75 0.15 | 32.31 -0.69 0.13 | 29.71 -0.56 0.00 | 33.00 -0.55 0.00 | 37.71 -0.56 0.00 | 46.09 -0.53 0.00 | 75.99 -0.82 0.00 | 89.95 -0.91 0.00 | 150.33 -1.46 0.00 | 116.00 -1.76 1.58 | 63.35 -1.01 0.00 | 60.69 -0.97 0.00 | 55.19 -0.98 0.00 | 61.42 -1.27 1.00 | 65.94 -1.12 2.25 | 61.27 -1.17 1.84 | 54.90 -1.20 6.61 | 50.92 -1.11 6.16 | 78.53 -1.34 5.40 | 59.70 -0.76 0.71 | 42.28 -0.61 3.59 | 42.03 -0.46 0.08 | 42.07 -0.58 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 48.14 -0.59 0.00 | 36.42 -0.64 0.00 | 32.41 -0.71 0.00 | 29.39 -0.89 0.00 | 32.68 -0.87 0.00 | 37.60 -0.67 0.00 | 46.12 -0.50 0.00 | 75.65 -1.16 0.00 | 89.29 -1.57 0.00 | 157.80 -3.34 -9.34 | 132.52 -2.83 -16.01 | 72.36 -1.99 -9.99 | 62.83 -2.09 -3.27 | 54.22 -1.96 0.00 | 61.98 -1.72 0.00 | 68.04 -1.27 0.00 | 63.66 -0.63 0.00 | 61.86 -0.85 0.00 | 57.22 -0.97 0.00 | 85.23 -0.71 -0.66 | 60.33 -0.85 0.00 | 45.70 -0.82 -0.05 | 48.87 -1.11 -7.41 | 45.81 -1.17 -4.33 |
| BROWNSV1_27_KV_LOAD 356125 | 51.17 2.44 0.00 | 38.87 1.80 0.00 | 34.83 1.71 0.00 | 31.86 1.58 0.00 | 35.27 1.72 0.00 | 40.25 1.97 0.00 | 49.36 2.74 0.00 | 82.06 5.24 0.00 | 96.86 6.00 0.00 | 162.26 10.47 0.00 | 127.54 8.20 0.00 | 68.93 4.57 0.00 | 66.08 4.42 0.00 | 60.44 4.26 0.00 | 68.71 5.01 0.00 | 74.71 5.40 0.00 | 69.18 4.90 0.00 | 67.14 4.43 0.00 | 62.11 3.92 0.00 | 90.88 5.61 0.00 | 65.38 4.20 0.00 | 49.56 3.09 0.00 | 45.12 2.56 0.00 | 45.00 2.34 0.00 |
| BURROWS___LYONSDAL 23803 | 48.83 0.10 0.00 | 36.92 -0.14 0.00 | 32.89 -0.23 0.00 | 29.87 -0.41 0.00 | 33.22 -0.34 0.00 | 38.20 -0.07 0.00 | 46.87 0.25 0.00 | 76.94 0.13 0.00 | 91.10 0.24 0.00 | 154.42 -0.06 -2.68 | 123.75 -0.19 -4.59 | 66.93 -0.30 -2.87 | 62.29 -0.31 -0.94 | 55.93 -0.24 0.00 | 63.65 -0.05 0.00 | 69.61 0.30 0.00 | 65.07 0.79 0.00 | 63.46 0.75 0.00 | 58.62 0.43 0.00 | 86.75 1.29 -0.19 | 61.93 0.75 0.00 | 46.96 0.46 -0.01 | 44.72 0.02 -2.13 | 43.81 -0.09 -1.24 |
| CAITHNESS_CC_1 323624 | 52.37 2.89 -0.75 | 59.91 2.42 -20.43 | 35.35 2.23 0.00 | 32.34 2.06 0.00 | 35.66 2.11 0.00 | 40.54 2.27 0.00 | 49.59 2.97 0.00 | 80.53 3.72 0.00 | 96.13 4.80 -0.47 | 368.11 9.84 -206.47 | 159.67 6.99 -33.33 | 68.11 3.76 0.00 | 65.24 3.54 -0.04 | 59.94 3.66 -0.11 | 69.07 4.35 -1.02 | 74.18 4.81 -0.06 | 69.30 4.28 -0.73 | 67.03 4.16 -0.16 | 61.58 3.39 0.00 | 89.82 4.46 -0.08 | 66.20 3.68 -1.35 | 52.27 2.95 -2.84 | 65.08 2.85 -19.67 | 86.81 2.80 -41.36 |
| CALPINE BETH_PAGE_GT4 24209 | 52.25 2.77 -0.76 | 59.60 2.10 -20.43 | 35.06 1.94 0.00 | 32.06 1.78 0.00 | 35.42 1.87 0.00 | 40.31 2.04 0.00 | 49.24 2.62 0.00 | 81.14 4.33 0.00 | 96.72 5.42 -0.45 | 369.04 10.77 -206.47 | 160.42 7.74 -33.33 | 68.56 4.20 0.00 | 65.85 4.05 -0.14 | 60.87 4.29 -0.40 | 72.43 5.04 -3.68 | 75.06 5.52 -0.23 | 71.85 4.93 -2.64 | 67.76 4.43 -0.62 | 61.92 3.73 0.00 | 90.73 5.16 -0.30 | 70.03 3.99 -4.87 | 54.52 3.14 -4.90 | 66.10 2.72 -20.82 | 86.69 2.68 -41.36 |
| CALPINE_BETH_PAGE_GT_4 323586 | 52.26 2.77 -0.76 | 59.60 2.11 -20.43 | 35.05 1.93 0.00 | 32.05 1.77 0.00 | 35.40 1.85 0.00 | 40.31 2.04 0.00 | 49.24 2.62 0.00 | 81.13 4.32 0.00 | 96.72 5.42 -0.45 | 368.98 10.72 -206.47 | 160.41 7.73 -33.33 | 68.55 4.19 0.00 | 65.84 4.05 -0.14 | 60.86 4.28 -0.40 | 72.42 5.04 -3.68 | 75.04 5.50 -0.23 | 71.82 4.90 -2.64 | 67.75 4.43 -0.62 | 61.92 3.73 0.00 | 90.72 5.14 -0.30 | 70.00 3.95 -4.87 | 54.52 3.14 -4.90 | 66.11 2.72 -20.82 | 86.69 2.68 -41.36 |
| CALPINE_BP_GT1 23823 | 52.26 2.77 -0.76 | 59.60 2.11 -20.43 | 35.05 1.93 0.00 | 32.05 1.77 0.00 | 35.40 1.85 0.00 | 40.31 2.04 0.00 | 49.24 2.62 0.00 | 81.13 4.32 0.00 | 96.72 5.42 -0.45 | 368.98 10.72 -206.47 | 160.41 7.73 -33.33 | 68.55 4.19 0.00 | 65.84 4.05 -0.14 | 60.86 4.28 -0.40 | 72.42 5.04 -3.68 | 75.04 5.50 -0.23 | 71.82 4.90 -2.64 | 67.75 4.43 -0.62 | 61.92 3.73 0.00 | 90.72 5.14 -0.30 | 70.00 3.95 -4.87 | 54.52 3.14 -4.90 | 66.11 2.72 -20.82 | 86.69 2.68 -41.36 |
| CALSPAN___DRP 24200 | 40.58 -3.46 4.69 | 28.80 -2.79 5.47 | 25.38 -2.61 5.13 | 22.81 -2.51 4.96 | 25.81 -2.46 5.28 | 32.09 -2.26 3.91 | 37.00 -3.14 6.48 | 60.39 -6.37 10.05 | 74.32 -6.90 9.64 | 125.88 -10.70 15.21 | 93.86 -9.26 16.22 | 49.62 -5.35 9.40 | 45.30 -5.06 11.30 | 37.41 -4.61 14.15 | 42.71 -5.80 15.20 | 43.75 -6.21 19.34 | 42.39 -5.85 16.05 | 36.84 -5.33 20.53 | 33.50 -5.17 19.52 | 48.49 -7.70 29.08 | 45.46 -5.11 10.60 | 29.56 -3.58 13.33 | 32.83 -3.05 6.68 | 32.87 -3.21 6.58 |

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| CALVERTON___SOLAR 323806 | 52.54 3.06 -0.75 | 60.09 2.60 -20.43 | 35.50 2.38 0.00 | 32.47 2.20 0.00 | 35.79 2.24 0.00 | 40.69 2.42 0.00 | 49.78 3.16 0.00 | 80.52 3.70 0.00 | 96.12 4.79 -0.47 | 368.04 9.77 -206.47 | 159.62 6.95 -33.33 | 68.08 3.72 0.00 | 65.20 3.50 -0.04 | 59.92 3.64 -0.11 | 69.04 4.31 -1.03 | 74.14 4.76 -0.06 | 69.29 4.27 -0.74 | 67.01 4.14 -0.16 | 61.58 3.40 0.00 | 89.88 4.52 -0.08 | 66.25 3.71 -1.36 | 52.27 2.95 -2.85 | 65.16 2.93 -19.67 | 86.94 2.93 -41.36 |
| CANDIGU_WT_PWR 323617 | -16.12 -3.93 60.92 | -33.75 -3.28 67.53 | -33.54 -3.07 63.59 | -36.86 -2.67 64.46 | -37.90 -2.79 68.66 | -15.65 -3.12 50.80 | -39.78 -3.47 82.93 | -53.34 -5.61 124.53 | -51.62 -5.92 136.56 | -45.53 -10.32 187.00 | -28.00 -9.34 138.00 | -34.44 -5.32 93.48 | -37.17 -5.30 93.53 | -36.74 -5.09 87.83 | -49.06 -6.06 106.70 | -48.43 -6.41 111.33 | -46.14 -6.21 104.22 | -34.37 -5.78 91.31 | -36.52 -5.19 89.52 | -51.78 -6.65 130.41 | -53.03 -4.63 109.58 | -42.15 -3.90 84.73 | -41.40 -3.31 80.66 | -41.96 -3.51 81.11 |
| CARR STREET_E_SYR 24060 | 47.85 -0.88 0.00 | 36.39 -0.67 0.00 | 32.54 -0.58 0.00 | 29.77 -0.50 0.00 | 33.02 -0.53 0.00 | 37.68 -0.59 0.00 | 45.92 -0.70 0.00 | 75.48 -1.33 0.00 | 89.42 -1.44 0.00 | 149.39 -2.41 0.00 | 117.22 -2.12 0.00 | 63.16 -1.20 0.00 | 60.46 -1.20 0.00 | 54.96 -1.22 0.00 | 62.19 -1.52 0.00 | 67.77 -1.53 0.00 | 62.93 -1.35 0.00 | 61.43 -1.28 0.00 | 57.02 -1.17 0.00 | 83.73 -1.58 -0.03 | 60.21 -0.97 0.00 | 45.85 -0.63 0.00 | 42.06 -0.51 0.00 | 42.05 -0.60 0.00 |
| CARTHAGE___PAPER 23857 | 48.93 0.20 0.00 | 36.87 -0.19 0.00 | 32.78 -0.35 0.00 | 29.62 -0.66 0.00 | 33.01 -0.54 0.00 | 38.13 -0.14 0.00 | 47.07 0.45 0.00 | 77.06 0.25 0.00 | 91.00 0.14 0.00 | 155.12 -0.94 -4.27 | 125.39 -1.26 -7.31 | 67.40 -1.52 -4.56 | 61.46 -1.69 -1.49 | 54.75 -1.43 0.00 | 62.94 -0.76 0.00 | 69.48 0.17 0.00 | 65.19 0.91 0.00 | 63.07 0.36 0.00 | 58.35 0.16 0.00 | 86.83 1.25 -0.30 | 61.81 0.63 0.00 | 46.79 0.29 -0.02 | 45.66 -0.29 -3.39 | 44.16 -0.47 -1.98 |
| CASSADAGA_WT_PWR 323784 | 41.74 -4.77 2.22 | 30.19 -4.07 2.81 | 26.74 -3.77 2.61 | 24.51 -3.42 2.35 | 27.83 -3.22 2.50 | 33.77 -2.64 1.86 | 39.90 -3.59 3.14 | 66.58 -5.22 5.01 | 80.50 -4.81 5.55 | 136.86 -7.33 7.60 | 98.55 -8.86 11.93 | 52.17 -6.10 6.10 | 47.49 -5.64 8.53 | 38.38 -5.24 12.56 | 46.06 -6.58 11.06 | 48.20 -6.94 14.16 | 46.00 -6.84 11.44 | 36.30 -6.79 19.62 | 33.23 -6.47 18.48 | 52.50 -9.03 23.74 | 49.19 -5.64 6.35 | 30.31 -4.57 11.60 | 35.69 -3.44 3.43 | 35.67 -3.71 3.27 |
| CE_DUNWOOD___DRP 24194 | 50.56 1.84 0.00 | 38.42 1.36 0.00 | 34.42 1.30 0.00 | 31.51 1.23 0.00 | 34.88 1.32 0.00 | 39.76 1.49 0.00 | 48.71 2.09 0.00 | 80.89 4.08 0.00 | 95.56 4.70 0.00 | 160.08 8.29 0.00 | 125.83 6.49 0.00 | 67.97 3.62 0.00 | 65.14 3.48 0.00 | 59.57 3.39 0.00 | 67.70 4.00 0.00 | 73.64 4.33 0.00 | 68.21 3.92 0.00 | 66.23 3.52 0.00 | 61.32 3.13 0.00 | 89.67 4.40 0.00 | 64.50 3.32 0.00 | 48.90 2.42 0.00 | 44.57 2.01 0.00 | 44.49 1.84 0.00 |
| CE_MILLWOOD___DRP 24193 | 50.39 1.66 0.00 | 38.29 1.23 0.00 | 34.30 1.18 0.00 | 31.39 1.11 0.00 | 34.75 1.20 0.00 | 39.62 1.35 0.00 | 48.52 1.90 0.00 | 80.59 3.78 0.00 | 95.18 4.32 0.00 | 159.37 7.58 0.00 | 125.32 5.98 0.00 | 67.67 3.32 0.00 | 64.88 3.22 0.00 | 59.33 3.16 0.00 | 67.43 3.72 0.00 | 73.33 4.03 0.00 | 67.93 3.64 0.00 | 65.97 3.26 0.00 | 61.09 2.90 0.00 | 89.36 4.08 0.00 | 64.25 3.07 0.00 | 48.71 2.23 0.00 | 44.40 1.84 0.00 | 44.34 1.69 0.00 |
| CE_NYC2_DRP 24202 | 50.95 2.23 0.00 | 38.73 1.67 0.00 | 34.73 1.60 0.00 | 31.78 1.49 -0.01 | 35.17 1.61 0.00 | 40.10 1.83 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.73 5.52 -15.35 | 163.65 9.65 -2.21 | 126.83 7.48 0.00 | 68.55 4.18 0.00 | 65.70 4.04 -0.01 | 62.60 3.94 -2.49 | 70.35 4.62 -2.02 | 76.97 5.00 -2.67 | 71.50 4.54 -2.68 | 66.75 4.04 0.00 | 61.79 3.60 0.00 | 90.30 5.03 0.00 | 65.04 3.86 0.00 | 49.32 2.84 -0.01 | 44.89 2.32 0.00 | 44.85 2.19 -0.01 |
| CE_NYC_DRP 24195 | 50.76 2.04 0.00 | 38.58 1.52 0.00 | 34.57 1.45 0.00 | 31.64 1.36 0.00 | 35.03 1.47 0.00 | 39.94 1.67 0.00 | 48.97 2.35 0.00 | 81.37 4.56 0.00 | 96.00 5.15 0.00 | 160.85 9.05 0.00 | 126.42 7.08 0.00 | 68.30 3.94 0.00 | 65.48 3.83 0.00 | 59.90 3.73 0.00 | 68.11 4.41 0.00 | 74.07 4.76 0.00 | 68.60 4.32 0.00 | 66.56 3.85 0.00 | 61.58 3.40 0.00 | 90.04 4.76 0.00 | 64.80 3.62 0.00 | 49.13 2.65 0.00 | 44.73 2.16 0.00 | 44.65 2.00 0.00 |
| CHAFFEE___LFGE 323603 | 46.29 -2.43 0.00 | 34.45 -2.20 0.42 | 30.79 -1.97 0.36 | 28.49 -1.78 0.00 | 31.83 -1.73 0.00 | 36.39 -1.88 0.00 | 44.60 -2.02 0.00 | 73.26 -3.55 0.00 | 86.92 -3.94 0.00 | 145.90 -5.89 0.00 | 105.51 -6.23 7.60 | 57.95 -3.64 2.77 | 52.75 -3.21 5.70 | 42.26 -3.09 10.83 | 52.94 -3.86 6.90 | 56.54 -3.84 8.92 | 53.13 -4.33 6.83 | 39.86 -4.21 18.64 | 36.63 -4.18 17.38 | 60.93 -5.83 18.52 | 55.38 -3.66 2.14 | 33.84 -2.80 9.83 | 39.94 -2.41 0.21 | 40.26 -2.40 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 49.56 0.83 0.00 | 37.44 0.38 0.00 | 33.34 0.22 0.00 | 30.26 -0.01 0.00 | 33.44 -0.11 0.00 | 38.04 -0.23 0.00 | 46.24 -0.38 0.00 | 76.12 -0.69 0.00 | 89.69 -1.17 0.00 | 65.99 -3.18 82.62 | -24.83 -2.64 141.54 | -25.37 -1.41 88.32 | 31.31 -1.47 28.88 | 55.00 -1.18 0.00 | 62.50 -1.21 0.00 | 68.30 -1.01 0.00 | 64.08 -0.21 0.00 | 63.29 0.58 0.00 | 58.88 0.69 0.00 | 87.16 1.30 -0.58 | 60.72 -0.46 0.00 | 45.19 -0.87 0.42 | -24.17 -1.18 65.55 | 3.26 -1.09 38.31 |
| CHATEAUG_WT_PWR 323614 | 49.41 0.68 0.00 | 37.36 0.29 0.00 | 33.27 0.15 0.00 | 30.20 -0.08 0.00 | 33.37 -0.18 0.00 | 37.96 -0.31 0.00 | 46.09 -0.53 0.00 | 75.80 -1.01 0.00 | 89.36 -1.50 0.00 | 70.98 -3.76 77.05 | -15.76 -3.09 132.00 | -19.64 -1.63 82.37 | 33.17 -1.56 26.93 | 54.98 -1.19 0.00 | 62.47 -1.23 0.00 | 68.28 -1.02 0.00 | 63.99 -0.29 0.00 | 63.19 0.48 0.00 | 58.72 0.53 0.00 | 86.87 1.05 -0.54 | 60.56 -0.61 0.00 | 45.09 -0.99 0.39 | -19.88 -1.30 61.14 | 5.70 -1.23 35.72 |
| CHAT_HIGH_FALL_HYD 323578 | 49.56 0.83 0.00 | 37.44 0.38 0.00 | 33.34 0.22 0.00 | 30.26 -0.01 0.00 | 33.44 -0.11 0.00 | 38.04 -0.23 0.00 | 46.24 -0.38 0.00 | 76.12 -0.69 0.00 | 89.69 -1.17 0.00 | 65.99 -3.18 82.62 | -24.83 -2.64 141.54 | -25.37 -1.41 88.32 | 31.31 -1.47 28.88 | 55.00 -1.18 0.00 | 62.50 -1.21 0.00 | 68.30 -1.01 0.00 | 64.08 -0.21 0.00 | 63.29 0.58 0.00 | 58.88 0.69 0.00 | 87.16 1.30 -0.58 | 60.72 -0.46 0.00 | 45.19 -0.87 0.42 | -24.17 -1.18 65.55 | 3.26 -1.09 38.31 |
| CHAUTAUQUA___LFGE 323629 | 41.43 -3.98 3.31 | 29.62 -3.45 3.99 | 26.18 -3.21 3.73 | 23.86 -2.91 3.51 | 27.05 -2.76 3.73 | 33.11 -2.39 2.77 | 38.79 -3.21 4.63 | 64.54 -5.03 7.25 | 78.12 -4.72 8.02 | 133.62 -7.19 10.98 | 97.16 -8.32 13.87 | 51.32 -5.49 7.56 | 46.72 -5.19 9.75 | 38.09 -4.84 13.25 | 45.00 -5.85 12.84 | 46.84 -6.12 16.36 | 44.77 -6.10 13.41 | 36.60 -6.03 20.08 | 33.50 -5.70 18.99 | 51.44 -7.86 25.97 | 47.85 -5.10 8.23 | 30.01 -4.06 12.41 | 34.57 -3.12 4.87 | 34.58 -3.34 4.74 |
| CHERRYST_13_KV_LD 356241 | 50.89 2.16 0.00 | 38.67 1.61 0.00 | 34.66 1.54 0.00 | 31.72 1.44 0.00 | 35.12 1.56 0.00 | 40.05 1.79 0.00 | 49.11 2.49 0.00 | 81.61 4.79 0.00 | 96.30 5.44 0.00 | 161.37 9.58 0.00 | 126.83 7.48 0.00 | 68.54 4.18 0.00 | 65.71 4.05 0.00 | 60.11 3.94 0.00 | 68.33 4.63 0.00 | 74.32 5.02 0.00 | 68.81 4.53 0.00 | 66.78 4.07 0.00 | 61.76 3.57 0.00 | 90.29 5.02 0.00 | 64.98 3.80 0.00 | 49.26 2.78 0.00 | 44.84 2.28 0.00 | 44.76 2.11 0.00 |

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| CHESTROR_138KV_BK263 355645 | 49.96 1.24 0.00 | 37.97 0.91 0.00 | 33.99 0.87 0.00 | 31.11 0.83 0.00 | 34.46 0.91 0.00 | 39.30 1.03 0.00 | 48.06 1.44 0.00 | 79.76 2.95 0.00 | 94.20 3.35 0.00 | 157.64 5.85 0.00 | 124.01 4.67 0.00 | 66.97 2.61 0.00 | 64.20 2.54 0.00 | 58.65 2.47 0.00 | 66.64 2.94 0.00 | 72.49 3.18 0.00 | 67.13 2.84 0.00 | 65.23 2.53 0.00 | 60.48 2.29 0.00 | 88.50 3.22 0.00 | 63.62 2.44 0.00 | 48.23 1.76 0.00 | 43.98 1.42 0.00 | 43.96 1.31 0.00 |
| CH_MIDHUDSON___DRP 24192 | 50.52 1.80 0.00 | 38.40 1.34 0.00 | 34.39 1.27 0.00 | 31.48 1.21 0.00 | 34.85 1.30 0.00 | 39.71 1.44 0.00 | 48.64 2.02 0.00 | 80.74 3.93 0.00 | 95.50 4.64 0.00 | 159.84 8.05 0.00 | 125.74 6.40 0.00 | 67.91 3.55 0.00 | 65.08 3.42 0.00 | 59.47 3.29 0.00 | 67.55 3.85 0.00 | 73.45 4.15 0.00 | 68.03 3.74 0.00 | 66.13 3.42 0.00 | 61.29 3.10 0.00 | 89.65 4.37 0.00 | 64.44 3.26 0.00 | 48.83 2.35 0.00 | 44.53 1.97 0.00 | 44.47 1.82 0.00 |
| CH_MISC_IPPS 23765 | 50.71 1.99 0.00 | 38.53 1.47 0.00 | 34.49 1.37 0.00 | 31.57 1.30 0.00 | 34.97 1.42 0.00 | 39.88 1.61 0.00 | 48.87 2.25 0.00 | 81.22 4.41 0.00 | 95.95 5.09 0.00 | 160.59 8.80 0.00 | 126.34 7.00 0.00 | 68.23 3.87 0.00 | 65.39 3.73 0.00 | 59.76 3.58 0.00 | 67.85 4.15 0.00 | 73.80 4.49 0.00 | 68.35 4.06 0.00 | 66.45 3.74 0.00 | 61.59 3.40 0.00 | 90.11 4.83 0.00 | 64.76 3.58 0.00 | 49.07 2.59 0.00 | 44.73 2.16 0.00 | 44.65 2.00 0.00 |
| CH_RES_BVR_FALLS 23983 | 48.37 -0.35 0.00 | 36.69 -0.37 0.00 | 32.44 -0.68 0.00 | 29.55 -0.73 0.00 | 32.88 -0.68 0.00 | 37.51 -0.76 0.00 | 45.52 -1.10 0.00 | 74.89 -1.92 0.00 | 88.60 -2.26 0.00 | 147.88 -3.91 0.00 | 116.43 -2.91 0.00 | 62.89 -1.47 0.00 | 60.41 -1.25 0.00 | 55.04 -1.14 0.00 | 62.74 -0.96 0.00 | 68.60 -0.71 0.00 | 64.03 -0.25 0.00 | 62.20 -0.51 0.00 | 57.44 -0.75 0.00 | 84.28 -0.95 0.04 | 60.33 -0.84 0.00 | 45.60 -0.88 0.00 | 41.61 -0.96 0.00 | 41.95 -0.71 0.00 |
| CH_RES_NIAGARA 23895 | 37.75 -4.95 6.02 | 26.32 -3.84 6.90 | 23.11 -3.53 6.48 | 20.56 -3.35 6.37 | 23.35 -3.42 6.79 | 29.87 -3.38 5.03 | 33.64 -4.70 8.28 | 54.62 -9.42 12.77 | 66.00 -10.74 14.12 | 115.54 -16.92 19.33 | 86.97 -13.90 18.47 | 45.42 -7.74 11.20 | 41.55 -7.30 12.82 | 34.52 -6.59 15.06 | 38.20 -8.00 17.51 | 38.30 -8.73 22.28 | 37.57 -8.08 18.64 | 34.33 -7.48 20.90 | 31.08 -7.15 19.96 | 42.43 -10.71 32.13 | 41.04 -7.23 12.91 | 27.15 -5.15 14.17 | 29.72 -4.40 8.44 | 29.75 -4.53 8.37 |
| CH_RES_SYRACUSE 23985 | 48.11 -0.61 0.00 | 36.59 -0.47 0.00 | 32.75 -0.37 0.00 | 29.96 -0.32 0.00 | 33.24 -0.31 0.00 | 37.93 -0.34 0.00 | 46.18 -0.44 0.00 | 76.00 -0.81 0.00 | 89.99 -0.86 0.00 | 150.33 -1.47 0.00 | 117.88 -1.47 0.00 | 63.49 -0.87 0.00 | 60.76 -0.90 0.00 | 55.20 -0.98 0.00 | 62.45 -1.25 0.00 | 68.13 -1.18 0.00 | 63.21 -1.08 0.00 | 61.78 -0.93 0.00 | 57.36 -0.90 0.00 | 84.28 -1.02 -0.02 | 60.58 -0.59 0.00 | 46.11 -0.37 0.00 | 42.28 -0.28 0.00 | 42.28 -0.37 0.00 |
| CLINTON_WT_PWR 323605 | 49.41 0.68 0.00 | 37.36 0.29 0.00 | 33.27 0.15 0.00 | 30.20 -0.08 0.00 | 33.37 -0.18 0.00 | 37.96 -0.31 0.00 | 46.09 -0.53 0.00 | 75.80 -1.01 0.00 | 89.36 -1.50 0.00 | 70.98 -3.76 77.05 | -15.76 -3.09 132.00 | -19.64 -1.63 82.37 | 33.17 -1.56 26.93 | 54.98 -1.19 0.00 | 62.47 -1.23 0.00 | 68.28 -1.02 0.00 | 63.99 -0.29 0.00 | 63.19 0.48 0.00 | 58.72 0.53 0.00 | 86.87 1.05 -0.54 | 60.56 -0.61 0.00 | 45.09 -0.99 0.39 | -19.88 -1.30 61.14 | 5.70 -1.23 35.72 |
| CLINTON___LFGE 323618 | 50.09 1.37 0.00 | 37.77 0.71 0.00 | 33.68 0.56 0.00 | 30.47 0.19 0.00 | 33.58 0.02 0.00 | 38.15 -0.12 0.00 | 46.35 -0.27 0.00 | 76.16 -0.65 0.00 | 89.79 -1.07 0.00 | 70.03 -2.83 78.93 | -17.75 -1.88 135.21 | -20.91 -0.89 84.37 | 33.02 -1.05 27.59 | 55.44 -0.74 0.00 | 62.96 -0.74 0.00 | 68.74 -0.57 0.00 | 64.58 0.30 0.00 | 64.06 1.35 0.00 | 59.70 1.51 0.00 | 88.39 2.56 -0.56 | 61.36 0.19 0.00 | 45.56 -0.52 0.40 | -20.85 -0.79 62.62 | 5.06 -1.00 36.59 |
| COBBLENY_34_KV_TB1 80064 | 46.26 -2.47 0.00 | 34.42 -2.22 0.42 | 30.77 -1.99 0.36 | 28.45 -1.82 0.00 | 31.79 -1.76 0.00 | 36.37 -1.90 0.00 | 44.57 -2.05 0.00 | 73.20 -3.62 0.00 | 86.87 -3.99 0.00 | 145.65 -6.14 0.00 | 105.51 -6.23 7.60 | 57.85 -3.74 2.77 | 52.68 -3.28 5.70 | 42.47 -2.88 10.83 | 52.85 -3.95 6.90 | 56.37 -4.02 8.92 | 53.02 -4.43 6.83 | 39.97 -4.11 18.64 | 36.74 -4.07 17.38 | 60.94 -5.81 18.52 | 55.23 -3.81 2.14 | 34.02 -2.62 9.83 | 39.91 -2.44 0.21 | 40.23 -2.43 0.00 |
| COFFEEN___115KV_TB3 355620 | 49.07 0.35 0.00 | 36.95 -0.11 0.00 | 32.84 -0.29 0.00 | 29.66 -0.62 0.00 | 33.08 -0.48 0.00 | 38.20 -0.06 0.00 | 47.29 0.67 0.00 | 77.49 0.67 0.00 | 91.51 0.65 0.00 | 155.07 -0.28 -3.55 | 124.49 -0.94 -6.08 | 66.51 -1.65 -3.80 | 60.88 -2.02 -1.24 | 54.73 -1.45 0.00 | 62.91 -0.79 0.00 | 69.64 0.33 0.00 | 65.15 0.86 0.00 | 62.86 0.15 0.00 | 58.50 0.31 0.00 | 87.00 1.47 -0.25 | 62.06 0.88 0.00 | 46.98 0.49 -0.02 | 45.28 -0.10 -2.82 | 43.95 -0.35 -1.65 |
| COLDSPRG_115KV_BK1 355956 | 46.03 -2.70 0.00 | 34.20 -2.46 0.40 | 30.48 -2.29 0.34 | 28.21 -2.07 0.00 | 31.68 -1.88 0.00 | 36.75 -1.52 0.00 | 44.75 -1.87 0.00 | 73.84 -2.97 0.00 | 88.31 -2.55 0.00 | 148.11 -3.68 0.00 | 106.89 -5.11 7.34 | 57.98 -3.65 2.73 | 52.76 -3.29 5.61 | 42.57 -2.95 10.66 | 52.67 -4.00 7.03 | 55.86 -4.15 9.30 | 52.83 -4.38 7.08 | 40.43 -4.15 18.13 | 37.27 -4.01 16.90 | 60.81 -5.57 18.89 | 55.59 -3.48 2.11 | 34.39 -2.60 9.49 | 40.27 -2.08 0.21 | 40.37 -2.28 0.00 |
| COLONIE_LFGE___ 323577 | 50.14 1.41 0.00 | 38.21 1.15 0.00 | 34.20 1.09 0.00 | 31.32 1.04 0.00 | 34.62 1.07 0.00 | 39.36 1.09 0.00 | 48.03 1.41 0.00 | 79.58 2.77 0.00 | 94.23 3.37 0.00 | 157.11 5.32 0.00 | 123.96 4.62 0.00 | 66.90 2.54 0.00 | 64.13 2.47 0.00 | 58.53 2.36 0.00 | 66.48 2.78 0.00 | 72.17 2.86 0.00 | 66.74 2.46 0.00 | 65.07 2.36 0.00 | 60.45 2.27 0.00 | 88.36 3.09 0.00 | 63.39 2.21 0.00 | 48.07 1.59 0.00 | 44.03 1.47 0.00 | 44.26 1.61 0.00 |
| COOPERNY_115KV_TB1 80082 | 49.53 0.80 0.00 | 37.64 0.58 0.00 | 33.69 0.56 0.00 | 30.82 0.55 0.00 | 34.15 0.60 0.00 | 38.97 0.70 0.00 | 47.61 0.99 0.00 | 78.86 2.05 0.00 | 93.17 2.31 0.00 | 155.93 4.13 0.00 | 122.59 3.25 0.00 | 66.16 1.80 0.00 | 63.41 1.75 0.00 | 57.89 1.71 0.00 | 65.71 2.01 0.00 | 71.46 2.16 0.00 | 66.21 1.93 0.00 | 64.41 1.70 0.00 | 59.70 1.51 0.00 | 87.44 2.17 0.00 | 62.84 1.66 0.00 | 47.67 1.19 0.00 | 43.53 0.97 0.00 | 43.53 0.88 0.00 |
| COPENHAGEN_WT_PWR 323753 | 48.35 -0.38 0.00 | 36.35 -0.71 0.00 | 32.28 -0.84 0.00 | 29.08 -1.19 0.00 | 32.42 -1.13 0.00 | 37.45 -0.82 0.00 | 46.40 -0.22 0.00 | 75.90 -0.91 0.00 | 89.55 -1.31 0.00 | 151.39 -3.77 -3.36 | 121.59 -3.50 -5.75 | 65.22 -2.73 -3.59 | 59.86 -2.97 -1.17 | 53.68 -2.49 0.00 | 61.95 -1.76 0.00 | 68.71 -0.60 0.00 | 64.43 0.15 0.00 | 62.02 -0.69 0.00 | 57.23 -0.96 0.00 | 85.21 -0.30 -0.24 | 60.84 -0.34 0.00 | 46.08 -0.41 -0.02 | 44.27 -0.95 -2.67 | 43.03 -1.18 -1.56 |
| CORNELL_____ 23752 | 51.56 0.04 -2.80 | 41.56 -0.11 -4.62 | 37.25 -0.09 -4.22 | 33.20 -0.04 -2.96 | 36.72 0.01 -3.16 | 40.69 0.08 -2.34 | 50.74 0.26 -3.86 | 83.05 0.49 -5.74 | 98.23 0.96 -6.40 | 162.12 1.56 -8.77 | 150.85 0.79 -30.72 | 77.94 0.29 -13.29 | 84.55 0.17 -22.72 | 95.00 -0.13 -38.95 | 75.91 -0.82 -13.03 | 71.76 -0.75 -3.20 | 69.21 -0.59 -5.52 | 125.51 -0.10 -62.91 | 116.96 0.05 -58.72 | 108.40 0.52 -22.60 | 71.89 0.66 -10.04 | 85.40 0.50 -38.42 | 47.36 0.41 -4.39 | 46.54 0.24 -3.65 |

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| CORONA V_69_KV_TB1 355595 | 52.37 2.88 -0.76 | 59.67 2.18 -20.43 | 35.12 2.01 0.00 | 32.13 1.85 0.00 | 35.51 1.95 0.00 | 40.43 2.16 0.00 | 49.51 2.89 0.00 | 81.76 4.95 0.00 | 97.20 6.01 -0.34 | 369.79 11.53 -206.47 | 161.21 8.53 -33.33 | 69.12 4.76 0.00 | 66.79 4.53 -0.60 | 62.37 4.45 -1.74 | 86.77 5.26 -17.81 | 76.17 5.73 -1.13 | 82.27 5.23 -12.76 | 70.28 4.89 -2.68 | 62.42 4.23 0.00 | 92.54 5.82 -1.45 | 89.16 4.53 -23.46 | 64.08 3.42 -14.18 | 71.54 2.95 -26.02 | 86.80 2.78 -41.36 |
| CORTLAND_115KV_TB3 80093 | 48.51 -0.21 0.00 | 37.22 -0.25 -0.41 | 33.25 -0.22 -0.36 | 30.11 -0.17 0.00 | 33.42 -0.13 0.00 | 38.18 -0.09 0.00 | 46.65 0.03 0.00 | 76.90 0.09 0.00 | 91.24 0.38 0.00 | 152.38 0.59 0.00 | 126.15 0.10 -6.71 | 66.85 0.00 -2.49 | 66.76 -0.03 -5.13 | 65.73 -0.19 -9.74 | 65.18 -0.64 -2.11 | 67.78 -0.68 0.85 | 63.77 -0.49 0.02 | 78.48 -0.26 -16.04 | 72.93 -0.18 -14.92 | 89.43 0.04 -4.11 | 62.74 0.18 -1.38 | 56.10 0.15 -9.48 | 42.90 0.13 -0.21 | 42.66 0.00 0.00 |
| COXSACKIE___GT 23611 | 51.44 2.72 0.00 | 39.18 2.11 0.00 | 35.04 1.92 0.00 | 32.12 1.84 0.00 | 35.53 1.98 0.00 | 40.55 2.28 0.00 | 49.67 3.05 0.00 | 82.48 5.67 0.00 | 97.97 7.11 0.00 | 163.44 11.65 0.00 | 128.82 9.48 0.00 | 69.51 5.15 0.00 | 66.52 4.86 0.00 | 60.45 4.27 0.00 | 68.37 4.67 0.00 | 74.36 5.05 0.00 | 68.91 4.63 0.00 | 66.95 4.24 0.00 | 62.54 4.35 0.00 | 91.59 6.31 0.00 | 65.64 4.47 0.00 | 49.65 3.17 0.00 | 45.32 2.76 0.00 | 45.35 2.69 0.00 |
| CPV_VALLEY___CC1 323721 | 49.60 0.87 0.00 | 37.71 0.65 0.00 | 33.76 0.64 0.00 | 30.89 0.61 0.00 | 34.22 0.67 0.00 | 39.03 0.76 0.00 | 47.71 1.09 0.00 | 79.14 2.33 0.00 | 93.48 2.62 0.00 | 156.37 4.58 0.00 | 123.05 3.71 0.00 | 66.43 2.08 0.00 | 63.66 2.01 0.00 | 58.17 1.99 0.00 | 66.07 2.37 0.00 | 71.86 2.56 0.00 | 66.58 2.29 0.00 | 64.72 2.02 0.00 | 59.98 1.79 0.00 | 87.77 2.50 0.00 | 63.08 1.90 0.00 | 47.86 1.38 0.00 | 43.65 1.09 0.00 | 43.64 0.99 0.00 |
| CPV_VALLEY___CC2 323722 | 49.60 0.87 0.00 | 37.71 0.65 0.00 | 33.76 0.64 0.00 | 30.89 0.61 0.00 | 34.22 0.67 0.00 | 39.03 0.76 0.00 | 47.71 1.09 0.00 | 79.14 2.33 0.00 | 93.48 2.62 0.00 | 156.37 4.58 0.00 | 123.05 3.71 0.00 | 66.43 2.08 0.00 | 63.66 2.01 0.00 | 58.17 1.99 0.00 | 66.07 2.37 0.00 | 71.86 2.56 0.00 | 66.58 2.29 0.00 | 64.72 2.02 0.00 | 59.98 1.79 0.00 | 87.77 2.50 0.00 | 63.08 1.90 0.00 | 47.86 1.38 0.00 | 43.65 1.09 0.00 | 43.64 0.99 0.00 |
| CRESCENT___HYD 24018 | 50.14 1.41 0.00 | 38.21 1.15 0.00 | 34.20 1.09 0.00 | 31.32 1.04 0.00 | 34.62 1.07 0.00 | 39.36 1.41 0.00 | 48.03 2.77 0.00 | 79.58 3.37 0.00 | 94.23 5.32 0.00 | 157.11 4.62 0.00 | 123.96 2.54 0.00 | 66.90 2.47 0.00 | 64.13 2.36 0.00 | 58.53 2.78 0.00 | 66.48 2.86 0.00 | 72.17 2.86 0.00 | 66.74 2.46 0.00 | 65.07 2.36 0.00 | 60.45 2.27 0.00 | 88.36 3.09 0.00 | 63.39 2.21 0.00 | 48.07 1.59 0.00 | 44.03 1.47 0.00 | 44.26 1.61 0.00 |
| CRICKET___VALLEY_CC1 323756 | 50.11 1.39 0.00 | 38.10 1.04 0.00 | 34.14 1.01 0.00 | 31.28 1.01 0.00 | 34.61 1.06 0.00 | 39.36 1.09 0.00 | 48.19 1.57 0.00 | 80.04 3.23 0.00 | 94.67 3.81 0.00 | 158.23 6.43 0.00 | 124.58 5.24 0.00 | 67.30 2.95 0.00 | 64.51 2.85 0.00 | 58.98 2.81 0.00 | 66.99 3.30 0.00 | 72.81 3.51 0.00 | 67.46 3.18 0.00 | 65.63 2.92 0.00 | 60.84 2.65 0.00 | 88.86 3.59 0.00 | 63.84 2.66 0.00 | 48.37 1.89 0.00 | 44.17 1.60 0.00 | 44.14 1.49 0.00 |
| CRICKET___VALLEY_CC2 323757 | 50.11 1.39 0.00 | 38.10 1.04 0.00 | 34.14 1.01 0.00 | 31.28 1.01 0.00 | 34.61 1.06 0.00 | 39.36 1.09 0.00 | 48.19 1.57 0.00 | 80.04 3.23 0.00 | 94.67 3.81 0.00 | 158.23 6.43 0.00 | 124.58 5.24 0.00 | 67.30 2.95 0.00 | 64.51 2.85 0.00 | 58.98 2.81 0.00 | 66.99 3.30 0.00 | 72.81 3.51 0.00 | 67.46 3.18 0.00 | 65.63 2.92 0.00 | 60.84 2.65 0.00 | 88.86 3.59 0.00 | 63.84 2.66 0.00 | 48.37 1.89 0.00 | 44.17 1.60 0.00 | 44.14 1.49 0.00 |
| CRICKET___VALLEY_CC3 323758 | 50.11 1.39 0.00 | 38.10 1.04 0.00 | 34.14 1.01 0.00 | 31.28 1.01 0.00 | 34.61 1.06 0.00 | 39.36 1.09 0.00 | 48.19 1.57 0.00 | 80.04 3.23 0.00 | 94.67 3.81 0.00 | 158.23 6.43 0.00 | 124.58 5.24 0.00 | 67.30 2.95 0.00 | 64.51 2.85 0.00 | 58.98 2.81 0.00 | 66.99 3.30 0.00 | 72.81 3.51 0.00 | 67.46 3.18 0.00 | 65.63 2.92 0.00 | 60.84 2.65 0.00 | 88.86 3.59 0.00 | 63.84 2.66 0.00 | 48.37 1.89 0.00 | 44.17 1.60 0.00 | 44.14 1.49 0.00 |
| CRUCIBLE_METL_DRP 24180 | 48.11 -0.62 0.00 | 36.59 -0.47 0.00 | 32.74 -0.38 0.00 | 29.96 -0.32 0.00 | 33.24 -0.31 0.00 | 37.93 -0.34 0.00 | 46.18 -0.44 0.00 | 75.99 -0.82 0.00 | 89.99 -0.87 0.00 | 150.27 -1.52 0.00 | 117.88 -1.46 0.00 | 63.49 -0.87 0.00 | 60.75 -0.91 0.00 | 55.20 -0.97 0.00 | 62.45 -1.25 0.00 | 68.12 -1.19 0.00 | 63.20 -1.08 0.00 | 61.79 -0.92 0.00 | 57.36 -0.83 0.00 | 84.27 -1.03 -0.02 | 60.58 -0.60 0.00 | 46.12 -0.36 0.00 | 42.28 -0.28 0.00 | 42.28 -0.37 0.00 |
| DAHOWA___HYDRO 323763 | 51.07 2.34 0.00 | 38.85 1.79 0.00 | 34.76 1.63 0.00 | 31.74 1.46 0.00 | 35.07 1.52 0.00 | 39.82 1.56 0.00 | 48.57 1.95 0.00 | 80.49 3.68 0.00 | 95.48 4.62 0.00 | 159.34 7.55 0.00 | 125.31 5.97 0.00 | 67.61 3.25 0.00 | 64.82 3.16 0.00 | 59.07 2.90 0.00 | 67.06 3.36 0.00 | 72.84 3.54 0.00 | 67.31 3.02 0.00 | 65.77 3.06 0.00 | 61.19 3.00 0.00 | 89.47 4.19 0.00 | 64.05 2.87 0.00 | 48.50 2.02 0.00 | 44.44 1.88 0.00 | 44.89 2.24 0.00 |
| DANC___LFGE 323619 | 47.92 -0.80 0.00 | 36.20 -0.86 0.00 | 32.24 -0.88 0.00 | 29.22 -1.06 0.00 | 32.51 -1.04 0.00 | 37.37 -0.90 0.00 | 46.00 -0.62 0.00 | 75.39 -1.42 0.00 | 89.09 -1.77 0.00 | 150.13 -3.97 -2.31 | 119.72 -3.57 -3.95 | 64.32 -2.50 -2.47 | 59.80 -2.67 -0.81 | 53.87 -2.31 0.00 | 61.72 -1.98 0.00 | 67.97 -1.33 0.00 | 63.53 -0.75 0.00 | 61.49 -1.21 0.00 | 56.88 -1.31 0.00 | 84.29 -1.15 -0.16 | 60.32 -0.86 0.00 | 45.82 -0.67 -0.01 | 43.44 -0.95 -1.83 | 42.59 -1.13 -1.07 |
| DANSKAMMER___1 23586 | 50.71 1.99 0.00 | 38.53 1.47 0.00 | 34.49 1.37 0.00 | 31.57 1.30 0.00 | 34.97 1.42 0.00 | 39.88 1.61 0.00 | 48.87 2.25 0.00 | 81.22 4.41 0.00 | 95.95 5.09 0.00 | 160.59 8.80 0.00 | 126.34 7.00 0.00 | 68.23 3.87 0.00 | 65.39 3.73 0.00 | 59.76 3.58 0.00 | 67.85 4.15 0.00 | 73.80 4.49 0.00 | 68.35 4.06 0.00 | 66.45 3.74 0.00 | 61.59 3.40 0.00 | 90.11 4.83 0.00 | 64.76 3.58 0.00 | 49.07 2.59 0.00 | 44.73 2.16 0.00 | 44.65 2.00 0.00 |
| DANSKAMMER___2 23589 | 50.71 1.99 0.00 | 38.53 1.47 0.00 | 34.49 1.37 0.00 | 31.57 1.30 0.00 | 34.97 1.42 0.00 | 39.88 1.61 0.00 | 48.87 2.25 0.00 | 81.22 4.41 0.00 | 95.95 5.09 0.00 | 160.59 8.80 0.00 | 126.34 7.00 0.00 | 68.23 3.87 0.00 | 65.39 3.73 0.00 | 59.76 3.58 0.00 | 67.85 4.15 0.00 | 73.80 4.49 0.00 | 68.35 4.06 0.00 | 66.45 3.74 0.00 | 61.59 3.40 0.00 | 90.11 4.83 0.00 | 64.76 3.58 0.00 | 49.07 2.59 0.00 | 44.73 2.16 0.00 | 44.65 2.00 0.00 |
| DANSKAMMER___3 23590 | 50.71 1.99 0.00 | 38.53 1.47 0.00 | 34.49 1.37 0.00 | 31.57 1.30 0.00 | 34.97 1.42 0.00 | 39.88 1.61 0.00 | 48.87 2.25 0.00 | 81.22 4.41 0.00 | 95.95 5.09 0.00 | 160.59 8.80 0.00 | 126.34 7.00 0.00 | 68.23 3.87 0.00 | 65.39 3.73 0.00 | 59.76 3.58 0.00 | 67.85 4.15 0.00 | 73.80 4.49 0.00 | 68.35 4.06 0.00 | 66.45 3.74 0.00 | 61.59 3.40 0.00 | 90.11 4.83 0.00 | 64.76 3.58 0.00 | 49.07 2.59 0.00 | 44.73 2.16 0.00 | 44.65 2.00 0.00 |

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|--|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|--------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| DANSKAMMER___4 23591 | 50.71 1.99 0.00 | 38.53 1.47 0.00 | 34.49 1.37 0.00 | 31.57 1.30 0.00 | 34.97 1.42 0.00 | 39.88 1.61 0.00 | 48.87 2.25 0.00 | 81.22 4.41 0.00 | 95.95 5.09 0.00 | 160.59 8.80 0.00 | 126.34 7.00 0.00 | 68.23 3.87 0.00 | 65.39 3.73 0.00 | 59.76 3.58 0.00 | 67.85 4.15 0.00 | 73.80 4.49 0.00 | 68.35 4.06 0.00 | 66.45 3.74 0.00 | 61.59 3.40 0.00 | 90.11 4.83 0.00 | 64.76 3.58 0.00 | 49.07 2.59 0.00 | 44.73 2.16 0.00 | 44.65 2.00 0.00 |
| DANSKAMMER___DIESEL 23592 | 50.72 1.99 0.00 | 38.53 1.47 0.00 | 34.50 1.38 0.00 | 31.58 1.30 0.00 | 34.97 1.42 0.00 | 39.88 1.62 0.00 | 48.88 2.26 0.00 | 81.23 4.42 0.00 | 95.96 5.10 0.00 | 160.64 8.85 0.00 | 126.36 7.02 0.00 | 68.24 3.88 0.00 | 65.40 3.74 0.00 | 59.75 3.57 0.00 | 67.86 4.16 0.00 | 73.82 4.51 0.00 | 68.36 4.07 0.00 | 66.45 3.74 0.00 | 61.59 3.40 0.00 | 90.11 4.84 0.00 | 64.76 3.58 0.00 | 49.07 2.59 0.00 | 44.73 2.17 0.00 | 44.65 2.00 0.00 |
| DARBY___SOLAR 323810 | 50.67 1.94 0.00 | 38.57 1.51 0.00 | 34.51 1.39 0.00 | 31.56 1.28 0.00 | 34.90 1.34 0.00 | 39.66 1.40 0.00 | 48.40 1.78 0.00 | 80.20 3.39 0.00 | 95.02 4.16 0.00 | 158.68 6.89 0.00 | 125.11 5.77 0.00 | 67.53 3.17 0.00 | 64.71 3.05 0.00 | 59.00 2.82 0.00 | 66.96 3.26 0.00 | 72.75 3.45 0.00 | 67.23 2.94 0.00 | 65.67 2.96 0.00 | 61.09 2.91 0.00 | 89.33 4.05 0.00 | 63.97 2.79 0.00 | 48.46 1.98 0.00 | 44.40 1.84 0.00 | 44.82 2.16 0.00 |
| DASHVILLE___HYD 23610 | 50.48 1.75 0.00 | 38.36 1.30 0.00 | 34.34 1.22 0.00 | 31.42 1.14 0.00 | 34.81 1.26 0.00 | 39.67 1.40 0.00 | 48.59 1.97 0.00 | 80.63 3.81 0.00 | 95.40 4.54 0.00 | 159.65 7.85 0.00 | 125.60 6.25 0.00 | 67.83 3.47 0.00 | 65.01 3.35 0.00 | 59.38 3.21 0.00 | 67.41 3.71 0.00 | 73.30 3.99 0.00 | 67.91 3.62 0.00 | 65.93 3.22 0.00 | 61.15 2.97 0.00 | 89.47 4.20 0.00 | 64.32 3.14 0.00 | 48.75 2.27 0.00 | 44.47 1.91 0.00 | 44.40 1.75 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 53.24 3.76 -0.75 | 60.64 3.15 -20.43 | 35.94 2.82 0.00 | 32.87 2.59 0.00 | 36.11 2.56 0.00 | 40.93 2.66 0.00 | 50.04 3.42 0.00 | 80.30 3.49 0.00 | 95.62 4.29 -0.47 | 367.13 8.86 -206.47 | 158.85 6.18 -33.33 | 67.74 3.38 0.00 | 64.85 3.15 -0.04 | 59.61 3.33 -0.11 | 68.71 3.98 -1.03 | 73.80 4.43 -0.06 | 69.01 3.98 -0.74 | 66.77 3.90 -0.16 | 61.41 3.22 0.00 | 89.81 4.46 -0.08 | 66.21 3.67 -1.36 | 51.99 2.66 -2.85 | 65.04 2.80 -19.67 | 87.01 3.00 -41.36 |
| DELAWARE___LFGE 323621 | 49.52 0.79 0.00 | 37.59 0.53 0.00 | 33.60 0.48 0.00 | 30.73 0.45 0.00 | 34.08 0.53 0.00 | 38.92 0.65 0.00 | 47.55 0.93 0.00 | 78.57 1.76 0.00 | 92.96 2.10 0.00 | 155.58 3.79 0.00 | 122.23 2.86 -0.03 | 66.40 1.53 -0.51 | 64.19 1.49 -1.05 | 59.57 1.41 -1.99 | 65.31 1.58 -0.03 | 69.88 1.66 1.08 | 64.98 1.46 0.77 | 63.80 1.32 0.23 | 59.20 1.23 0.22 | 85.43 1.76 1.60 | 62.60 1.50 0.08 | 47.63 1.15 0.00 | 43.52 0.96 0.00 | 43.50 0.85 0.00 |
| DERFIELD_115KV_TB7 355931 | 48.68 -0.05 0.00 | 37.02 -0.04 0.00 | 33.09 -0.03 0.00 | 30.25 -0.03 0.00 | 33.52 -0.03 0.00 | 38.23 -0.05 0.00 | 46.57 -0.05 0.00 | 76.80 -0.01 0.00 | 90.94 0.08 0.00 | 151.94 0.15 0.00 | 119.52 0.18 0.00 | 64.54 0.18 0.00 | 61.84 0.19 0.00 | 56.36 0.19 0.00 | 63.95 0.25 0.00 | 69.49 0.18 0.00 | 64.42 0.14 0.00 | 62.82 0.11 0.00 | 58.31 0.12 0.00 | 85.48 0.17 -0.03 | 61.35 0.17 0.00 | 46.58 0.10 0.00 | 42.61 0.05 0.00 | 42.71 0.05 0.00 |
| DOGLEVILLE___HYD 23807 | 48.50 -0.22 0.00 | 36.80 -0.26 0.00 | 33.00 -0.13 0.00 | 30.26 -0.02 0.00 | 33.42 -0.13 0.00 | 38.10 -0.16 0.00 | 46.63 0.01 0.00 | 77.43 0.62 0.00 | 91.93 1.07 0.00 | 153.47 1.68 0.00 | 121.43 2.08 0.00 | 65.93 1.58 0.00 | 63.00 1.34 0.00 | 57.48 1.30 0.00 | 65.32 1.62 0.00 | 70.51 1.20 0.00 | 64.29 0.00 0.00 | 62.99 0.29 0.00 | 59.30 1.11 0.00 | 86.57 1.26 -0.03 | 62.31 1.13 0.00 | 47.26 0.78 0.00 | 43.10 0.54 0.00 | 43.15 0.50 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 41.40 -3.91 3.42 | 29.57 -3.39 4.10 | 26.13 -3.16 3.84 | 23.80 -2.86 3.62 | 26.98 -2.72 3.86 | 33.02 -2.39 2.86 | 38.70 -3.16 4.77 | 64.28 -5.06 7.47 | 77.83 -4.77 8.26 | 133.10 -7.39 11.30 | 97.02 -8.27 14.06 | 51.22 -5.43 7.70 | 46.67 -5.12 9.87 | 38.21 -4.65 13.32 | 44.91 -5.78 13.02 | 46.68 -6.06 16.57 | 44.64 -6.04 13.60 | 36.71 -5.87 20.12 | 33.58 -5.57 19.04 | 51.37 -7.72 26.19 | 47.66 -5.11 8.41 | 30.08 -3.91 12.49 | 34.48 -3.08 5.01 | 34.48 -3.30 4.88 |
| DUNKIRK___1 23563 | 41.40 -3.91 3.42 | 29.57 -3.39 4.10 | 26.13 -3.16 3.84 | 23.80 -2.86 3.62 | 26.98 -2.72 3.86 | 33.02 -2.39 2.86 | 38.70 -3.16 4.77 | 64.28 -5.06 7.47 | 77.83 -4.77 8.26 | 133.10 -7.39 11.30 | 97.02 -8.27 14.06 | 51.22 -5.43 7.70 | 46.67 -5.12 9.87 | 38.21 -4.65 13.32 | 44.91 -5.78 13.02 | 46.68 -6.06 16.57 | 44.64 -6.04 13.60 | 36.71 -5.87 20.12 | 33.58 -5.57 19.04 | 51.37 -7.72 26.19 | 47.66 -5.11 8.41 | 30.08 -3.91 12.49 | 34.48 -3.08 5.01 | 34.48 -3.30 4.88 |
| DUNKIRK___2 23564 | 41.40 -3.91 3.42 | 29.57 -3.39 4.10 | 26.13 -3.16 3.84 | 23.80 -2.86 3.62 | 26.98 -2.72 3.86 | 33.02 -2.39 2.86 | 38.70 -3.16 4.77 | 64.28 -5.06 7.47 | 77.83 -4.77 8.26 | 133.10 -7.39 11.30 | 97.02 -8.27 14.06 | 51.22 -5.43 7.70 | 46.67 -5.12 9.87 | 38.21 -4.65 13.32 | 44.91 -5.78 13.02 | 46.68 -6.06 16.57 | 44.64 -6.04 13.60 | 36.71 -5.87 20.12 | 33.58 -5.57 19.04 | 51.37 -7.72 26.19 | 47.66 -5.11 8.41 | 30.08 -3.91 12.49 | 34.48 -3.08 5.01 | 34.48 -3.30 4.88 |
| DUNKIRK___3 23565 | 41.20 -3.79 3.74 | 29.36 -3.26 4.45 | 25.93 -3.03 4.16 | 23.56 -2.76 3.95 | 26.69 -2.66 4.21 | 32.75 -2.40 3.12 | 38.25 -3.17 5.20 | 63.36 -5.34 8.12 | 76.63 -5.25 8.97 | 131.31 -8.20 12.28 | 96.19 -8.52 14.64 | 50.87 -5.37 8.12 | 46.38 -5.05 10.22 | 38.05 -4.61 13.51 | 44.48 -5.72 13.50 | 46.15 -6.01 17.14 | 44.19 -5.96 14.13 | 36.69 -5.74 20.29 | 33.51 -5.47 19.21 | 50.84 -7.68 26.76 | 47.12 -5.11 8.95 | 29.89 -3.84 12.75 | 34.05 -3.09 5.43 | 34.07 -3.28 5.30 |
| DUNKIRK___4 23566 | 41.20 -3.79 3.74 | 29.36 -3.26 4.45 | 25.93 -3.03 4.16 | 23.56 -2.76 3.95 | 26.69 -2.66 4.21 | 32.75 -2.40 3.12 | 38.25 -3.17 5.20 | 63.36 -5.34 8.12 | 76.63 -5.25 8.97 | 131.31 -8.20 12.28 | 96.19 -8.52 14.64 | 50.87 -5.37 8.12 | 46.38 -5.05 10.22 | 38.05 -4.61 13.51 | 44.48 -5.72 13.50 | 46.15 -6.01 17.14 | 44.19 -5.96 14.13 | 36.69 -5.74 20.29 | 33.51 -5.47 19.21 | 50.84 -7.68 26.76 | 47.12 -5.11 8.95 | 29.89 -3.84 12.75 | 34.05 -3.09 5.43 | 34.07 -3.28 5.30 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 50.65 1.93 0.00 | 38.49 1.43 0.00 | 34.49 1.36 0.00 | 31.56 1.28 0.00 | 34.93 1.37 0.00 | 39.83 1.56 0.00 | 48.81 2.19 0.00 | 81.07 4.26 0.00 | 95.79 4.93 0.00 | 160.47 8.68 0.00 | 126.13 6.79 0.00 | 68.11 3.76 0.00 | 65.30 3.64 0.00 | 59.72 3.55 0.00 | 67.88 4.18 0.00 | 73.83 4.52 0.00 | 68.38 4.09 0.00 | 66.40 3.69 0.00 | 61.45 3.26 0.00 | 89.87 4.59 0.00 | 64.66 3.48 0.00 | 49.03 2.55 0.00 | 44.66 2.10 0.00 | 44.56 1.91 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 50.30 1.58 0.00 | 38.22 1.16 0.00 | 34.22 1.10 0.00 | 31.31 1.03 0.00 | 34.68 1.13 0.00 | 39.57 1.30 0.00 | 48.45 1.83 0.00 | 80.46 3.65 0.00 | 95.02 4.16 0.00 | 159.06 7.27 0.00 | 125.14 5.80 0.00 | 67.58 3.22 0.00 | 64.76 3.11 0.00 | 59.18 3.00 0.00 | 67.22 3.52 0.00 | 73.12 3.82 0.00 | 67.72 3.44 0.00 | 65.80 3.09 0.00 | 61.00 2.81 0.00 | 89.26 3.99 0.00 | 64.16 2.98 0.00 | 48.62 2.14 0.00 | 44.32 1.76 0.00 | 44.27 1.61 0.00 |

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| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 50.79 2.06 0.00 | 38.62 1.56 0.00 | 34.63 1.51 0.00 | 31.67 1.38 -0.01 | 35.06 1.51 0.00 | 39.97 1.70 0.00 | 48.99 2.37 0.00 | 81.30 4.48 -0.01 | 95.98 5.11 -0.01 | 160.69 8.90 0.00 | 126.22 6.88 0.00 | 68.26 3.90 0.00 | 65.39 3.73 -0.01 | 59.84 3.65 -0.01 | 68.02 4.32 -0.01 | 73.95 4.64 0.00 | 68.49 4.21 0.00 | 66.46 3.74 0.00 | 61.51 3.32 0.00 | 89.96 4.68 0.00 | 64.75 3.57 0.00 | 49.10 2.63 -0.01 | 44.71 2.15 0.00 | 44.74 2.08 -0.01 |
| E179THST_13_KV_LOAD 356214 | 50.96 2.23 0.00 | 38.75 1.69 0.00 | 34.74 1.62 0.00 | 31.77 1.48 -0.01 | 35.17 1.62 0.00 | 40.11 1.84 0.00 | 49.16 2.53 0.00 | 81.63 4.81 -0.01 | 96.40 5.54 -0.01 | 161.39 9.60 0.00 | 126.77 7.43 0.00 | 68.57 4.21 0.00 | 65.70 4.03 -0.01 | 60.11 3.93 -0.01 | 68.33 4.62 -0.01 | 74.28 4.98 0.00 | 68.81 4.53 0.00 | 66.74 4.04 0.00 | 61.80 3.61 0.00 | 90.38 5.10 0.00 | 65.05 3.87 0.00 | 49.33 2.85 -0.01 | 44.90 2.34 0.00 | 44.92 2.26 -0.01 |
| EAST HAMPTON___GT 23717 | 53.76 4.28 -0.75 | 61.02 3.52 -20.43 | 36.21 3.09 0.00 | 33.09 2.82 0.00 | 36.14 2.58 0.00 | 40.82 2.55 0.00 | 49.86 3.24 0.00 | 79.33 2.51 0.00 | 94.07 2.74 -0.47 | 364.37 6.11 -206.47 | 156.75 4.07 -33.33 | 66.63 2.27 0.00 | 63.78 2.08 -0.04 | 58.73 2.45 -0.11 | 67.72 2.99 -1.03 | 72.73 3.36 -0.06 | 68.00 2.98 -0.74 | 65.88 3.01 -0.16 | 60.65 2.46 0.00 | 88.91 3.55 -0.08 | 65.59 3.05 -1.36 | 51.26 1.93 -2.85 | 64.47 2.24 -19.67 | 86.72 2.71 -41.36 |
| EAST RIVER___6 23660 | 50.79 2.07 0.00 | 38.61 1.55 0.00 | 34.60 1.48 0.00 | 31.65 1.38 0.00 | 35.05 1.50 0.00 | 39.97 1.71 0.00 | 49.01 2.39 0.00 | 81.41 4.60 0.00 | 96.06 5.20 0.00 | 160.88 9.09 0.00 | 126.49 7.15 0.00 | 68.36 4.00 0.00 | 65.55 3.89 0.00 | 59.98 3.80 0.00 | 68.15 4.46 0.00 | 74.13 4.82 0.00 | 68.64 4.35 0.00 | 66.64 3.93 0.00 | 61.65 3.46 0.00 | 90.11 4.84 0.00 | 64.84 3.66 0.00 | 49.18 2.70 0.00 | 44.77 2.21 0.00 | 44.70 2.04 0.00 |
| EAST RIVER___7 23524 | 50.79 2.07 0.00 | 38.61 1.55 0.00 | 34.60 1.48 0.00 | 31.65 1.38 0.00 | 35.05 1.50 0.00 | 39.97 1.71 0.00 | 49.01 2.39 0.00 | 81.41 4.60 0.00 | 96.06 5.20 0.00 | 160.88 9.09 0.00 | 126.49 7.15 0.00 | 68.36 4.00 0.00 | 65.55 3.89 0.00 | 59.98 3.80 0.00 | 68.15 4.46 0.00 | 74.13 4.82 0.00 | 68.64 4.35 0.00 | 66.64 3.93 0.00 | 61.65 3.46 0.00 | 90.11 4.84 0.00 | 64.84 3.66 0.00 | 49.18 2.70 0.00 | 44.77 2.21 0.00 | 44.70 2.04 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 50.56 1.84 0.00 | 38.42 1.36 0.00 | 34.42 1.30 0.00 | 31.51 1.23 0.00 | 34.88 1.32 0.00 | 39.76 1.49 0.00 | 48.71 2.09 0.00 | 80.89 4.08 0.00 | 95.56 4.70 0.00 | 160.08 8.29 0.00 | 125.83 6.49 0.00 | 67.97 3.62 0.00 | 65.14 3.48 0.00 | 59.57 3.39 0.00 | 67.70 4.00 0.00 | 73.64 4.33 0.00 | 68.21 3.92 0.00 | 66.23 3.52 0.00 | 61.32 3.13 0.00 | 89.67 4.40 0.00 | 64.50 3.32 0.00 | 48.90 2.42 0.00 | 44.57 2.01 0.00 | 44.49 1.84 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 53.78 4.30 -0.75 | 61.02 3.53 -20.43 | 36.21 3.09 0.00 | 33.09 2.81 0.00 | 36.11 2.56 0.00 | 40.77 2.50 0.00 | 49.78 3.16 0.00 | 79.13 2.32 0.00 | 93.76 2.44 -0.47 | 363.85 5.59 -206.47 | 156.32 3.65 -33.33 | 66.42 2.05 0.00 | 63.58 1.89 -0.04 | 58.54 2.26 -0.11 | 67.53 2.80 -1.03 | 72.52 3.15 -0.06 | 67.81 2.78 -0.74 | 65.70 2.83 -0.16 | 60.49 2.30 0.00 | 88.70 3.34 -0.08 | 65.44 2.90 -1.36 | 51.12 1.79 -2.85 | 64.36 2.13 -19.67 | 86.65 2.64 -41.36 |
| EAST_POINT___SOLAR 323840 | 51.40 2.68 0.00 | 39.03 1.97 0.00 | 34.82 1.70 0.00 | 31.76 1.48 0.00 | 35.32 1.77 0.00 | 40.49 2.22 0.00 | 49.64 3.02 0.00 | 82.11 5.30 0.00 | 97.11 6.25 0.00 | 162.34 10.55 0.00 | 127.20 7.86 0.00 | 68.40 4.05 0.00 | 65.02 3.37 0.00 | 58.92 2.75 0.00 | 66.61 2.91 0.00 | 71.15 1.84 0.00 | 64.96 0.67 0.00 | 64.23 1.52 0.00 | 61.64 3.46 0.00 | 90.98 5.71 0.00 | 65.36 4.19 0.00 | 49.49 3.02 0.00 | 45.11 2.55 0.00 | 44.97 2.32 0.00 |
| EAST_PULASKI___ESR 323781 | 47.66 -1.07 0.00 | 36.17 -0.89 0.00 | 32.30 -0.82 0.00 | 29.45 -0.83 0.00 | 32.70 -0.85 0.00 | 37.41 -0.86 0.00 | 45.75 -0.87 0.00 | 75.12 -1.69 0.00 | 88.86 -2.00 0.00 | 147.95 -3.84 0.00 | 116.05 -3.29 0.00 | 62.25 -2.11 0.00 | 59.48 -2.18 0.00 | 54.21 -1.97 0.00 | 61.69 -2.01 0.00 | 67.46 -1.85 0.00 | 62.84 -1.45 0.00 | 61.16 -1.55 0.00 | 56.71 -1.47 0.00 | 83.59 -1.77 -0.09 | 59.96 -1.22 0.00 | 45.65 -0.83 0.00 | 41.71 -0.86 0.00 | 41.66 -0.99 0.00 |
| EAST_RIVER___1 323558 | 50.76 2.03 0.00 | 38.58 1.52 0.00 | 34.57 1.45 0.00 | 31.63 1.35 0.00 | 35.01 1.46 0.00 | 39.94 1.67 0.00 | 48.96 2.34 0.00 | 81.35 4.54 0.00 | 96.00 5.14 0.00 | 160.76 8.96 0.00 | 126.41 7.07 0.00 | 68.30 3.94 0.00 | 65.48 3.82 0.00 | 59.90 3.72 0.00 | 68.09 4.39 0.00 | 74.05 4.75 0.00 | 68.56 4.28 0.00 | 66.57 3.87 0.00 | 61.59 3.40 0.00 | 90.03 4.75 0.00 | 64.79 3.61 0.00 | 49.13 2.65 0.00 | 44.73 2.16 0.00 | 44.65 2.00 0.00 |
| EAST_RIVER___2 323559 | 50.79 2.07 0.00 | 38.61 1.55 0.00 | 34.60 1.48 0.00 | 31.65 1.38 0.00 | 35.05 1.50 0.00 | 39.97 1.71 0.00 | 49.01 2.39 0.00 | 81.41 4.60 0.00 | 96.06 5.20 0.00 | 160.88 9.09 0.00 | 126.49 7.15 0.00 | 68.36 4.00 0.00 | 65.55 3.89 0.00 | 59.98 3.80 0.00 | 68.15 4.46 0.00 | 74.13 4.82 0.00 | 68.64 4.35 0.00 | 66.64 3.93 0.00 | 61.65 3.46 0.00 | 90.11 4.84 0.00 | 64.84 3.66 0.00 | 49.18 2.70 0.00 | 44.77 2.21 0.00 | 44.70 2.04 0.00 |
| EAST___DELAWARE_HYD 23607 | 50.46 1.73 0.00 | 38.32 1.26 0.00 | 34.30 1.17 0.00 | 31.38 1.10 0.00 | 34.79 1.23 0.00 | 39.72 1.45 0.00 | 48.65 2.03 0.00 | 80.81 4.00 0.00 | 95.57 4.71 0.00 | 160.11 8.32 0.00 | 125.99 6.65 0.00 | 68.03 3.67 0.00 | 65.21 3.56 0.00 | 59.49 3.31 0.00 | 67.51 3.81 0.00 | 73.41 4.10 0.00 | 67.96 3.68 0.00 | 66.12 3.41 0.00 | 61.36 3.17 0.00 | 89.85 4.58 0.00 | 64.56 3.38 0.00 | 48.91 2.43 0.00 | 44.56 2.00 0.00 | 44.47 1.82 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 70.51 -4.60 -26.39 | 61.48 -3.77 -28.19 | 55.99 -3.76 -26.63 | 54.95 -3.24 -27.92 | 59.91 -3.39 -29.74 | 56.28 -3.99 -22.00 | 78.06 -4.47 -35.92 | 123.07 -7.37 -53.63 | 142.28 -7.55 -58.97 | 219.42 -13.12 -80.75 | 147.93 -11.77 -40.36 | 89.12 -6.98 -31.74 | 77.19 -7.10 -22.64 | 53.48 -6.90 -4.21 | 88.74 -8.11 -33.16 | 99.59 -8.56 -38.84 | 93.17 -8.02 -36.91 | 50.78 -7.09 4.84 | 49.14 -6.47 2.58 | 106.59 -7.64 -28.96 | 98.59 -5.20 -42.62 | 53.25 -4.90 -11.68 | 72.47 -4.15 -34.06 | 73.12 -4.32 -34.79 |
| ELBRIDGE_115KV_TB2 80188 | 47.86 -0.87 0.00 | 36.36 -0.70 0.00 | 32.55 -0.57 0.00 | 29.79 -0.49 0.00 | 33.05 -0.50 0.00 | 37.71 -0.56 0.00 | 45.88 -0.74 0.00 | 75.52 -1.29 0.00 | 89.48 -1.38 0.00 | 149.42 -2.37 0.00 | 117.17 -2.17 0.00 | 63.10 -1.26 0.00 | 60.37 -1.29 0.00 | 54.84 -1.33 0.00 | 62.02 -1.68 0.00 | 67.69 -1.62 0.00 | 62.70 -1.59 0.00 | 61.34 -1.37 0.00 | 56.98 -1.21 0.00 | 83.71 -1.59 -0.02 | 60.21 -0.97 0.00 | 45.83 -0.64 0.00 | 42.04 -0.52 0.00 | 42.04 -0.61 0.00 |
| ELEC_TRO_TEK 24086 | 52.11 2.62 -0.76 | 59.49 1.99 -20.43 | 34.96 1.84 0.00 | 31.99 1.71 0.00 | 35.36 1.80 0.00 | 40.26 1.99 0.00 | 49.30 2.68 0.00 | 81.39 4.58 0.00 | 96.91 5.64 -0.41 | 369.22 10.96 -206.47 | 160.69 8.02 -33.33 | 68.71 4.35 0.00 | 66.14 4.20 -0.28 | 61.17 4.17 -0.82 | 76.76 4.92 -8.14 | 75.17 5.35 -0.51 | 74.96 4.85 -5.84 | 68.48 4.51 -1.26 | 62.05 3.86 0.00 | 91.24 5.30 -0.66 | 76.05 4.13 -10.74 | 57.46 3.18 -7.81 | 67.73 2.71 -22.45 | 86.57 2.55 -41.36 |

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|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|---------------------------|---------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|--------------------------|------------------------|
| ELLENBURG_WT_PWR 323604 | 49.41 0.68 0.00 | 37.36 0.29 0.00 | 33.27 0.15 0.00 | 30.20 -0.08 0.00 | 33.37 -0.18 0.00 | 37.96 -0.31 0.00 | 46.09 -0.53 0.00 | 75.80 -1.01 0.00 | 89.36 -1.50 0.00 | 70.98 -3.76 77.05 | -15.76 -3.09 132.00 | -19.64 -1.63 82.37 | 33.17 -1.56 26.93 | 54.98 -1.19 0.00 | 62.47 -1.23 0.00 | 68.28 -1.02 0.00 | 63.99 -0.29 0.00 | 63.19 0.48 0.00 | 58.72 0.53 0.00 | 86.87 1.05 -0.54 | 60.56 -0.61 0.00 | 45.09 -0.99 0.39 | -19.88 -1.30 61.14 | 5.70 -1.23 35.72 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 39.76 -3.77 5.20 | 28.04 -3.01 6.02 | 24.68 -2.80 5.64 | 22.10 -2.67 5.50 | 25.05 -2.64 5.86 | 31.46 -2.46 4.34 | 36.01 -3.43 7.17 | 58.80 -6.91 11.10 | 71.00 -7.58 12.27 | 123.19 -11.80 16.80 | 92.16 -10.10 17.08 | 48.47 -5.80 10.09 | 44.31 -5.48 11.88 | 36.71 -4.98 14.49 | 41.42 -6.21 16.07 | 42.18 -6.69 20.44 | 40.99 -6.27 17.02 | 36.31 -5.74 20.65 | 32.95 -5.57 19.66 | 46.82 -8.25 30.20 | 44.20 -5.49 11.49 | 28.95 -3.88 13.65 | 31.91 -3.29 7.36 | 31.93 -3.45 7.27 |
| EMPIRE_CC_1 323656 | 49.50 0.77 0.00 | 37.90 0.84 0.00 | 33.96 0.84 0.00 | 31.10 0.83 0.00 | 34.38 0.82 0.00 | 39.00 0.73 0.00 | 47.49 0.87 0.00 | 78.59 1.78 0.00 | 92.95 2.09 0.00 | 154.80 3.00 0.00 | 122.33 2.99 0.00 | 66.04 1.69 0.00 | 63.35 1.69 0.00 | 57.84 1.66 0.00 | 65.69 1.99 0.00 | 71.20 1.89 0.00 | 65.91 1.63 0.00 | 64.22 1.51 0.00 | 59.69 1.50 0.00 | 87.04 1.77 0.00 | 62.51 1.33 0.00 | 47.49 1.01 0.00 | 43.54 0.98 0.00 | 43.84 1.19 0.00 |
| EMPIRE_CC_2 323658 | 49.50 0.77 0.00 | 37.90 0.84 0.00 | 33.96 0.84 0.00 | 31.10 0.83 0.00 | 34.38 0.82 0.00 | 39.00 0.73 0.00 | 47.49 0.87 0.00 | 78.59 1.78 0.00 | 92.95 2.09 0.00 | 154.80 3.00 0.00 | 122.33 2.99 0.00 | 66.04 1.69 0.00 | 63.35 1.69 0.00 | 57.84 1.66 0.00 | 65.69 1.99 0.00 | 71.20 1.89 0.00 | 65.91 1.63 0.00 | 64.22 1.51 0.00 | 59.69 1.50 0.00 | 87.04 1.77 0.00 | 62.51 1.33 0.00 | 47.49 1.01 0.00 | 43.54 0.98 0.00 | 43.84 1.19 0.00 |
| ENORWICH_115KV_TB1 80156 | 51.37 1.18 -1.46 | 39.28 0.12 -2.10 | 35.17 0.11 -1.94 | 31.96 0.14 -1.54 | 35.21 0.02 -1.64 | 39.65 0.16 -1.22 | 49.28 0.63 -2.03 | 81.14 1.34 -2.99 | 96.10 2.07 -3.17 | 160.07 3.93 -4.35 | 133.96 3.28 -11.34 | 71.54 1.74 -5.44 | 72.05 1.49 -8.90 | 72.59 1.59 -14.82 | 70.27 1.58 -5.00 | 71.68 1.45 -0.92 | 67.95 1.77 -1.90 | 85.64 2.22 -20.71 | 79.26 1.71 -19.36 | 95.84 3.85 -6.72 | 69.61 4.33 -4.10 | 62.78 3.27 -13.04 | 46.89 2.22 -2.11 | 46.49 1.95 -1.88 |
| ERIE_ST__34_KV_TB1-2 80199 | 41.33 -3.03 4.37 | 29.41 -2.52 5.13 | 25.97 -2.34 4.81 | 23.42 -2.23 4.63 | 26.44 -2.18 4.93 | 32.63 -1.99 3.65 | 37.87 -2.70 6.06 | 61.88 -5.52 9.41 | 74.53 -5.94 10.40 | 128.49 -9.06 14.24 | 95.61 -8.03 15.70 | 50.68 -4.71 8.97 | 46.31 -4.42 10.93 | 38.25 -4.00 13.92 | 43.94 -5.13 14.63 | 45.27 -5.41 18.62 | 43.71 -5.15 15.42 | 37.65 -4.58 20.48 | 34.28 -4.46 19.44 | 50.13 -6.82 28.33 | 46.61 -4.51 10.06 | 30.22 -3.11 13.15 | 33.60 -2.70 6.26 | 33.60 -2.90 6.15 |
| ERIE_WT_PWR 323693 | 40.62 -3.42 4.69 | 28.86 -2.74 5.47 | 25.44 -2.56 5.13 | 22.82 -2.49 4.96 | 25.84 -2.43 5.28 | 32.11 -2.24 3.91 | 37.03 -3.11 6.48 | 60.48 -6.29 10.05 | 72.88 -6.87 11.11 | 126.16 -10.42 15.21 | 93.87 -9.25 16.22 | 49.73 -5.23 9.40 | 45.39 -4.97 11.30 | 37.35 -4.68 14.15 | 42.78 -5.72 15.20 | 43.96 -6.00 19.34 | 42.51 -5.72 16.05 | 36.79 -5.38 20.53 | 33.49 -5.18 19.52 | 48.60 -7.59 29.08 | 45.64 -4.94 10.60 | 29.49 -3.65 13.33 | 32.85 -3.03 6.68 | 32.90 -3.17 6.58 |
| ESPRGFLD_115KV_TB1 80157 | 50.18 1.45 0.00 | 38.02 0.96 0.00 | 33.91 0.79 0.00 | 30.92 0.64 0.00 | 34.39 0.83 0.00 | 39.42 1.15 0.00 | 48.28 1.66 0.00 | 79.60 2.79 0.00 | 94.16 3.30 0.00 | 157.64 5.85 0.00 | 123.55 4.21 0.00 | 66.43 2.07 0.00 | 63.56 1.90 0.00 | 57.81 1.63 0.00 | 65.37 1.67 0.00 | 70.85 1.54 0.00 | 65.73 1.45 0.00 | 64.33 1.63 0.00 | 60.07 1.88 0.00 | 88.31 3.04 0.00 | 63.57 2.39 0.00 | 48.27 1.79 0.00 | 44.00 1.44 0.00 | 43.86 1.21 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 51.05 -0.02 -2.34 | 40.71 -0.15 -3.80 | 36.48 -0.12 -3.48 | 32.68 -0.07 -2.48 | 36.17 -0.02 -2.64 | 40.27 0.04 -1.96 | 50.05 0.20 -3.23 | 82.00 0.39 -4.79 | 96.99 0.80 -5.33 | 160.36 1.27 -7.30 | 144.72 0.57 -24.81 | 75.35 0.19 -10.80 | 80.09 0.07 -18.36 | 87.36 -0.18 -31.36 | 73.41 -0.82 -10.53 | 71.13 -0.74 -2.56 | 68.16 -0.58 -4.45 | 112.98 -0.15 -50.42 | 105.25 -0.02 -47.07 | 103.72 0.40 -18.04 | 69.96 0.59 -8.19 | 77.79 0.45 -30.86 | 46.55 0.35 -3.63 | 45.90 0.20 -3.05 |
| ETNA____115KV_TB2 80207 | 51.05 -0.02 -2.34 | 40.71 -0.15 -3.80 | 36.48 -0.12 -3.48 | 32.68 -0.07 -2.48 | 36.17 -0.02 -2.64 | 40.27 0.04 -1.96 | 50.05 0.20 -3.23 | 82.00 0.39 -4.79 | 96.99 0.80 -5.33 | 160.36 1.27 -7.30 | 144.72 0.57 -24.81 | 75.35 0.19 -10.80 | 80.09 0.07 -18.36 | 87.36 -0.18 -31.36 | 73.41 -0.82 -10.53 | 71.13 -0.74 -2.56 | 68.16 -0.58 -4.45 | 112.98 -0.15 -50.42 | 105.25 -0.02 -47.07 | 103.72 0.40 -18.04 | 69.96 0.59 -8.19 | 77.79 0.45 -30.86 | 46.55 0.35 -3.63 | 45.90 0.20 -3.05 |
| EUCLID____115KV_TB2 356179 | 47.65 -1.08 0.00 | 36.25 -0.82 0.00 | 32.42 -0.71 0.00 | 29.65 -0.62 0.00 | 32.88 -0.67 0.00 | 37.52 -0.75 0.00 | 45.69 -0.93 0.00 | 75.08 -1.73 0.00 | 88.91 -1.94 0.00 | 148.53 -3.26 0.00 | 116.57 -2.78 0.00 | 62.81 -1.55 0.00 | 60.13 -1.53 0.00 | 54.70 -1.48 0.00 | 61.90 -1.81 0.00 | 67.47 -1.83 0.00 | 62.61 -1.67 0.00 | 61.15 -1.56 0.00 | 56.74 -1.45 0.00 | 83.31 -1.99 -0.03 | 59.91 -1.26 0.00 | 45.64 -0.84 0.00 | 41.86 -0.70 0.00 | 41.87 -0.78 0.00 |
| E_CANADA_CAP_HY 24051 | 50.57 1.84 0.00 | 38.38 1.32 0.00 | 34.22 1.10 0.00 | 31.17 0.89 0.00 | 34.69 1.14 0.00 | 39.75 1.49 0.00 | 48.63 2.01 0.00 | 80.21 3.40 0.00 | 94.87 4.02 0.00 | 158.74 6.95 0.00 | 124.35 5.01 0.00 | 66.83 2.47 0.00 | 63.86 2.20 0.00 | 57.99 1.81 0.00 | 65.61 1.90 0.00 | 70.95 1.64 0.00 | 65.55 1.27 0.00 | 64.38 1.67 0.00 | 60.56 2.37 0.00 | 89.10 3.83 0.00 | 63.99 2.81 0.00 | 48.53 2.05 0.00 | 44.24 1.68 0.00 | 44.14 1.49 0.00 |
| E_CANADA_MHWK_HY 24050 | 48.50 -0.22 0.00 | 36.80 -0.26 0.00 | 33.00 -0.13 0.00 | 30.26 -0.02 0.00 | 33.42 -0.13 0.00 | 38.10 -0.16 0.00 | 46.63 0.01 0.00 | 77.43 0.62 0.00 | 91.93 1.07 0.00 | 153.47 1.68 0.00 | 121.43 2.08 0.00 | 65.93 1.58 0.00 | 63.00 1.34 0.00 | 57.48 1.30 0.00 | 65.32 1.62 0.00 | 70.51 1.20 0.00 | 64.29 0.00 0.00 | 62.99 0.29 0.00 | 59.30 1.11 0.00 | 86.57 1.26 -0.03 | 62.31 1.13 0.00 | 47.26 0.78 0.00 | 43.10 0.54 0.00 | 43.15 0.50 0.00 |
| E_FISHKILL____LBMP 23776 | 50.29 1.56 0.00 | 38.23 1.17 0.00 | 34.24 1.12 0.00 | 31.35 1.07 0.00 | 34.69 1.14 0.00 | 39.53 1.26 0.00 | 48.38 1.77 0.00 | 80.31 3.50 0.00 | 94.93 4.07 0.00 | 158.87 7.08 0.00 | 124.93 5.60 0.00 | 67.47 3.12 0.00 | 64.69 3.03 0.00 | 59.12 2.95 0.00 | 67.18 3.48 0.00 | 73.05 3.74 0.00 | 67.66 3.38 0.00 | 65.75 3.04 0.00 | 60.92 2.73 0.00 | 89.07 3.79 0.00 | 64.03 2.85 0.00 | 48.55 2.07 0.00 | 44.30 1.73 0.00 | 44.26 1.61 0.00 |
| FALCON____SEABRD_CC1 323796 | 49.88 1.16 0.00 | 37.59 0.53 0.00 | 33.53 0.41 0.00 | 30.29 0.01 0.00 | 33.32 -0.24 0.00 | 37.83 -0.44 0.00 | 45.91 -0.71 0.00 | 75.39 -1.42 0.00 | 88.85 -2.01 0.00 | 69.16 -4.41 78.23 | -17.73 -3.05 134.02 | -20.65 -1.38 83.63 | 32.74 -1.58 27.35 | 55.07 -1.10 0.00 | 62.53 -1.17 0.00 | 68.33 -0.98 0.00 | 64.19 -0.10 0.00 | 63.73 1.02 0.00 | 59.31 1.12 0.00 | 87.65 1.83 -0.55 | 60.88 -0.30 0.00 | 45.18 -0.90 0.40 | -20.64 -1.13 62.07 | 5.01 -1.37 36.27 |

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|--|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|--------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| FALCON___SEABRD_CC2 323797 | 49.88 1.16 0.00 | 37.59 0.53 0.00 | 33.53 0.41 0.00 | 30.29 0.01 0.00 | 33.32 -0.24 0.00 | 37.83 -0.44 0.00 | 45.91 -0.71 0.00 | 75.39 -1.42 0.00 | 88.85 -2.01 0.00 | 69.16 -4.41 78.23 | -17.73 -3.05 134.02 | -20.65 -1.38 83.63 | 32.74 -1.58 27.35 | 55.07 -1.10 0.00 | 62.53 -1.17 0.00 | 68.33 -0.98 0.00 | 64.19 -0.10 0.00 | 63.73 1.02 0.00 | 59.31 1.12 0.00 | 87.65 1.83 -0.55 | 60.88 -0.30 0.00 | 45.18 -0.90 0.40 | -20.64 -1.13 62.07 | 5.01 -1.37 36.27 |
| FAR ROCKAWAY___4 23548 | 52.69 3.20 -0.76 | 59.91 2.41 -20.43 | 35.32 2.20 0.00 | 32.31 2.03 0.00 | 35.71 2.16 0.00 | 40.68 2.42 0.00 | 49.85 3.23 0.00 | 82.37 5.56 0.00 | 97.91 6.73 -0.33 | 371.01 12.74 -206.47 | 162.18 9.51 -33.33 | 69.65 5.29 0.00 | 67.34 5.05 -0.63 | 62.93 4.90 -1.85 | 88.36 5.77 -18.89 | 76.79 6.29 -1.20 | 83.56 5.75 -13.53 | 70.96 5.41 -2.83 | 62.86 4.67 0.00 | 93.33 6.51 -1.54 | 91.07 5.01 -24.89 | 65.16 3.78 -14.90 | 72.25 3.26 -26.42 | 87.09 3.07 -41.36 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 50.78 2.05 0.00 | 38.59 1.53 0.00 | 34.58 1.46 0.00 | 31.64 1.37 0.00 | 35.03 1.48 0.00 | 39.95 1.68 0.00 | 48.98 2.36 0.00 | 81.37 4.56 0.00 | 96.01 5.15 0.00 | 160.87 9.08 0.00 | 126.44 7.09 0.00 | 68.31 3.95 0.00 | 65.48 3.83 0.00 | 59.91 3.73 0.00 | 68.11 4.42 0.00 | 74.07 4.76 0.00 | 68.60 4.32 0.00 | 66.56 3.86 0.00 | 61.58 3.40 0.00 | 90.04 4.77 0.00 | 64.81 3.63 0.00 | 49.13 2.66 0.00 | 44.74 2.18 0.00 | 44.66 2.00 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 50.80 2.07 0.00 | 38.61 1.54 0.00 | 34.60 1.48 0.00 | 31.66 1.38 0.00 | 35.05 1.49 0.00 | 39.96 1.70 0.00 | 49.00 2.38 0.00 | 81.40 4.59 0.00 | 96.08 5.22 0.00 | 160.92 9.12 0.00 | 126.49 7.15 0.00 | 68.33 3.98 0.00 | 65.51 3.86 0.00 | 59.94 3.76 0.00 | 68.14 4.44 0.00 | 74.09 4.79 0.00 | 68.62 4.34 0.00 | 66.60 3.89 0.00 | 61.62 3.43 0.00 | 90.11 4.84 0.00 | 64.85 3.68 0.00 | 49.17 2.69 0.00 | 44.76 2.20 0.00 | 44.68 2.02 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 50.75 2.02 0.00 | 38.57 1.51 0.00 | 34.57 1.45 0.00 | 31.63 1.36 0.00 | 35.02 1.47 0.00 | 39.94 1.67 0.00 | 48.95 2.33 0.00 | 81.33 4.52 0.00 | 95.99 5.13 0.00 | 160.77 8.97 0.00 | 126.37 7.03 0.00 | 68.29 3.93 0.00 | 65.46 3.81 0.00 | 59.88 3.71 0.00 | 68.08 4.38 0.00 | 74.05 4.74 0.00 | 68.56 4.27 0.00 | 66.54 3.83 0.00 | 61.56 3.37 0.00 | 90.01 4.73 0.00 | 64.78 3.60 0.00 | 49.11 2.64 0.00 | 44.72 2.15 0.00 | 44.64 1.98 0.00 |
| FARRAGUT___LBMP 323566 | 50.72 2.00 0.00 | 38.55 1.49 0.00 | 34.55 1.43 0.00 | 31.61 1.33 0.00 | 35.00 1.45 0.00 | 39.91 1.64 0.00 | 48.92 2.29 0.00 | 81.28 4.46 0.00 | 95.90 5.04 0.00 | 160.62 8.82 0.00 | 126.25 6.91 0.00 | 68.22 3.86 0.00 | 65.40 3.74 0.00 | 59.82 3.65 0.00 | 68.02 4.31 0.00 | 73.98 4.67 0.00 | 68.49 4.21 0.00 | 66.48 3.77 0.00 | 61.51 3.32 0.00 | 89.94 4.67 0.00 | 64.73 3.55 0.00 | 49.08 2.60 0.00 | 44.68 2.12 0.00 | 44.61 1.96 0.00 |
| FENNER___WINDPWR 24204 | 48.92 0.19 0.00 | 37.36 0.06 -0.24 | 33.35 0.03 -0.20 | 30.28 0.00 0.00 | 33.60 0.05 0.00 | 38.45 0.18 0.00 | 47.01 0.39 0.00 | 77.46 0.65 0.00 | 91.83 0.97 0.00 | 153.46 1.67 0.00 | 124.32 1.16 -3.82 | 66.37 0.60 -1.41 | 65.22 0.66 -2.90 | 62.18 0.49 -5.52 | 65.30 0.18 -1.42 | 69.30 0.00 0.00 | 64.94 0.32 -0.33 | 72.60 0.62 -9.27 | 67.52 0.70 -8.62 | 89.70 1.32 -3.10 | 62.97 0.97 -0.82 | 52.55 0.66 -5.41 | 43.10 0.41 -0.12 | 43.02 0.36 0.00 |
| FIBERTEK___ENERGY 23856 | 48.11 -0.62 0.00 | 36.59 -0.47 0.00 | 32.74 -0.38 0.00 | 29.96 -0.32 0.00 | 33.24 -0.31 0.00 | 37.93 -0.34 0.00 | 46.18 -0.44 0.00 | 75.99 -0.82 0.00 | 89.99 -0.87 0.00 | 150.27 -1.52 0.00 | 117.88 -1.46 0.00 | 63.49 -0.87 0.00 | 60.75 -0.91 0.00 | 55.20 -0.97 0.00 | 62.45 -1.25 0.00 | 68.12 -1.19 0.00 | 63.20 -1.08 0.00 | 61.79 -0.92 0.00 | 57.36 -0.83 0.00 | 84.27 -1.03 -0.02 | 60.58 -0.60 0.00 | 46.12 -0.36 0.00 | 42.28 -0.28 0.00 | 42.28 -0.37 0.00 |
| FITZPATRICK____ 23598 | 47.14 -1.58 0.00 | 35.88 -1.18 0.00 | 32.10 -1.02 0.00 | 29.36 -0.91 0.00 | 32.55 -1.00 0.00 | 37.09 -1.18 0.00 | 45.08 -1.55 0.00 | 74.08 -2.73 0.00 | 87.69 -3.17 0.00 | 146.50 -5.30 0.00 | 115.02 -4.32 0.00 | 62.00 -2.36 0.00 | 59.37 -2.29 0.00 | 54.02 -2.15 0.00 | 61.21 -2.50 0.00 | 66.64 -2.66 0.00 | 61.84 -2.44 0.00 | 60.38 -2.33 0.00 | 56.04 -2.15 0.00 | 82.22 -3.05 0.00 | 59.04 -2.13 0.00 | 44.97 -1.51 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 52.72 3.24 -0.75 | 60.09 2.60 -20.43 | 35.49 2.37 0.00 | 32.45 2.17 0.00 | 35.81 2.26 0.00 | 40.73 2.46 0.00 | 49.89 3.27 0.00 | 81.45 4.64 0.00 | 97.24 5.92 -0.47 | 369.85 11.59 -206.47 | 160.91 8.24 -33.33 | 68.92 4.56 0.00 | 66.01 4.31 -0.04 | 60.64 4.35 -0.11 | 69.91 5.13 -1.08 | 75.04 5.67 -0.07 | 70.18 5.12 -0.78 | 67.82 4.94 -0.17 | 62.29 4.10 0.00 | 90.64 5.28 -0.09 | 67.06 4.45 -1.43 | 52.87 3.50 -2.89 | 65.45 3.20 -19.69 | 87.07 3.06 -41.36 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 50.81 2.09 0.00 | 38.60 1.54 0.00 | 34.57 1.44 0.00 | 31.64 1.36 0.00 | 35.04 1.48 0.00 | 39.96 1.69 0.00 | 48.98 2.35 0.00 | 81.40 4.59 0.00 | 96.19 5.33 0.00 | 160.99 9.20 0.00 | 126.62 7.28 0.00 | 68.39 4.03 0.00 | 65.56 3.89 0.00 | 59.89 3.72 0.00 | 68.01 4.31 0.00 | 73.98 4.68 0.00 | 68.51 4.23 0.00 | 66.59 3.88 0.00 | 61.73 3.54 0.00 | 90.32 5.04 0.00 | 64.91 3.73 0.00 | 49.17 2.69 0.00 | 44.82 2.26 0.00 | 44.74 2.09 0.00 |
| FORT ORANGE____ 23900 | 49.73 1.00 0.00 | 37.91 0.85 0.00 | 33.94 0.82 0.00 | 31.12 0.84 0.00 | 34.38 0.83 0.00 | 39.14 0.87 0.00 | 47.78 1.16 0.00 | 79.17 2.36 0.00 | 93.70 2.84 0.00 | 156.39 4.59 0.00 | 123.32 3.97 0.00 | 66.58 2.22 0.00 | 63.81 2.15 0.00 | 58.19 2.02 0.00 | 65.98 2.28 0.00 | 71.66 2.36 0.00 | 66.37 2.08 0.00 | 64.59 1.88 0.00 | 60.05 1.86 0.00 | 87.82 2.54 0.00 | 63.04 1.86 0.00 | 47.82 1.34 0.00 | 43.75 1.19 0.00 | 43.87 1.21 0.00 |
| FORT_DRUM_COGEN 23780 | 48.76 0.03 0.00 | 36.72 -0.35 0.00 | 32.62 -0.51 0.00 | 29.46 -0.82 0.00 | 32.84 -0.71 0.00 | 37.93 -0.34 0.00 | 46.91 0.29 0.00 | 76.82 0.01 0.00 | 90.74 -0.12 0.00 | 154.01 -1.56 -3.77 | 124.01 -1.79 -6.46 | 66.47 -1.92 -4.03 | 60.78 -2.20 -1.32 | 54.40 -1.78 0.00 | 62.60 -1.10 0.00 | 69.26 -0.04 0.00 | 64.90 0.62 0.00 | 62.64 -0.08 0.00 | 58.03 -0.16 0.00 | 86.35 0.81 -0.27 | 61.57 0.40 0.00 | 46.64 0.14 -0.02 | 45.12 -0.43 -2.99 | 43.75 -0.66 -1.75 |
| FOX_HILLS___ESR 323835 | 57.00 2.44 -5.84 | 56.24 1.85 -17.33 | 55.71 1.77 -20.81 | 54.96 1.66 -23.02 | 55.72 1.80 -20.37 | 56.36 2.02 -16.07 | 57.15 2.74 -7.79 | 90.88 4.99 -9.07 | 111.90 5.68 -15.36 | 163.83 9.83 -2.21 | 133.74 7.64 -6.76 | 97.38 4.27 -28.76 | 97.38 4.13 -31.58 | 95.78 3.99 -35.61 | 96.21 4.70 -27.81 | 97.66 4.98 -23.38 | 98.52 4.63 -29.60 | 97.49 4.15 -30.63 | 97.63 3.75 -35.69 | 101.87 5.33 -11.27 | 97.67 4.05 -32.44 | 97.53 2.99 -48.06 | 77.76 2.49 -32.70 | 57.42 2.37 -12.40 |
| FPL FAR_ROCK_GT1 24212 | 52.68 3.19 -0.76 | 59.91 2.41 -20.43 | 35.32 2.20 0.00 | 32.30 2.02 0.00 | 35.71 2.16 0.00 | 40.68 2.41 0.00 | 49.85 3.23 0.00 | 82.36 5.55 0.00 | 97.91 6.73 -0.33 | 370.92 12.65 -206.47 | 162.16 9.48 -33.33 | 69.65 5.29 0.00 | 67.32 5.03 -0.63 | 62.91 4.88 -1.85 | 88.36 5.77 -18.89 | 76.75 6.25 -1.20 | 83.55 5.73 -13.53 | 70.96 5.41 -2.83 | 62.86 4.67 0.00 | 93.31 6.50 -1.54 | 91.05 4.99 -24.89 | 65.17 3.79 -14.90 | 72.26 3.27 -26.42 | 87.08 3.06 -41.36 |

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| FPL FAR_ROCK_GT2 23815 | 52.68 3.19 -0.76 | 59.91 2.41 -20.43 | 35.32 2.20 0.00 | 32.30 2.02 0.00 | 35.71 2.16 0.00 | 40.68 2.41 0.00 | 49.85 3.23 0.00 | 82.36 5.55 0.00 | 97.91 6.73 -0.33 | 370.92 12.65 -206.47 | 162.16 9.48 -33.33 | 69.65 5.29 0.00 | 67.32 5.03 -0.63 | 62.91 4.88 -1.85 | 88.36 5.77 -18.89 | 76.75 6.25 -1.20 | 83.55 5.73 -13.53 | 70.96 5.41 -2.83 | 62.86 4.67 0.00 | 93.31 6.50 -1.54 | 91.05 4.99 -24.89 | 65.17 3.79 -14.90 | 72.26 3.27 -26.42 | 87.08 3.06 -41.36 |
| FRANKLIN_FALL_HYD 24054 | 49.81 1.09 0.00 | 37.69 0.63 0.00 | 33.54 0.42 0.00 | 30.46 0.18 0.00 | 33.73 0.18 0.00 | 38.48 0.21 0.00 | 46.89 0.27 0.00 | 77.23 0.42 0.00 | 91.08 0.22 0.00 | 204.10 -0.69 -52.99 | 209.42 -0.72 -90.80 | 120.47 -0.54 -56.66 | 79.56 -0.62 -18.53 | 55.63 -0.55 0.00 | 63.10 -0.60 0.00 | 69.05 -0.26 0.00 | 64.79 0.50 0.00 | 63.70 0.99 0.00 | 59.14 0.95 0.00 | 87.75 1.79 -0.68 | 61.29 0.11 0.00 | 46.40 -0.35 -0.27 | 83.98 -0.64 -42.05 | 66.61 -0.62 -24.57 |
| FREEPORT_EQUS_GT1 23764 | 52.34 2.86 -0.76 | 59.66 2.17 -20.43 | 35.11 1.99 0.00 | 32.11 1.84 0.00 | 35.49 1.93 0.00 | 40.41 2.14 0.00 | 49.49 2.87 0.00 | 81.64 4.83 0.00 | 97.16 5.87 -0.43 | 369.21 10.95 -206.47 | 160.90 8.22 -33.33 | 68.97 4.61 0.00 | 66.34 4.44 -0.25 | 61.35 4.45 -0.73 | 75.76 5.23 -6.83 | 75.41 5.68 -0.43 | 74.17 5.00 -4.89 | 68.49 4.66 -1.12 | 62.18 3.99 0.00 | 91.57 5.74 -0.55 | 74.41 4.22 -9.02 | 57.04 3.40 -7.16 | 67.60 2.95 -22.09 | 86.82 2.81 -41.36 |
| FREEPORT___CT2 23818 | 52.34 2.86 -0.76 | 59.66 2.17 -20.43 | 35.11 1.99 0.00 | 32.11 1.84 0.00 | 35.49 1.93 0.00 | 40.41 2.14 0.00 | 49.49 2.87 0.00 | 81.64 4.83 0.00 | 97.16 5.87 -0.43 | 369.21 10.95 -206.47 | 160.90 8.22 -33.33 | 68.97 4.61 0.00 | 66.34 4.44 -0.25 | 61.35 4.45 -0.73 | 75.76 5.23 -6.83 | 75.41 5.68 -0.43 | 74.17 5.00 -4.89 | 68.49 4.66 -1.12 | 62.18 3.99 0.00 | 91.57 5.74 -0.55 | 74.41 4.22 -9.02 | 57.04 3.40 -7.16 | 67.60 2.95 -22.09 | 86.82 2.81 -41.36 |
| FRESHKLS_33_KV_LOAD 356253 | 56.96 2.39 -5.84 | 56.23 1.84 -17.33 | 55.71 1.78 -20.81 | 54.96 1.67 -23.02 | 55.72 1.80 -20.37 | 56.35 2.01 -16.07 | 57.10 2.69 -7.79 | 90.72 4.83 -9.07 | 111.67 5.46 -15.36 | 163.48 9.48 -2.21 | 133.43 7.33 -6.76 | 97.19 4.08 -28.76 | 97.21 3.97 -31.58 | 95.63 3.85 -35.61 | 96.04 4.53 -27.81 | 97.46 4.77 -23.38 | 98.39 4.50 -29.60 | 97.33 3.99 -30.63 | 97.55 3.66 -35.69 | 101.76 5.22 -11.27 | 97.59 3.97 -32.44 | 97.49 2.95 -48.06 | 77.72 2.45 -32.70 | 57.40 2.35 -12.40 |
| FULTON COGEN____ 23766 | 47.43 -1.29 0.00 | 36.12 -0.94 0.00 | 32.34 -0.78 0.00 | 29.59 -0.69 0.00 | 32.80 -0.75 0.00 | 37.41 -0.86 0.00 | 45.54 -1.08 0.00 | 74.93 -1.88 0.00 | 88.65 -2.20 0.00 | 147.83 -3.96 0.00 | 116.00 -3.34 0.00 | 62.41 -1.95 0.00 | 59.73 -1.93 0.00 | 54.37 -1.81 0.00 | 61.66 -2.04 0.00 | 67.13 -2.17 0.00 | 62.36 -1.93 0.00 | 60.88 -1.82 0.00 | 56.53 -1.66 0.00 | 83.04 -2.27 -0.03 | 59.67 -1.51 0.00 | 45.44 -1.04 0.00 | 41.68 -0.89 0.00 | 41.67 -0.98 0.00 |
| FULTON___LFGE 323630 | 51.00 2.28 0.00 | 38.75 1.69 0.00 | 34.59 1.47 0.00 | 31.55 1.28 0.00 | 35.07 1.51 0.00 | 40.13 1.86 0.00 | 49.13 2.52 0.00 | 81.30 4.49 0.00 | 96.21 5.34 0.00 | 160.84 9.05 0.00 | 126.15 6.82 0.00 | 67.91 3.55 0.00 | 64.79 3.13 0.00 | 58.85 2.67 0.00 | 66.57 2.87 0.00 | 71.84 2.54 0.00 | 65.69 1.40 0.00 | 64.62 1.91 0.00 | 61.21 3.03 0.00 | 90.28 5.00 0.00 | 64.80 3.62 0.00 | 49.10 2.62 0.00 | 44.79 2.23 0.00 | 44.72 2.06 0.00 |
| G.F.CEMENT___DRP 24184 | 51.91 3.19 0.00 | 39.45 2.39 0.00 | 35.28 2.15 0.00 | 32.14 1.86 0.00 | 35.46 1.90 0.00 | 40.17 1.90 0.00 | 48.87 2.26 0.00 | 80.99 4.18 0.00 | 96.19 5.33 0.00 | 160.43 8.63 0.00 | 125.82 6.48 0.00 | 67.89 3.53 0.00 | 65.09 3.43 0.00 | 59.34 3.16 0.00 | 67.33 3.63 0.00 | 73.16 3.86 0.00 | 67.58 3.30 0.00 | 66.11 3.40 0.00 | 61.49 3.31 0.00 | 89.94 4.67 0.00 | 64.29 3.11 0.00 | 48.65 2.18 0.00 | 44.63 2.07 0.00 | 45.26 2.61 0.00 |
| GARDENVILLE___LBMP 24039 | 40.16 -3.64 4.93 | 28.41 -2.93 5.73 | 25.02 -2.73 5.37 | 22.46 -2.60 5.22 | 25.43 -2.57 5.56 | 31.78 -2.38 4.12 | 36.53 -3.28 6.81 | 59.70 -6.57 10.54 | 72.05 -7.15 11.66 | 124.72 -11.11 15.96 | 93.06 -9.65 16.63 | 49.07 -5.57 9.72 | 44.81 -5.28 11.57 | 37.07 -4.80 14.31 | 42.09 -6.01 15.60 | 43.01 -6.45 19.85 | 41.72 -6.06 16.50 | 36.57 -5.55 20.59 | 33.23 -5.37 19.59 | 47.72 -7.96 29.59 | 44.86 -5.30 11.02 | 29.26 -3.74 13.48 | 32.38 -3.18 7.00 | 32.42 -3.33 6.90 |
| GARDNVLA_35_KV_LD 355827 | 40.82 -3.34 4.56 | 29.03 -2.70 5.33 | 25.59 -2.54 5.00 | 23.00 -2.45 4.83 | 26.02 -2.39 5.14 | 32.29 -2.17 3.81 | 37.28 -3.03 6.31 | 60.85 -6.17 9.79 | 73.39 -6.64 10.83 | 126.71 -10.26 14.82 | 94.43 -8.89 16.01 | 49.99 -5.14 9.23 | 45.64 -4.87 11.15 | 37.67 -4.44 14.07 | 43.12 -5.60 14.98 | 44.24 -5.99 19.08 | 42.83 -5.64 15.82 | 37.08 -5.11 20.51 | 33.72 -4.99 19.48 | 49.02 -7.44 28.82 | 45.87 -4.92 10.39 | 29.79 -3.44 13.25 | 33.12 -2.92 6.51 | 33.14 -3.10 6.41 |
| GELCKHM___115KV_LOAD 80723 | 47.81 -0.92 0.00 | 36.36 -0.70 0.00 | 32.53 -0.60 0.00 | 29.76 -0.52 0.00 | 33.01 -0.55 0.00 | 37.66 -0.61 0.00 | 45.86 -0.76 0.00 | 75.38 -1.43 0.00 | 89.27 -1.59 0.00 | 149.06 -2.73 0.00 | 117.00 -2.34 0.00 | 63.03 -1.33 0.00 | 60.32 -1.34 0.00 | 54.84 -1.33 0.00 | 62.08 -1.62 0.00 | 67.70 -1.61 0.00 | 62.81 -1.47 0.00 | 61.35 -1.36 0.00 | 56.94 -1.25 0.00 | 83.62 -1.68 -0.03 | 60.13 -1.05 0.00 | 45.80 -0.68 0.00 | 42.01 -0.56 0.00 | 42.00 -0.65 0.00 |
| GENERAL___MILLS 23808 | 40.58 -3.46 4.69 | 28.80 -2.79 5.47 | 25.38 -2.61 5.13 | 22.81 -2.51 4.96 | 25.81 -2.46 5.28 | 32.09 -2.26 3.91 | 37.00 -3.14 6.48 | 60.39 -6.37 10.05 | 72.85 -6.90 11.11 | 125.88 -10.70 15.21 | 93.86 -9.26 16.22 | 49.62 -5.35 9.40 | 45.30 -5.06 11.30 | 37.41 -4.61 14.15 | 42.71 -5.80 15.20 | 43.75 -6.21 19.34 | 42.39 -5.85 16.05 | 36.84 -5.33 20.53 | 33.50 -5.17 19.52 | 48.49 -7.70 29.08 | 45.46 -5.11 10.60 | 29.56 -3.58 13.33 | 32.83 -3.05 6.68 | 32.87 -3.21 6.58 |
| GE_PLASTICS___DRP 24183 | 49.54 0.82 0.00 | 37.75 0.69 0.00 | 33.80 0.68 0.00 | 30.97 0.69 0.00 | 34.23 0.68 0.00 | 38.95 0.69 0.00 | 47.53 0.91 0.00 | 78.72 1.91 0.00 | 93.12 2.26 0.00 | 155.49 3.70 0.00 | 122.49 3.15 0.00 | 66.14 1.78 0.00 | 63.39 1.73 0.00 | 57.81 1.64 0.00 | 65.61 1.91 0.00 | 71.27 1.97 0.00 | 66.02 1.74 0.00 | 64.27 1.56 0.00 | 59.67 1.48 0.00 | 87.23 1.96 0.00 | 62.65 1.48 0.00 | 47.55 1.08 0.00 | 43.52 0.96 0.00 | 43.64 0.98 0.00 |
| GILBOA___1 23756 | 49.50 0.78 0.00 | 37.66 0.59 0.00 | 33.69 0.57 0.00 | 30.83 0.56 0.00 | 34.14 0.59 0.00 | 38.88 0.61 0.00 | 47.40 0.78 0.00 | 78.44 1.63 0.00 | 92.84 1.98 0.00 | 155.36 3.57 0.00 | 122.23 2.88 0.00 | 65.95 1.60 0.00 | 63.21 1.55 0.00 | 57.66 1.48 0.00 | 65.43 1.73 0.00 | 70.99 1.68 0.00 | 65.76 1.48 0.00 | 63.94 1.23 0.00 | 59.30 1.11 0.00 | 86.72 1.45 0.00 | 62.38 1.20 0.00 | 47.46 0.99 0.00 | 43.46 0.90 0.00 | 43.52 0.87 0.00 |
| GILBOA___2 23757 | 49.50 0.78 0.00 | 37.66 0.59 0.00 | 33.69 0.57 0.00 | 30.83 0.56 0.00 | 34.14 0.59 0.00 | 38.88 0.61 0.00 | 47.40 0.78 0.00 | 78.44 1.63 0.00 | 92.84 1.98 0.00 | 155.36 3.57 0.00 | 122.23 2.88 0.00 | 65.95 1.60 0.00 | 63.21 1.55 0.00 | 57.66 1.48 0.00 | 65.43 1.73 0.00 | 70.99 1.68 0.00 | 65.76 1.48 0.00 | 63.94 1.23 0.00 | 59.30 1.11 0.00 | 86.72 1.45 0.00 | 62.38 1.20 0.00 | 47.46 0.99 0.00 | 43.46 0.90 0.00 | 43.52 0.87 0.00 |

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| GILBOA___3 23758 | 49.50 0.78 0.00 | 37.66 0.59 0.00 | 33.69 0.57 0.00 | 30.83 0.56 0.00 | 34.14 0.59 0.00 | 38.88 0.61 0.00 | 47.40 0.78 0.00 | 78.44 1.63 0.00 | 92.84 1.98 0.00 | 155.36 3.57 0.00 | 122.23 2.88 0.00 | 65.95 1.60 0.00 | 63.21 1.55 0.00 | 57.66 1.48 0.00 | 65.43 1.73 0.00 | 70.99 1.68 0.00 | 65.76 1.48 0.00 | 63.94 1.23 0.00 | 59.30 1.11 0.00 | 86.72 1.45 0.00 | 62.38 1.20 0.00 | 47.46 0.99 0.00 | 43.46 0.90 0.00 | 43.52 0.87 0.00 |
| GILBOA___4 23759 | 49.50 0.78 0.00 | 37.66 0.59 0.00 | 33.69 0.57 0.00 | 30.83 0.56 0.00 | 34.14 0.59 0.00 | 38.88 0.61 0.00 | 47.40 0.78 0.00 | 78.44 1.63 0.00 | 92.84 1.98 0.00 | 155.36 3.57 0.00 | 122.23 2.88 0.00 | 65.95 1.60 0.00 | 63.21 1.55 0.00 | 57.66 1.48 0.00 | 65.43 1.73 0.00 | 70.99 1.68 0.00 | 65.76 1.48 0.00 | 63.94 1.23 0.00 | 59.30 1.11 0.00 | 86.72 1.45 0.00 | 62.38 1.20 0.00 | 47.46 0.99 0.00 | 43.46 0.90 0.00 | 43.52 0.87 0.00 |
| GILBOA___ 23599 | 49.50 0.78 0.00 | 37.66 0.60 0.00 | 33.69 0.57 0.00 | 30.84 0.57 0.00 | 34.14 0.59 0.00 | 38.88 0.61 0.00 | 47.40 0.77 0.00 | 78.45 1.63 0.00 | 92.84 1.98 0.00 | 155.37 3.57 0.00 | 122.23 2.89 0.00 | 65.97 1.61 0.00 | 63.21 1.55 0.00 | 57.67 1.49 0.00 | 65.43 1.73 0.00 | 71.01 1.70 0.00 | 65.77 1.49 0.00 | 63.94 1.23 0.00 | 59.30 1.11 0.00 | 86.74 1.47 0.00 | 62.40 1.22 0.00 | 47.47 0.99 0.00 | 43.45 0.89 0.00 | 43.52 0.87 0.00 |
| GINNA___ 23603 | 44.81 -3.91 0.00 | 33.89 -3.00 0.17 | 30.27 -2.71 0.14 | 27.77 -2.51 0.00 | 30.95 -2.61 0.00 | 35.56 -2.70 0.00 | 43.22 -3.40 0.00 | 70.65 -6.16 0.00 | 83.60 -7.26 0.00 | 140.01 -11.78 0.00 | 106.44 -9.76 3.14 | 57.46 -5.59 1.31 | 53.49 -5.48 2.70 | 45.94 -5.12 5.12 | 58.38 -6.03 -0.72 | 67.32 -6.42 -4.44 | 61.31 -5.87 -2.90 | 51.54 -5.33 5.84 | 47.87 -4.91 5.41 | 82.63 -6.96 -4.31 | 56.20 -4.70 0.27 | 38.98 -3.53 3.97 | 39.35 -3.13 0.09 | 39.38 -3.28 0.00 |
| GLEN PARK___ 23778 | 48.99 0.26 0.00 | 36.89 -0.17 0.00 | 32.78 -0.34 0.00 | 29.60 -0.67 0.00 | 33.01 -0.54 0.00 | 38.13 -0.14 0.00 | 47.19 0.57 0.00 | 77.32 0.51 0.00 | 91.30 0.45 0.00 | 154.76 -0.61 -3.58 | 124.30 -1.18 -6.13 | 66.46 -1.73 -3.83 | 60.81 -2.10 -1.25 | 54.63 -1.55 0.00 | 62.82 -0.88 0.00 | 69.54 0.24 0.00 | 65.08 0.79 0.00 | 62.78 0.08 0.00 | 58.37 0.18 0.00 | 86.81 1.28 -0.25 | 61.94 0.76 0.00 | 46.89 0.40 -0.02 | 45.21 -0.19 -2.84 | 43.88 -0.44 -1.66 |
| GLENDALE_27_KV_LOAD 356172 | 51.13 2.41 0.00 | 38.86 1.79 0.00 | 34.83 1.70 0.00 | 31.88 1.59 -0.01 | 35.28 1.73 0.00 | 40.24 1.96 0.00 | 49.35 2.73 0.00 | 85.85 5.18 -3.86 | 112.14 5.92 -15.37 | 164.34 10.34 -2.21 | 127.38 8.04 0.00 | 68.84 4.48 0.00 | 65.98 4.32 -0.01 | 62.86 4.20 -2.49 | 70.65 4.92 -2.03 | 77.30 5.33 -2.67 | 71.81 4.85 -2.69 | 67.05 4.34 0.00 | 62.04 3.85 0.00 | 90.70 5.42 0.00 | 65.31 4.13 0.00 | 49.52 3.04 -0.01 | 45.08 2.52 0.00 | 45.02 2.36 -0.01 |
| GLENWOOD_IC_1_G5 23712 | 52.38 2.90 -0.76 | 59.68 2.19 -20.43 | 35.14 2.02 0.00 | 32.14 1.87 0.00 | 35.53 1.98 0.00 | 40.47 2.20 0.00 | 49.57 2.95 0.00 | 81.84 5.03 0.00 | 97.59 6.27 -0.45 | 370.38 12.12 -206.47 | 161.54 8.87 -33.33 | 69.17 4.81 0.00 | 66.45 4.62 -0.17 | 61.24 4.57 -0.50 | 73.74 5.39 -4.65 | 75.46 5.86 -0.29 | 72.92 5.31 -3.33 | 68.44 4.97 -0.76 | 62.45 4.27 0.00 | 91.57 5.92 -0.38 | 71.87 4.54 -6.15 | 55.52 3.51 -5.54 | 66.75 3.01 -21.18 | 86.83 2.82 -41.36 |
| GLENWOOD_IC_2_G1 23688 | 52.23 2.75 -0.75 | 59.57 2.08 -20.43 | 35.04 1.92 0.00 | 32.05 1.77 0.00 | 35.43 1.88 0.00 | 40.36 2.09 0.00 | 49.44 2.82 0.00 | 81.62 4.81 0.00 | 97.31 5.97 -0.48 | 369.74 11.47 -206.47 | 161.09 8.41 -33.33 | 68.92 4.56 0.00 | 66.12 4.38 -0.08 | 60.76 4.36 -0.22 | 70.95 5.11 -2.14 | 75.00 5.56 -0.13 | 70.83 5.02 -1.53 | 67.76 4.71 -0.34 | 62.23 4.04 0.00 | 91.02 5.57 -0.17 | 68.30 4.29 -2.82 | 53.44 3.33 -3.64 | 65.53 2.85 -20.11 | 86.69 2.68 -41.36 |
| GLENWOOD_IC_3_G1 23689 | 52.23 2.75 -0.75 | 59.57 2.08 -20.43 | 35.04 1.92 0.00 | 32.05 1.77 0.00 | 35.43 1.88 0.00 | 40.36 2.09 0.00 | 49.44 2.82 0.00 | 81.62 4.81 0.00 | 97.31 5.97 -0.48 | 369.74 11.47 -206.47 | 161.09 8.41 -33.33 | 68.92 4.56 0.00 | 66.12 4.38 -0.08 | 60.76 4.36 -0.22 | 70.95 5.11 -2.14 | 75.00 5.56 -0.13 | 70.83 5.02 -1.53 | 67.76 4.71 -0.34 | 62.23 4.04 0.00 | 91.02 5.57 -0.17 | 68.30 4.29 -2.82 | 53.44 3.33 -3.64 | 65.53 2.85 -20.11 | 86.69 2.68 -41.36 |
| GLENWOOD___4 23550 | 52.38 2.90 -0.76 | 59.68 2.19 -20.43 | 35.14 2.02 0.00 | 32.14 1.87 0.00 | 35.53 1.98 0.00 | 40.47 2.20 0.00 | 49.57 2.95 0.00 | 81.84 5.03 0.00 | 97.59 6.27 -0.45 | 370.38 12.12 -206.47 | 161.54 8.87 -33.33 | 69.17 4.81 0.00 | 66.45 4.62 -0.17 | 61.24 4.57 -0.50 | 73.74 5.39 -4.65 | 75.46 5.86 -0.29 | 72.92 5.31 -3.33 | 68.44 4.97 -0.76 | 62.45 4.27 0.00 | 91.57 5.92 -0.38 | 71.87 4.54 -6.15 | 55.52 3.51 -5.54 | 66.75 3.01 -21.18 | 86.83 2.82 -41.36 |
| GLENWOOD___5 23614 | 52.38 2.90 -0.76 | 59.68 2.19 -20.43 | 35.14 2.02 0.00 | 32.14 1.87 0.00 | 35.53 1.98 0.00 | 40.47 2.20 0.00 | 49.57 2.95 0.00 | 81.84 5.03 0.00 | 97.59 6.27 -0.45 | 370.38 12.12 -206.47 | 161.54 8.87 -33.33 | 69.17 4.81 0.00 | 66.45 4.62 -0.17 | 61.24 4.57 -0.50 | 73.74 5.39 -4.65 | 75.46 5.86 -0.29 | 72.92 5.31 -3.33 | 68.44 4.97 -0.76 | 62.45 4.27 0.00 | 91.57 5.92 -0.38 | 71.87 4.54 -6.15 | 55.52 3.51 -5.54 | 66.75 3.01 -21.18 | 86.83 2.82 -41.36 |
| GLOBAL GREEN_PORT_GT1 23814 | 53.69 4.20 -0.75 | 60.95 3.46 -20.43 | 36.18 3.06 0.00 | 33.08 2.80 0.00 | 36.23 2.68 0.00 | 41.00 2.73 0.00 | 50.14 3.52 0.00 | 80.17 3.36 0.00 | 95.31 3.98 -0.47 | 366.52 8.26 -206.47 | 158.43 5.76 -33.33 | 67.51 3.15 0.00 | 64.64 2.94 -0.04 | 59.46 3.18 -0.11 | 68.54 3.81 -1.03 | 73.58 4.21 -0.06 | 68.80 3.78 -0.74 | 66.65 3.77 -0.16 | 61.32 3.13 0.00 | 89.77 4.42 -0.08 | 66.17 3.63 -1.36 | 51.83 2.50 -2.85 | 64.93 2.69 -19.67 | 87.01 3.00 -41.36 |
| GLOBE___DSASP 323697 | 37.58 -5.09 6.06 | 26.18 -3.94 6.94 | 22.99 -3.62 6.52 | 20.44 -3.43 6.41 | 23.21 -3.52 6.83 | 29.73 -3.48 5.06 | 33.45 -4.84 8.33 | 54.32 -9.64 12.85 | 65.66 -10.99 14.21 | 115.01 -17.33 19.46 | 86.60 -14.20 18.54 | 45.22 -7.89 11.25 | 41.32 -7.47 12.86 | 34.34 -6.75 15.09 | 37.95 -8.18 17.57 | 38.02 -8.94 22.35 | 37.32 -8.26 18.71 | 34.15 -7.65 20.91 | 30.91 -7.31 19.97 | 42.12 -10.95 32.20 | 40.81 -7.40 12.97 | 26.99 -5.28 14.20 | 29.55 -4.52 8.50 | 29.58 -4.65 8.42 |
| GOETHSLN___LBMP 323567 | 50.41 1.68 0.00 | 38.32 1.26 0.00 | 34.34 1.22 0.00 | 31.43 1.15 0.00 | 34.79 1.23 0.00 | 39.68 1.41 0.00 | 48.61 1.99 0.00 | 80.79 3.98 0.00 | 90.25 4.39 5.00 | 156.51 7.79 3.07 | 125.48 6.14 0.00 | 67.78 3.42 0.00 | 64.99 3.33 0.00 | 59.46 3.28 0.00 | 67.62 3.92 0.00 | 73.55 4.24 0.00 | 68.11 3.83 0.00 | 66.07 3.36 0.00 | 61.14 2.95 0.00 | 89.42 4.15 0.00 | 64.36 3.18 0.00 | 48.78 2.30 0.00 | 44.42 1.85 0.00 | 44.35 1.70 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 45.28 -2.17 1.27 | 33.75 -1.72 1.59 | 30.05 -1.59 1.48 | 27.43 -1.50 1.35 | 30.65 -1.47 1.43 | 35.93 -1.28 1.06 | 43.11 -1.74 1.77 | 69.96 -3.86 2.98 | 82.93 -4.55 3.39 | 139.79 -7.37 4.63 | 106.02 -6.42 6.90 | 56.75 -3.89 3.72 | 52.57 -3.87 5.21 | 44.95 -3.56 7.67 | 48.28 -4.46 10.97 | 46.67 -4.84 17.80 | 46.49 -4.36 13.44 | 46.08 -3.66 12.96 | 42.67 -3.29 12.24 | 53.10 -4.48 27.69 | 53.83 -2.85 4.50 | 37.89 -2.03 6.56 | 38.73 -1.72 2.12 | 38.73 -1.89 2.03 |

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|--|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GOODYEAR_LAKE_HYD 323669 | 49.94 1.21 0.00 | 37.88 0.82 0.00 | 33.83 0.71 0.00 | 30.92 0.64 0.00 | 34.32 0.77 0.00 | 39.26 0.99 0.00 | 48.05 1.43 0.00 | 79.36 2.55 0.00 | 93.88 3.02 0.00 | 157.19 5.39 0.00 | 123.40 4.03 -0.02 | 66.85 2.08 -0.41 | 64.48 1.98 -0.85 | 59.61 1.83 -1.61 | 65.66 1.96 0.00 | 70.35 1.96 0.91 | 65.42 1.79 0.65 | 64.24 1.72 0.19 | 59.74 1.74 0.18 | 86.56 2.64 1.36 | 63.24 2.13 0.07 | 48.10 1.61 0.00 | 43.90 1.34 0.00 | 43.81 1.16 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 47.96 -0.76 0.00 | 36.14 -0.75 0.17 | 32.29 -0.69 0.14 | 29.72 -0.56 0.00 | 33.01 -0.54 0.00 | 37.72 -0.55 0.00 | 46.12 -0.50 0.00 | 76.02 -0.79 0.00 | 90.04 -0.81 0.00 | 150.45 -1.35 0.00 | 115.99 -1.70 1.66 | 63.37 -0.98 0.00 | 60.72 -0.94 0.00 | 55.24 -0.94 0.00 | 61.43 -1.24 1.03 | 65.94 -1.04 2.32 | 61.19 -1.18 1.92 | 54.27 -1.20 7.24 | 50.33 -1.11 6.75 | 78.24 -1.32 5.71 | 59.63 -0.78 0.77 | 41.94 -0.59 3.96 | 42.03 -0.45 0.09 | 42.08 -0.58 0.00 |
| GOUDEY___7 23579 | 47.96 -0.76 0.00 | 36.14 -0.75 0.17 | 32.29 -0.69 0.14 | 29.72 -0.56 0.00 | 33.01 -0.54 0.00 | 37.72 -0.55 0.00 | 46.12 -0.50 0.00 | 76.02 -0.79 0.00 | 90.04 -0.81 0.00 | 150.45 -1.35 0.00 | 115.99 -1.70 1.66 | 63.37 -0.98 0.00 | 60.72 -0.94 0.00 | 55.24 -0.94 0.00 | 61.43 -1.24 1.03 | 65.94 -1.04 2.32 | 61.19 -1.18 1.92 | 54.27 -1.20 7.24 | 50.33 -1.11 6.75 | 78.24 -1.32 5.71 | 59.63 -0.78 0.77 | 41.94 -0.59 3.96 | 42.03 -0.45 0.09 | 42.08 -0.58 0.00 |
| GOUDEY___8 23580 | 47.96 -0.76 0.00 | 36.14 -0.75 0.17 | 32.29 -0.69 0.14 | 29.72 -0.56 0.00 | 33.01 -0.54 0.00 | 37.72 -0.55 0.00 | 46.12 -0.50 0.00 | 76.02 -0.79 0.00 | 90.04 -0.81 0.00 | 150.45 -1.35 0.00 | 115.99 -1.70 1.66 | 63.37 -0.98 0.00 | 60.72 -0.94 0.00 | 55.24 -0.94 0.00 | 61.43 -1.24 1.03 | 65.94 -1.04 2.32 | 61.19 -1.18 1.92 | 54.27 -1.20 7.24 | 50.33 -1.11 6.75 | 78.24 -1.32 5.71 | 59.63 -0.78 0.77 | 41.94 -0.59 3.96 | 42.03 -0.45 0.09 | 42.08 -0.58 0.00 |
| GOWANUS_GT1_1 24077 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT1_2 24078 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT1_3 24079 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT1_4 24080 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT1_5 24084 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT1_6 24111 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT1_7 24112 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT1_8 24113 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.19 8.09 -6.76 | 97.62 4.50 -28.76 | 97.60 4.36 -31.58 | 97.58 4.21 -37.19 | 97.65 4.95 -29.00 | 99.62 5.26 -25.05 | 98.75 4.87 -29.60 | 97.69 4.35 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.82 4.20 -32.44 | 97.65 3.11 -48.06 | 77.85 2.58 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT2_1 24114 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT2_2 24115 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT2_3 24116 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |

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|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT2_4 24117 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT2_5 24118 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT2_6 24119 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT2_7 24120 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT2_8 24121 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT3_1 24122 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT3_2 24123 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT3_3 24124 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT3_4 24125 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT3_5 24126 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT3_6 24127 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT3_7 24128 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT3_8 24129 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.18 8.08 -6.76 | 97.59 4.47 -28.76 | 97.57 4.33 -31.58 | 97.58 4.21 -37.19 | 97.63 4.93 -29.00 | 99.61 5.26 -25.05 | 98.72 4.83 -29.60 | 97.69 4.34 -30.63 | 97.79 3.91 -35.69 | 102.06 5.51 -11.27 | 97.80 4.18 -32.44 | 97.65 3.11 -48.06 | 77.86 2.59 -32.70 | 57.51 2.45 -12.40 |
| GOWANUS_GT4_1 24130 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT4_2 24131 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |

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| GOWANUS_GT4_3 24132 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT4_4 24133 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT4_5 24134 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT4_6 24135 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT4_7 24136 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GOWANUS_GT4_8 24137 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GREENBSH_115KV_TB3 55895 | 49.46 0.73 0.00 | 37.71 0.65 0.00 | 33.78 0.65 0.00 | 30.96 0.68 0.00 | 34.19 0.64 0.00 | 38.91 0.64 0.00 | 47.47 0.85 0.00 | 78.65 1.84 0.00 | 93.05 2.19 0.00 | 155.31 3.52 0.00 | 122.45 3.11 0.00 | 66.13 1.77 0.00 | 63.39 1.73 0.00 | 57.81 1.64 0.00 | 65.62 1.92 0.00 | 71.26 1.96 0.00 | 66.00 1.72 0.00 | 64.25 1.54 0.00 | 59.67 1.48 0.00 | 87.20 1.93 0.00 | 62.62 1.44 0.00 | 47.51 1.03 0.00 | 43.48 0.92 0.00 | 43.62 0.97 0.00 |
| GREENDGE_115KV_TB5 80291 | 58.25 -1.74 -11.26 | 47.13 -1.36 -11.43 | 42.69 -1.28 -10.85 | 41.10 -1.10 -11.92 | 45.18 -1.07 -12.69 | 46.58 -1.09 -9.40 | 60.77 -1.24 -15.39 | 97.63 -2.15 -22.97 | 114.31 -2.02 -25.47 | 182.93 -3.75 -34.88 | 122.36 -3.83 -6.84 | 71.15 -2.38 -9.17 | 59.48 -2.61 -0.43 | 37.75 -2.50 15.93 | 70.23 -3.44 -9.96 | 83.01 -3.54 -17.24 | 76.20 -3.40 -15.31 | 33.93 -2.96 25.82 | 32.65 -2.34 23.20 | 87.62 -2.96 -5.30 | 75.33 -1.92 -16.08 | 36.03 -1.46 9.00 | 55.46 -1.30 -14.20 | 55.97 -1.50 -14.81 |
| GREENIDGE___3 23582 | 58.25 -1.74 -11.26 | 47.13 -1.36 -11.43 | 42.69 -1.28 -10.85 | 41.10 -1.10 -11.92 | 45.18 -1.07 -12.69 | 46.58 -1.09 -9.40 | 60.77 -1.24 -15.39 | 97.63 -2.15 -22.97 | 114.31 -2.02 -25.47 | 182.93 -3.75 -34.88 | 122.36 -3.83 -6.84 | 71.15 -2.38 -9.17 | 59.48 -2.61 -0.43 | 37.75 -2.50 15.93 | 70.23 -3.44 -9.96 | 83.01 -3.54 -17.24 | 76.20 -3.40 -15.31 | 33.93 -2.96 25.82 | 32.65 -2.34 23.20 | 87.62 -2.96 -5.30 | 75.33 -1.92 -16.08 | 36.03 -1.46 9.00 | 55.46 -1.30 -14.20 | 55.97 -1.50 -14.81 |
| GREENIDGE___4 23583 | 58.28 -1.71 -11.26 | 47.13 -1.35 -11.43 | 42.70 -1.27 -10.85 | 41.10 -1.09 -11.92 | 45.19 -1.06 -12.69 | 46.59 -1.07 -9.40 | 60.78 -1.24 -15.39 | 97.64 -2.14 -22.97 | 114.32 -2.00 -25.47 | 182.97 -3.70 -34.88 | 122.34 -3.85 -6.84 | 71.13 -2.40 -9.17 | 59.44 -2.65 -0.43 | 37.71 -2.54 15.93 | 70.23 -3.43 -9.96 | 83.03 -3.52 -17.24 | 76.21 -3.38 -15.31 | 33.88 -3.01 25.82 | 32.61 -2.38 23.20 | 87.59 -2.99 -5.30 | 75.36 -1.90 -16.08 | 35.96 -1.52 9.00 | 55.46 -1.31 -14.20 | 55.95 -1.52 -14.81 |
| GREENLWN_69_KV_BK 3 55738 | 52.48 3.00 -0.75 | 59.72 2.22 -20.43 | 35.14 2.02 0.00 | 32.05 1.78 0.00 | 35.37 1.82 0.00 | 40.19 1.92 0.00 | 49.15 2.53 0.00 | 80.84 4.03 0.00 | 96.39 5.07 -0.46 | 368.59 10.32 -206.47 | 160.05 7.38 -33.33 | 68.30 3.94 0.00 | 65.48 3.78 -0.04 | 60.15 3.85 -0.13 | 69.43 4.52 -1.21 | 74.32 4.94 -0.08 | 69.68 4.53 -0.87 | 67.26 4.35 -0.19 | 61.73 3.54 0.00 | 90.00 4.62 -0.10 | 66.60 3.82 -1.61 | 52.60 3.13 -2.99 | 64.99 2.68 -19.75 | 86.53 2.52 -41.36 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |
| GRISSOM___SOLAR 323813 | 51.01 2.28 0.00 | 38.78 1.71 0.00 | 34.63 1.51 0.00 | 31.61 1.33 0.00 | 35.10 1.54 0.00 | 40.14 1.87 0.00 | 49.12 2.50 0.00 | 81.33 4.52 0.00 | 96.29 5.43 0.00 | 160.93 9.14 0.00 | 126.28 6.94 0.00 | 68.01 3.65 0.00 | 64.84 3.19 0.00 | 58.92 2.75 0.00 | 66.64 2.94 0.00 | 71.92 2.61 0.00 | 65.56 1.28 0.00 | 64.50 1.80 0.00 | 61.21 3.03 0.00 | 90.28 5.00 0.00 | 64.80 3.62 0.00 | 49.11 2.63 0.00 | 44.82 2.26 0.00 | 44.79 2.14 0.00 |
| GROVEVILLE___HYD 323602 | 50.81 2.09 0.00 | 38.60 1.54 0.00 | 34.57 1.44 0.00 | 31.64 1.36 0.00 | 35.04 1.48 0.00 | 39.96 1.69 0.00 | 48.98 2.35 0.00 | 81.40 4.59 0.00 | 96.19 5.33 0.00 | 160.99 9.20 0.00 | 126.62 7.28 0.00 | 68.39 4.03 0.00 | 65.56 3.89 0.00 | 59.89 3.72 0.00 | 68.01 4.31 0.00 | 73.98 4.68 0.00 | 68.51 4.23 0.00 | 66.59 3.88 0.00 | 61.73 3.54 0.00 | 90.32 5.04 0.00 | 64.91 3.73 0.00 | 49.17 2.69 0.00 | 44.82 2.26 0.00 | 44.74 2.09 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 48.11 -0.62 0.00 | 36.59 -0.47 0.00 | 32.74 -0.38 0.00 | 29.96 -0.32 0.00 | 33.24 -0.31 0.00 | 37.93 -0.34 0.00 | 46.18 -0.44 0.00 | 75.99 -0.82 0.00 | 89.99 -0.87 0.00 | 150.27 -1.52 0.00 | 117.88 -1.46 0.00 | 63.49 -0.87 0.00 | 60.75 -0.91 0.00 | 55.20 -0.97 0.00 | 62.45 -1.25 0.00 | 68.12 -1.19 0.00 | 63.20 -1.08 0.00 | 61.79 -0.92 0.00 | 57.36 -0.83 0.00 | 84.27 -1.03 -0.02 | 60.58 -0.60 0.00 | 46.12 -0.36 0.00 | 42.28 -0.28 0.00 | 42.28 -0.37 0.00 |

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| HAMLTNNY_34_KV_TB 80303 | 48.11 -0.62 0.00 | 36.56 -0.50 0.00 | 32.72 -0.40 0.00 | 29.95 -0.33 0.00 | 33.25 -0.30 0.00 | 37.95 -0.31 0.00 | 46.18 -0.44 0.00 | 76.05 -0.77 0.00 | 90.09 -0.77 0.00 | 150.42 -1.37 0.00 | 117.84 -1.50 0.00 | 63.44 -0.92 0.00 | 60.63 -1.03 0.00 | 55.05 -1.12 0.00 | 62.23 -1.47 0.00 | 68.00 -1.30 0.00 | 63.01 -1.28 0.00 | 61.69 -1.02 0.00 | 57.35 -0.84 0.00 | 84.30 -1.00 -0.02 | 60.62 -0.56 0.00 | 46.14 -0.34 0.00 | 42.30 -0.26 0.00 | 42.29 -0.37 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 48.14 -0.59 0.00 | 36.42 -0.64 0.00 | 32.41 -0.71 0.00 | 29.39 -0.89 0.00 | 32.68 -0.87 0.00 | 37.60 -0.67 0.00 | 46.12 -0.50 0.00 | 75.65 -1.17 0.00 | 89.29 -1.57 0.00 | 157.80 -3.34 -9.34 | 132.52 -2.83 -16.01 | 72.36 -1.99 -9.99 | 62.83 -2.09 -3.27 | 54.22 -1.96 0.00 | 61.97 -1.73 0.00 | 68.04 -1.27 0.00 | 63.66 -0.62 0.00 | 61.86 -0.85 0.00 | 57.23 -0.96 0.00 | 85.23 -0.71 -0.66 | 60.32 -0.85 0.00 | 45.71 -0.82 -0.05 | 48.87 -1.11 -7.41 | 45.82 -1.17 -4.33 |
| HARDSCRABBLE_WT_PWR 323673 | 48.36 -0.37 0.00 | 36.66 -0.40 0.00 | 32.84 -0.28 0.00 | 30.10 -0.17 0.00 | 33.26 -0.29 0.00 | 37.93 -0.33 0.00 | 46.38 -0.24 0.00 | 76.91 0.10 0.00 | 91.36 0.50 0.00 | 152.65 0.86 0.00 | 120.72 1.38 0.00 | 65.55 1.19 0.00 | 62.69 1.03 0.00 | 57.19 1.01 0.00 | 65.03 1.33 0.00 | 70.25 0.95 0.00 | 64.31 0.03 0.00 | 62.97 0.27 0.00 | 59.19 1.00 0.00 | 86.26 0.95 -0.03 | 62.06 0.88 0.00 | 47.10 0.63 0.00 | 42.94 0.38 0.00 | 42.96 0.30 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 50.33 1.61 0.00 | 38.23 1.17 0.00 | 34.22 1.10 0.00 | 31.31 1.03 0.00 | 34.70 1.15 0.00 | 39.60 1.33 0.00 | 48.52 1.90 0.00 | 80.57 3.76 0.00 | 95.17 4.31 0.00 | 159.23 7.44 0.00 | 125.32 5.98 0.00 | 67.68 3.32 0.00 | 64.87 3.21 0.00 | 59.28 3.10 0.00 | 67.35 3.65 0.00 | 73.27 3.97 0.00 | 67.88 3.59 0.00 | 65.92 3.21 0.00 | 61.09 2.90 0.00 | 89.43 4.15 0.00 | 64.26 3.09 0.00 | 48.68 2.20 0.00 | 44.36 1.80 0.00 | 44.30 1.65 0.00 |
| HARSNRAD_115KV_TB1 81005 | 36.55 -4.50 7.68 | 24.82 -3.52 8.72 | 21.67 -3.26 8.19 | 19.09 -3.06 8.12 | 21.79 -3.11 8.65 | 28.82 -3.04 6.41 | 31.93 -4.17 10.52 | 52.36 -8.33 16.12 | 63.61 -9.47 17.78 | 112.27 -15.18 24.35 | 84.95 -12.50 21.89 | 43.68 -7.06 13.61 | 39.78 -6.73 15.14 | 32.96 -6.15 17.07 | 35.85 -7.45 20.40 | 35.70 -8.08 25.53 | 35.21 -7.47 21.60 | 33.15 -6.79 22.77 | 29.88 -6.49 21.83 | 39.94 -9.51 35.82 | 39.01 -6.35 15.82 | 25.87 -4.53 16.08 | 28.01 -3.95 10.61 | 28.00 -4.09 10.55 |
| HARZA MOOSE___RIVER 24016 | 48.83 0.10 0.00 | 36.92 -0.14 0.00 | 32.89 -0.23 0.00 | 29.87 -0.41 0.00 | 33.22 -0.34 0.00 | 38.20 -0.07 0.00 | 46.87 0.25 0.00 | 76.94 0.13 0.00 | 91.10 0.24 0.00 | 154.42 -0.06 -2.68 | 123.75 -0.19 -4.59 | 66.93 -0.30 -2.87 | 62.29 -0.31 -0.94 | 55.93 -0.24 0.00 | 63.65 -0.05 0.00 | 69.61 0.30 0.00 | 65.07 0.79 0.00 | 63.46 0.75 0.00 | 58.62 0.43 0.00 | 86.75 1.29 -0.19 | 61.93 0.75 0.00 | 46.96 0.46 -0.01 | 44.72 0.02 -2.13 | 43.81 -0.09 -1.24 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 47.81 -0.92 0.00 | 36.37 -0.69 0.00 | 32.52 -0.60 0.00 | 29.76 -0.52 0.00 | 33.01 -0.55 0.00 | 37.66 -0.61 0.00 | 45.89 -0.73 0.00 | 75.42 -1.40 0.00 | 89.35 -1.50 0.00 | 149.25 -2.54 0.00 | 117.13 -2.22 0.00 | 63.11 -1.25 0.00 | 60.41 -1.25 0.00 | 54.94 -1.24 0.00 | 62.13 -1.57 0.00 | 67.72 -1.58 0.00 | 62.87 -1.41 0.00 | 61.38 -1.33 0.00 | 56.97 -1.22 0.00 | 83.67 -1.64 -0.03 | 60.17 -1.01 0.00 | 45.83 -0.65 0.00 | 42.03 -0.53 0.00 | 42.03 -0.62 0.00 |
| HELLGATE_13_KV_LD 55870 | 50.96 2.23 0.00 | 38.74 1.68 0.00 | 34.73 1.61 0.00 | 31.78 1.49 -0.01 | 35.17 1.62 0.00 | 40.11 1.84 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.75 5.54 -15.35 | 163.65 9.65 -2.21 | 126.82 7.48 0.00 | 68.54 4.17 0.00 | 65.69 4.02 -0.01 | 62.60 3.93 -2.49 | 70.35 4.62 -2.02 | 76.97 4.99 -2.67 | 71.49 4.53 -2.68 | 66.74 4.04 0.00 | 61.76 3.58 0.00 | 90.29 5.02 0.00 | 65.04 3.86 0.00 | 49.33 2.85 -0.01 | 44.90 2.33 0.00 | 44.87 2.20 -0.01 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 50.96 2.23 0.00 | 38.74 1.68 0.00 | 34.73 1.61 0.00 | 31.78 1.49 -0.01 | 35.17 1.62 0.00 | 40.11 1.84 0.00 | 49.17 2.54 0.00 | 85.52 4.86 -3.85 | 111.75 5.54 -15.35 | 163.65 9.65 -2.21 | 126.82 7.48 0.00 | 68.54 4.17 0.00 | 65.69 4.02 -0.01 | 62.60 3.93 -2.49 | 70.35 4.62 -2.02 | 76.97 4.99 -2.67 | 71.49 4.53 -2.68 | 66.74 4.04 0.00 | 61.76 3.58 0.00 | 90.29 5.02 0.00 | 65.04 3.86 0.00 | 49.33 2.85 -0.01 | 44.90 2.33 0.00 | 44.87 2.20 -0.01 |
| HEMPSTEAD____ 23647 | 52.17 2.69 -0.76 | 59.53 2.04 -20.43 | 35.00 1.88 0.00 | 32.02 1.74 0.00 | 35.38 1.83 0.00 | 40.29 2.02 0.00 | 49.34 2.72 0.00 | 81.42 4.61 0.00 | 97.03 5.73 -0.44 | 369.42 11.15 -206.47 | 160.83 8.15 -33.33 | 68.78 4.42 0.00 | 66.11 4.26 -0.20 | 61.12 4.37 -0.57 | 74.11 5.23 -5.18 | 75.30 5.66 -0.33 | 73.08 5.09 -3.71 | 68.36 4.77 -0.88 | 62.25 4.06 0.00 | 91.36 5.66 -0.42 | 72.34 4.31 -6.85 | 55.93 3.38 -6.07 | 66.95 2.91 -21.48 | 86.77 2.76 -41.36 |
| HEWLETT_69_KV_BK3 55828 | 52.49 2.99 -0.76 | 59.75 2.26 -20.43 | 35.19 2.07 0.00 | 32.19 1.91 0.00 | 35.58 2.03 0.00 | 40.52 2.25 0.00 | 49.63 3.01 0.00 | 81.99 5.17 0.00 | 97.46 6.27 -0.33 | 370.20 11.93 -206.47 | 161.57 8.90 -33.33 | 69.32 4.96 0.00 | 67.02 4.73 -0.63 | 62.65 4.62 -1.85 | 88.05 5.46 -18.89 | 76.45 5.95 -1.20 | 83.25 5.43 -13.53 | 70.64 5.09 -2.83 | 62.58 4.39 0.00 | 92.88 6.07 -1.54 | 90.77 4.71 -24.89 | 64.93 3.55 -14.90 | 72.06 3.07 -26.42 | 86.90 2.88 -41.36 |
| HICKLING___1 23621 | 50.30 -2.14 -3.72 | 38.34 -1.93 -3.21 | 34.43 -1.79 -3.10 | 32.70 -1.51 -3.94 | 36.24 -1.51 -4.19 | 39.78 -1.60 -3.11 | 50.23 -1.60 -5.21 | 82.02 -2.52 -7.74 | 97.84 -2.06 -9.05 | 160.43 -3.75 -12.39 | 107.19 -4.09 8.06 | 60.06 -2.33 1.97 | 48.70 -2.35 10.61 | 27.71 -2.37 26.10 | 57.20 -3.10 3.40 | 68.47 -3.31 -2.48 | 62.67 -3.49 -1.88 | 27.76 -3.31 31.63 | 26.02 -2.99 29.17 | 71.03 -3.60 10.64 | 61.64 -2.51 -2.97 | 28.28 -2.08 16.12 | 45.19 -1.70 -4.32 | 45.57 -1.89 -4.81 |
| HICKLING___2 23622 | 50.30 -2.14 -3.72 | 38.34 -1.93 -3.21 | 34.43 -1.79 -3.10 | 32.70 -1.51 -3.94 | 36.24 -1.51 -4.19 | 39.78 -1.60 -3.11 | 50.23 -1.60 -5.21 | 82.02 -2.52 -7.74 | 97.84 -2.06 -9.05 | 160.43 -3.75 -12.39 | 107.19 -4.09 8.06 | 60.06 -2.33 1.97 | 48.70 -2.35 10.61 | 27.71 -2.37 26.10 | 57.20 -3.10 3.40 | 68.47 -3.31 -2.48 | 62.67 -3.49 -1.88 | 27.76 -3.31 31.63 | 26.02 -2.99 29.17 | 71.03 -3.60 10.64 | 61.64 -2.51 -2.97 | 28.28 -2.08 16.12 | 45.19 -1.70 -4.32 | 45.57 -1.89 -4.81 |
| HIGH FALLS___HY 23754 | 50.80 2.08 0.00 | 38.56 1.50 0.00 | 34.51 1.39 0.00 | 31.58 1.30 0.00 | 35.01 1.45 0.00 | 39.97 1.70 0.00 | 49.01 2.39 0.00 | 81.40 4.59 0.00 | 96.29 5.43 0.00 | 161.34 9.55 0.00 | 126.85 7.51 0.00 | 68.49 4.13 0.00 | 65.65 3.99 0.00 | 59.92 3.74 0.00 | 68.04 4.34 0.00 | 74.00 4.69 0.00 | 68.51 4.23 0.00 | 66.54 3.83 0.00 | 61.75 3.56 0.00 | 90.41 5.13 0.00 | 65.00 3.82 0.00 | 49.23 2.75 0.00 | 44.84 2.27 0.00 | 44.71 2.06 0.00 |
| HIGH_RIVER___SOLAR 323847 | 50.27 1.54 0.00 | 38.24 1.18 0.00 | 34.18 1.06 0.00 | 31.24 0.96 0.00 | 34.62 1.07 0.00 | 39.50 1.23 0.00 | 48.25 1.63 0.00 | 79.95 3.14 0.00 | 94.62 3.76 0.00 | 158.13 6.33 0.00 | 124.26 4.92 0.00 | 66.98 2.62 0.00 | 64.00 2.34 0.00 | 58.19 2.02 0.00 | 66.00 2.30 0.00 | 71.64 2.34 0.00 | 65.97 1.68 0.00 | 64.55 1.84 0.00 | 60.40 2.22 0.00 | 88.76 3.49 0.00 | 63.71 2.53 0.00 | 48.33 1.85 0.00 | 44.17 1.61 0.00 | 44.24 1.58 0.00 |

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| HILLBURN___GT 23639 | 50.18 1.46 0.00 | 38.11 1.05 0.00 | 34.13 1.01 0.00 | 31.22 0.94 0.00 | 34.60 1.05 0.00 | 39.49 1.22 0.00 | 48.42 1.80 0.00 | 80.44 3.63 0.00 | 94.95 4.09 0.00 | 158.82 7.03 0.00 | 125.03 5.68 0.00 | 67.51 3.16 0.00 | 64.73 3.07 0.00 | 59.18 3.00 0.00 | 67.28 3.58 0.00 | 73.19 3.88 0.00 | 67.80 3.51 0.00 | 65.80 3.09 0.00 | 60.89 2.70 0.00 | 89.12 3.85 0.00 | 64.03 2.86 0.00 | 48.52 2.04 0.00 | 44.20 1.64 0.00 | 44.17 1.52 0.00 |
| HILLSIDE_115KV_TB1 80332 | 49.82 -2.23 -3.33 | 37.86 -2.03 -2.84 | 34.00 -1.86 -2.74 | 32.25 -1.55 -3.52 | 35.73 -1.57 -3.75 | 39.37 -1.69 -2.79 | 49.62 -1.73 -4.74 | 81.16 -2.70 -7.05 | 97.07 -2.23 -8.44 | 159.41 -3.94 -11.56 | 107.01 -4.24 8.09 | 59.76 -2.32 2.28 | 48.62 -2.24 10.80 | 27.96 -2.15 26.06 | 57.15 -2.86 3.69 | 68.31 -3.15 -2.16 | 62.36 -3.45 -1.53 | 29.48 -3.49 29.74 | 27.53 -3.22 27.44 | 70.97 -4.01 10.29 | 60.87 -2.81 -2.50 | 28.97 -2.26 15.24 | 44.59 -1.80 -3.83 | 44.95 -1.99 -4.29 |
| HISHELDN_WT_PWR 323625 | 5.80 -4.92 38.01 | -9.01 -3.86 42.21 | -10.24 -3.63 39.74 | -13.14 -3.20 40.21 | -12.64 -3.36 42.83 | 2.79 -3.78 31.69 | -9.56 -4.41 51.77 | -8.96 -7.89 77.89 | -3.43 -8.83 85.46 | 20.13 -14.64 117.02 | 19.05 -12.44 87.85 | -1.44 -6.86 58.94 | -4.51 -6.73 59.43 | -6.87 -6.36 56.68 | -13.21 -7.44 69.48 | -13.14 -7.85 74.59 | -12.18 -7.68 68.79 | -6.45 -7.64 61.52 | -8.98 -7.06 60.11 | -13.47 -8.88 89.86 | -13.94 -5.90 69.22 | -13.32 -4.80 55.00 | -12.25 -4.30 50.52 | -12.54 -4.44 50.75 |
| HOLTSVILLE_IC_1 23690 | 52.44 2.96 -0.75 | 59.93 2.43 -20.43 | 35.36 2.24 0.00 | 32.34 2.06 0.00 | 35.68 2.13 0.00 | 40.58 2.31 0.00 | 49.65 3.03 0.00 | 80.87 4.06 0.00 | 96.54 5.22 -0.47 | 368.77 10.51 -206.47 | 160.20 7.52 -33.33 | 68.40 4.04 0.00 | 65.52 3.82 -0.04 | 60.19 3.91 -0.11 | 69.34 4.63 -1.01 | 74.48 5.11 -0.06 | 69.58 4.57 -0.72 | 67.27 4.40 -0.16 | 61.81 3.62 0.00 | 90.12 4.76 -0.08 | 66.43 3.92 -1.34 | 52.45 3.13 -2.83 | 65.16 2.94 -19.66 | 86.87 2.86 -41.36 |
| HOLTSVILLE_IC_10 23699 | 52.65 3.16 -0.75 | 60.07 2.58 -20.43 | 35.47 2.35 0.00 | 32.45 2.18 0.00 | 35.80 2.25 0.00 | 40.73 2.47 0.00 | 49.88 3.26 0.00 | 81.29 4.48 0.00 | 97.07 5.75 -0.47 | 369.69 11.42 -206.47 | 160.88 8.20 -33.33 | 68.79 4.43 0.00 | 65.90 4.20 -0.04 | 60.55 4.26 -0.11 | 69.81 5.01 -1.10 | 74.90 5.52 -0.07 | 70.03 4.97 -0.78 | 67.69 4.80 -0.17 | 62.16 3.98 0.00 | 90.63 5.27 -0.09 | 66.91 4.28 -1.45 | 52.77 3.39 -2.90 | 65.42 3.16 -19.70 | 87.06 3.05 -41.36 |
| HOLTSVILLE_IC_2 23691 | 52.44 2.96 -0.75 | 59.93 2.43 -20.43 | 35.36 2.24 0.00 | 32.34 2.06 0.00 | 35.68 2.13 0.00 | 40.58 2.31 0.00 | 49.65 3.03 0.00 | 80.87 4.06 0.00 | 96.54 5.22 -0.47 | 368.77 10.51 -206.47 | 160.20 7.52 -33.33 | 68.40 4.04 0.00 | 65.52 3.82 -0.04 | 60.19 3.91 -0.11 | 69.34 4.63 -1.01 | 74.48 5.11 -0.06 | 69.58 4.57 -0.72 | 67.27 4.40 -0.16 | 61.81 3.62 0.00 | 90.12 4.76 -0.08 | 66.43 3.92 -1.34 | 52.45 3.13 -2.83 | 65.16 2.94 -19.66 | 86.87 2.86 -41.36 |
| HOLTSVILLE_IC_3 23692 | 52.44 2.96 -0.75 | 59.93 2.43 -20.43 | 35.36 2.24 0.00 | 32.34 2.06 0.00 | 35.68 2.13 0.00 | 40.58 2.31 0.00 | 49.65 3.03 0.00 | 80.87 4.06 0.00 | 96.54 5.22 -0.47 | 368.77 10.51 -206.47 | 160.20 7.52 -33.33 | 68.40 4.04 0.00 | 65.52 3.82 -0.04 | 60.19 3.91 -0.11 | 69.34 4.63 -1.01 | 74.48 5.11 -0.06 | 69.58 4.57 -0.72 | 67.27 4.40 -0.16 | 61.81 3.62 0.00 | 90.12 4.76 -0.08 | 66.43 3.92 -1.34 | 52.45 3.13 -2.83 | 65.16 2.94 -19.66 | 86.87 2.86 -41.36 |
| HOLTSVILLE_IC_4 23693 | 52.44 2.96 -0.75 | 59.93 2.43 -20.43 | 35.36 2.24 0.00 | 32.34 2.06 0.00 | 35.68 2.13 0.00 | 40.58 2.31 0.00 | 49.65 3.03 0.00 | 80.87 4.06 0.00 | 96.54 5.22 -0.47 | 368.77 10.51 -206.47 | 160.20 7.52 -33.33 | 68.40 4.04 0.00 | 65.52 3.82 -0.04 | 60.19 3.91 -0.11 | 69.34 4.63 -1.01 | 74.48 5.11 -0.06 | 69.58 4.57 -0.72 | 67.27 4.40 -0.16 | 61.81 3.62 0.00 | 90.12 4.76 -0.08 | 66.43 3.92 -1.34 | 52.45 3.13 -2.83 | 65.16 2.94 -19.66 | 86.87 2.86 -41.36 |
| HOLTSVILLE_IC_5 23694 | 52.44 2.96 -0.75 | 59.93 2.43 -20.43 | 35.36 2.24 0.00 | 32.34 2.06 0.00 | 35.68 2.13 0.00 | 40.58 2.31 0.00 | 49.65 3.03 0.00 | 80.87 4.06 0.00 | 96.54 5.22 -0.47 | 368.77 10.51 -206.47 | 160.20 7.52 -33.33 | 68.40 4.04 0.00 | 65.52 3.82 -0.04 | 60.19 3.91 -0.11 | 69.34 4.63 -1.01 | 74.48 5.11 -0.06 | 69.58 4.57 -0.72 | 67.27 4.40 -0.16 | 61.81 3.62 0.00 | 90.12 4.76 -0.08 | 66.43 3.92 -1.34 | 52.45 3.13 -2.83 | 65.16 2.94 -19.66 | 86.87 2.86 -41.36 |
| HOLTSVILLE_IC_6 23695 | 52.65 3.16 -0.75 | 60.07 2.58 -20.43 | 35.47 2.35 0.00 | 32.45 2.18 0.00 | 35.80 2.25 0.00 | 40.73 2.47 0.00 | 49.88 3.26 0.00 | 81.29 4.48 0.00 | 97.07 5.75 -0.47 | 369.69 11.42 -206.47 | 160.88 8.20 -33.33 | 68.79 4.43 0.00 | 65.90 4.20 -0.04 | 60.55 4.26 -0.11 | 69.81 5.01 -1.10 | 74.90 5.52 -0.07 | 70.03 4.97 -0.78 | 67.69 4.80 -0.17 | 62.16 3.98 0.00 | 90.63 5.27 -0.09 | 66.91 4.28 -1.45 | 52.77 3.39 -2.90 | 65.42 3.16 -19.70 | 87.06 3.05 -41.36 |
| HOLTSVILLE_IC_7 23696 | 52.65 3.16 -0.75 | 60.07 2.58 -20.43 | 35.47 2.35 0.00 | 32.45 2.18 0.00 | 35.80 2.25 0.00 | 40.73 2.47 0.00 | 49.88 3.26 0.00 | 81.29 4.48 0.00 | 97.07 5.75 -0.47 | 369.69 11.42 -206.47 | 160.88 8.20 -33.33 | 68.79 4.43 0.00 | 65.90 4.20 -0.04 | 60.55 4.26 -0.11 | 69.81 5.01 -1.10 | 74.90 5.52 -0.07 | 70.03 4.97 -0.78 | 67.69 4.80 -0.17 | 62.16 3.98 0.00 | 90.63 5.27 -0.09 | 66.91 4.28 -1.45 | 52.77 3.39 -2.90 | 65.42 3.16 -19.70 | 87.06 3.05 -41.36 |
| HOLTSVILLE_IC_8 23697 | 52.65 3.16 -0.75 | 60.07 2.58 -20.43 | 35.47 2.35 0.00 | 32.45 2.18 0.00 | 35.80 2.25 0.00 | 40.73 2.47 0.00 | 49.88 3.26 0.00 | 81.29 4.48 0.00 | 97.07 5.75 -0.47 | 369.69 11.42 -206.47 | 160.88 8.20 -33.33 | 68.79 4.43 0.00 | 65.90 4.20 -0.04 | 60.55 4.26 -0.11 | 69.81 5.01 -1.10 | 74.90 5.52 -0.07 | 70.03 4.97 -0.78 | 67.69 4.80 -0.17 | 62.16 3.98 0.00 | 90.63 5.27 -0.09 | 66.91 4.28 -1.45 | 52.77 3.39 -2.90 | 65.42 3.16 -19.70 | 87.06 3.05 -41.36 |
| HOLTSVILLE_IC_9 23698 | 52.65 3.16 -0.75 | 60.07 2.58 -20.43 | 35.47 2.35 0.00 | 32.45 2.18 0.00 | 35.80 2.25 0.00 | 40.73 2.47 0.00 | 49.88 3.26 0.00 | 81.29 4.48 0.00 | 97.07 5.75 -0.47 | 369.69 11.42 -206.47 | 160.88 8.20 -33.33 | 68.79 4.43 0.00 | 65.90 4.20 -0.04 | 60.55 4.26 -0.11 | 69.81 5.01 -1.10 | 74.90 5.52 -0.07 | 70.03 4.97 -0.78 | 67.69 4.80 -0.17 | 62.16 3.98 0.00 | 90.63 5.27 -0.09 | 66.91 4.28 -1.45 | 52.77 3.39 -2.90 | 65.42 3.16 -19.70 | 87.06 3.05 -41.36 |
| HOMER_HL_115KV_TB2 355744 | 46.26 -2.47 0.00 | 34.39 -2.25 0.43 | 30.70 -2.05 0.37 | 28.44 -1.83 0.00 | 31.78 -1.78 0.00 | 36.43 -1.84 0.00 | 44.56 -2.06 0.00 | 73.03 -3.79 0.00 | 86.89 -3.97 0.00 | 145.75 -6.05 0.00 | 105.35 -6.16 7.83 | 57.70 -3.75 2.91 | 52.38 -3.30 5.98 | 41.91 -2.91 11.35 | 52.71 -3.97 7.02 | 56.32 -4.11 8.88 | 52.99 -4.47 6.83 | 39.35 -4.22 19.13 | 36.22 -4.13 17.84 | 60.69 -5.95 18.63 | 55.12 -3.89 2.18 | 33.66 -2.69 10.13 | 39.92 -2.42 0.22 | 40.23 -2.43 0.00 |
| HOWARD_WT_PWR 323690 | 68.39 -4.54 -24.21 | 59.02 -3.75 -25.72 | 53.68 -3.75 -24.31 | 52.65 -3.24 -25.61 | 57.45 -3.38 -27.28 | 54.51 -3.94 -20.18 | 75.17 -4.41 -32.96 | 118.70 -7.31 -49.21 | 137.59 -7.42 -54.15 | 213.06 -12.89 -74.16 | 142.45 -11.55 -34.66 | 85.57 -6.92 -28.13 | 73.29 -7.05 -18.68 | 49.15 -6.89 0.13 | 84.93 -8.10 -29.33 | 96.23 -8.56 -35.48 | 89.84 -7.98 -33.54 | 45.84 -6.97 9.90 | 44.41 -6.33 7.45 | 102.24 -7.55 -24.52 | 94.62 -5.14 -38.59 | 49.13 -4.88 -7.53 | 69.59 -4.13 -31.16 | 70.22 -4.33 -31.90 |

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|-------------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| HQ_GEN_CEDARS 23644 | 49.33 0.61 0.00 | 37.49 0.43 0.00 | 33.41 0.29 0.00 | 30.43 0.15 0.00 | 33.76 0.20 0.00 | 38.64 0.37 0.00 | 47.10 0.48 0.00 | 77.62 0.81 0.00 | 91.56 0.70 0.00 | 158.90 1.00 -6.10 | 130.54 0.74 -10.46 | 71.10 0.22 -6.52 | 63.91 0.12 -2.13 | 56.21 0.03 0.00 | 63.86 0.16 0.00 | 69.58 0.27 0.00 | 64.78 0.49 0.00 | 63.23 0.52 0.00 | 58.64 0.45 0.00 | 87.39 0.84 -1.27 | 61.43 0.25 0.00 | 46.58 0.07 -0.03 | 47.43 0.02 -4.84 | 45.59 0.11 -2.83 |
| HQ_GEN_CEDARS_PROXY 323590 | 49.34 0.61 0.00 | 37.49 0.43 0.00 | 33.39 0.29 0.02 | 30.29 0.15 0.14 | 33.76 0.21 0.00 | 38.64 0.37 0.00 | 47.10 0.48 0.00 | 77.62 0.81 0.00 | 91.56 0.71 0.00 | 158.89 1.00 -6.10 | 130.51 0.72 -10.46 | 71.10 0.22 -6.52 | 63.91 0.12 -2.13 | 56.21 0.03 0.00 | 63.85 0.15 0.00 | 69.58 0.27 0.00 | 64.78 0.50 0.00 | 63.23 0.52 0.00 | 58.64 0.45 0.00 | 87.38 0.83 -1.27 | 61.43 0.25 0.00 | 46.58 0.07 -0.03 | 47.43 0.02 -4.84 | 45.59 0.11 -2.83 |
| HQ_GEN_IMPORT 323601 | 49.09 0.36 0.00 | 37.33 0.27 0.00 | 33.31 0.18 0.00 | 30.39 0.11 0.00 | 33.69 0.14 0.00 | 38.49 0.22 0.00 | 46.85 0.23 0.00 | 75.27 0.27 1.81 | 91.06 0.20 0.00 | 152.05 0.25 0.00 | 107.21 0.23 12.36 | 64.43 0.07 0.00 | 61.74 0.08 0.00 | 56.22 0.05 0.00 | 63.76 0.06 0.00 | 69.40 0.10 0.00 | 64.47 0.19 0.00 | 62.98 0.27 0.00 | 58.41 0.22 0.00 | 85.57 0.36 0.06 | 61.24 0.06 0.00 | 46.47 -0.01 0.00 | 42.54 -0.02 0.00 | 42.70 0.05 0.00 |
| HQ_GEN_WHEEL 23651 | 49.09 0.36 0.00 | 37.33 0.27 0.00 | 33.31 0.18 0.00 | 30.39 0.11 0.00 | 33.69 0.14 0.00 | 38.49 0.22 0.00 | 46.85 0.23 0.00 | 75.27 0.27 1.81 | 91.06 0.20 0.00 | 152.05 0.25 0.00 | 107.21 0.23 12.36 | 64.43 0.07 0.00 | 61.74 0.08 0.00 | 56.22 0.05 0.00 | 63.76 0.06 0.00 | 69.40 0.10 0.00 | 64.47 0.19 0.00 | 62.98 0.27 0.00 | 58.41 0.22 0.00 | 85.57 0.36 0.06 | 61.24 0.06 0.00 | 46.47 -0.01 0.00 | 42.54 -0.02 0.00 | 42.70 0.05 0.00 |
| HUDSON AVE_GT_3 23810 | 50.81 2.09 0.00 | 38.62 1.56 0.00 | 34.61 1.48 0.00 | 31.66 1.39 0.00 | 35.06 1.51 0.00 | 39.98 1.71 0.00 | 49.01 2.39 0.00 | 81.41 4.60 0.00 | 96.08 5.22 0.00 | 160.95 9.16 0.00 | 126.54 7.20 0.00 | 68.36 4.00 0.00 | 65.53 3.87 0.00 | 59.94 3.77 0.00 | 68.16 4.46 0.00 | 74.12 4.82 0.00 | 68.65 4.36 0.00 | 66.62 3.91 0.00 | 61.63 3.45 0.00 | 90.12 4.85 0.00 | 64.87 3.69 0.00 | 49.17 2.69 0.00 | 44.77 2.20 0.00 | 44.70 2.04 0.00 |
| HUDSON AVE_GT_4 23540 | 50.81 2.09 0.00 | 38.62 1.56 0.00 | 34.61 1.48 0.00 | 31.66 1.39 0.00 | 35.06 1.51 0.00 | 39.98 1.71 0.00 | 49.01 2.39 0.00 | 81.41 4.60 0.00 | 96.08 5.22 0.00 | 160.95 9.16 0.00 | 126.54 7.20 0.00 | 68.36 4.00 0.00 | 65.53 3.87 0.00 | 59.94 3.77 0.00 | 68.16 4.46 0.00 | 74.12 4.82 0.00 | 68.65 4.36 0.00 | 66.62 3.91 0.00 | 61.63 3.45 0.00 | 90.12 4.85 0.00 | 64.87 3.69 0.00 | 49.17 2.69 0.00 | 44.77 2.20 0.00 | 44.70 2.04 0.00 |
| HUDSON AVE_GT_5 23657 | 50.81 2.09 0.00 | 38.62 1.56 0.00 | 34.61 1.48 0.00 | 31.66 1.39 0.00 | 35.06 1.51 0.00 | 39.98 1.71 0.00 | 49.01 2.39 0.00 | 81.41 4.60 0.00 | 96.08 5.22 0.00 | 160.95 9.16 0.00 | 126.54 7.20 0.00 | 68.36 4.00 0.00 | 65.53 3.87 0.00 | 59.94 3.77 0.00 | 68.16 4.46 0.00 | 74.12 4.82 0.00 | 68.65 4.36 0.00 | 66.62 3.91 0.00 | 61.63 3.45 0.00 | 90.12 4.85 0.00 | 64.87 3.69 0.00 | 49.17 2.69 0.00 | 44.77 2.20 0.00 | 44.70 2.04 0.00 |
| HUDSON_AVE_10 24168 | 50.70 1.97 0.00 | 38.54 1.48 0.00 | 34.54 1.42 0.00 | 31.60 1.32 0.00 | 34.99 1.43 0.00 | 39.91 1.64 0.00 | 48.88 2.26 0.00 | 81.11 4.30 0.00 | 95.61 4.74 -0.01 | 160.24 8.45 0.00 | 126.02 6.68 0.00 | 68.06 3.70 0.00 | 65.23 3.57 0.00 | 59.66 3.49 0.00 | 67.85 4.16 0.00 | 73.81 4.50 0.00 | 68.36 4.07 0.00 | 66.31 3.60 0.00 | 61.35 3.16 0.00 | 89.70 4.42 0.00 | 64.60 3.43 0.00 | 48.96 2.48 0.00 | 44.57 2.01 0.00 | 44.60 1.95 0.00 |
| HUDSON___115KV_TB 4 355613 | 50.44 1.72 0.00 | 38.44 1.37 0.00 | 34.41 1.28 0.00 | 31.54 1.26 0.00 | 34.86 1.31 0.00 | 39.72 1.45 0.00 | 48.55 1.94 0.00 | 80.52 3.71 0.00 | 95.40 4.54 0.00 | 159.26 7.46 0.00 | 125.52 6.18 0.00 | 67.78 3.42 0.00 | 64.89 3.23 0.00 | 59.10 2.93 0.00 | 66.93 3.23 0.00 | 72.72 3.42 0.00 | 67.39 3.11 0.00 | 65.49 2.78 0.00 | 61.01 2.82 0.00 | 89.38 4.11 0.00 | 64.14 2.97 0.00 | 48.61 2.13 0.00 | 44.43 1.86 0.00 | 44.50 1.85 0.00 |
| HUNTER MOUNT___DRP 323613 | 50.77 2.04 0.00 | 38.67 1.61 0.00 | 34.61 1.49 0.00 | 31.72 1.45 0.00 | 35.08 1.52 0.00 | 39.97 1.70 0.00 | 48.88 2.26 0.00 | 81.07 4.25 0.00 | 96.09 5.23 0.00 | 160.37 8.57 0.00 | 126.41 7.07 0.00 | 68.24 3.88 0.00 | 65.31 3.65 0.00 | 59.44 3.27 0.00 | 67.30 3.60 0.00 | 73.14 3.84 0.00 | 67.77 3.49 0.00 | 65.88 3.17 0.00 | 61.42 3.23 0.00 | 89.96 4.69 0.00 | 64.54 3.36 0.00 | 48.89 2.41 0.00 | 44.68 2.12 0.00 | 44.75 2.09 0.00 |
| HUNTINGTON_RES_REC 323705 | 52.62 3.14 -0.75 | 59.91 2.42 -20.43 | 35.32 2.20 0.00 | 32.26 1.98 0.00 | 35.58 2.03 0.00 | 40.47 2.20 0.00 | 49.53 2.91 0.00 | 81.13 4.32 0.00 | 96.81 5.49 -0.47 | 369.25 10.98 -206.47 | 160.51 7.84 -33.33 | 68.58 4.22 0.00 | 65.72 4.02 -0.04 | 60.37 4.08 -0.11 | 69.60 4.80 -1.10 | 74.64 5.26 -0.07 | 69.86 4.79 -0.78 | 67.57 4.68 -0.17 | 62.02 3.84 0.00 | 90.36 5.00 -0.09 | 66.73 4.11 -1.45 | 52.72 3.35 -2.90 | 65.23 2.96 -19.70 | 86.81 2.80 -41.36 |
| HUNTLEY___63 23557 | 38.97 -4.03 5.73 | 27.30 -3.18 6.59 | 24.00 -2.95 6.18 | 21.41 -2.81 6.06 | 24.28 -2.82 6.46 | 30.83 -2.65 4.78 | 35.07 -3.67 7.88 | 57.15 -7.49 12.16 | 69.04 -8.38 13.44 | 120.29 -13.10 18.40 | 90.40 -10.96 17.98 | 47.32 -6.24 10.80 | 43.20 -5.96 12.49 | 35.89 -5.40 14.89 | 40.01 -6.63 17.06 | 40.39 -7.17 21.76 | 39.44 -6.69 18.15 | 35.79 -6.05 20.87 | 32.47 -5.81 19.91 | 44.96 -8.66 31.66 | 43.03 -5.75 12.40 | 28.41 -4.07 14.00 | 31.04 -3.48 8.05 | 31.04 -3.65 7.97 |
| HUNTLEY___64 23558 | 38.97 -4.03 5.73 | 27.30 -3.18 6.59 | 24.00 -2.95 6.18 | 21.41 -2.81 6.06 | 24.28 -2.82 6.46 | 30.83 -2.65 4.78 | 35.07 -3.67 7.88 | 57.15 -7.49 12.16 | 69.04 -8.38 13.44 | 120.29 -13.10 18.40 | 90.40 -10.96 17.98 | 47.32 -6.24 10.80 | 43.20 -5.96 12.49 | 35.89 -5.40 14.89 | 40.01 -6.63 17.06 | 40.39 -7.17 21.76 | 39.44 -6.69 18.15 | 35.79 -6.05 20.87 | 32.47 -5.81 19.91 | 44.96 -8.66 31.66 | 43.03 -5.75 12.40 | 28.41 -4.07 14.00 | 31.04 -3.48 8.05 | 31.04 -3.65 7.97 |
| HUNTLEY___65 23559 | 38.97 -4.03 5.73 | 27.30 -3.18 6.59 | 24.00 -2.95 6.18 | 21.41 -2.81 6.06 | 24.28 -2.82 6.46 | 30.83 -2.65 4.78 | 35.07 -3.67 7.88 | 57.15 -7.49 12.16 | 69.04 -8.38 13.44 | 120.29 -13.10 18.40 | 90.40 -10.96 17.98 | 47.32 -6.24 10.80 | 43.20 -5.96 12.49 | 35.89 -5.40 14.89 | 40.01 -6.63 17.06 | 40.39 -7.17 21.76 | 39.44 -6.69 18.15 | 35.79 -6.05 20.87 | 32.47 -5.81 19.91 | 44.96 -8.66 31.66 | 43.03 -5.75 12.40 | 28.41 -4.07 14.00 | 31.04 -3.48 8.05 | 31.04 -3.65 7.97 |
| HUNTLEY___66 23560 | 38.97 -4.03 5.73 | 27.30 -3.18 6.59 | 24.00 -2.95 6.18 | 21.41 -2.81 6.06 | 24.28 -2.82 6.46 | 30.83 -2.65 4.78 | 35.07 -3.67 7.88 | 57.15 -7.49 12.16 | 69.04 -8.38 13.44 | 120.29 -13.10 18.40 | 90.40 -10.96 17.98 | 47.32 -6.24 10.80 | 43.20 -5.96 12.49 | 35.89 -5.40 14.89 | 40.01 -6.63 17.06 | 40.39 -7.17 21.76 | 39.44 -6.69 18.15 | 35.79 -6.05 20.87 | 32.47 -5.81 19.91 | 44.96 -8.66 31.66 | 43.03 -5.75 12.40 | 28.41 -4.07 14.00 | 31.04 -3.48 8.05 | 31.04 -3.65 7.97 |

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| HUNTLEY___67 23561 | 39.18 -4.07 5.48 | 27.53 -3.22 6.31 | 24.22 -2.98 5.93 | 21.65 -2.84 5.80 | 24.54 -2.84 6.17 | 31.00 -2.70 4.57 | 35.32 -3.76 7.55 | 57.58 -7.57 11.66 | 69.54 -8.42 12.89 | 120.95 -13.19 17.66 | 90.70 -11.10 17.55 | 47.59 -6.31 10.46 | 43.53 -5.94 12.19 | 36.10 -5.40 14.67 | 40.48 -6.67 16.54 | 41.04 -7.23 21.04 | 39.99 -6.74 17.55 | 35.77 -6.23 20.71 | 32.44 -6.01 19.75 | 45.57 -8.89 30.81 | 43.29 -5.92 11.96 | 28.46 -4.20 13.82 | 31.26 -3.57 7.72 | 31.29 -3.72 7.64 |
| HUNTLEY___68 23562 | 39.18 -4.07 5.48 | 27.53 -3.22 6.31 | 24.22 -2.98 5.93 | 21.65 -2.84 5.80 | 24.54 -2.84 6.17 | 31.00 -2.70 4.57 | 35.32 -3.76 7.55 | 57.58 -7.57 11.66 | 69.54 -8.42 12.89 | 120.95 -13.19 17.66 | 90.70 -11.10 17.55 | 47.59 -6.31 10.46 | 43.53 -5.94 12.19 | 36.10 -5.40 14.67 | 40.48 -6.67 16.54 | 41.04 -7.23 21.04 | 39.99 -6.74 17.55 | 35.77 -6.23 20.71 | 32.44 -6.01 19.75 | 45.57 -8.89 30.81 | 43.29 -5.92 11.96 | 28.46 -4.20 13.82 | 31.26 -3.57 7.72 | 31.29 -3.72 7.64 |
| HYLAND___LFGE 323620 | 73.77 -1.35 -26.39 | 64.39 -1.17 -28.50 | 58.81 -1.22 -26.90 | 57.10 -1.09 -27.92 | 62.34 -0.95 -29.74 | 59.50 -0.77 -22.00 | 81.87 -0.64 -35.89 | 128.84 -1.49 -53.52 | 147.49 -2.07 -58.71 | 225.59 -6.60 -80.39 | 157.98 -6.94 -45.59 | 94.05 -4.15 -33.84 | 84.53 -4.28 -27.15 | 65.11 -4.03 -12.96 | 92.42 -4.98 -33.71 | 99.19 -5.40 -35.28 | 94.11 -5.01 -34.83 | 65.03 -4.40 -6.73 | 63.09 -3.26 -8.16 | 110.99 -2.17 -27.89 | 103.58 -0.98 -43.38 | 64.31 -1.00 -18.84 | 75.87 -0.85 -34.16 | 76.21 -1.17 -34.73 |
| INDECK___CORINTH 23802 | 51.64 2.92 0.00 | 39.25 2.19 0.00 | 35.10 1.98 0.00 | 31.92 1.64 0.00 | 35.15 1.60 0.00 | 39.71 1.44 0.00 | 48.22 1.60 0.00 | 79.86 3.05 0.00 | 94.83 3.97 0.00 | 158.23 6.43 0.00 | 124.25 4.91 0.00 | 67.04 2.68 0.00 | 64.33 2.68 0.00 | 58.63 2.45 0.00 | 66.51 2.81 0.00 | 72.27 2.96 0.00 | 66.78 2.50 0.00 | 65.26 2.55 0.00 | 60.67 2.49 0.00 | 88.76 3.49 0.00 | 63.47 2.29 0.00 | 48.09 1.61 0.00 | 44.08 1.52 0.00 | 45.06 2.40 0.00 |
| INDECK___ILION 23567 | 48.67 -0.05 0.00 | 36.97 -0.09 0.00 | 33.08 -0.04 0.00 | 30.28 0.00 0.00 | 33.52 -0.03 0.00 | 38.22 -0.05 0.00 | 46.66 0.04 0.00 | 77.18 0.37 0.00 | 91.47 0.61 0.00 | 152.81 1.01 0.00 | 120.51 1.17 0.00 | 65.24 0.88 0.00 | 62.45 0.79 0.00 | 56.94 0.77 0.00 | 64.65 0.95 0.00 | 70.04 0.73 0.00 | 64.51 0.22 0.00 | 63.04 0.33 0.00 | 58.89 0.70 -0.03 | 86.09 0.78 0.00 | 61.87 0.69 0.00 | 46.96 0.48 0.00 | 42.89 0.33 0.00 | 42.94 0.29 0.00 |
| INDECK___OLEAN 23982 | 46.29 -2.43 0.00 | 34.41 -2.22 0.43 | 30.73 -2.03 0.37 | 28.48 -1.80 0.00 | 31.80 -1.75 0.00 | 36.45 -1.82 0.00 | 44.58 -2.04 0.00 | 73.10 -3.71 0.00 | 86.92 -3.94 0.00 | 146.00 -5.80 0.00 | 105.37 -6.14 7.83 | 57.80 -3.66 2.91 | 52.47 -3.22 5.98 | 41.71 -3.12 11.35 | 52.80 -3.88 7.02 | 56.50 -3.93 8.88 | 53.09 -4.37 6.83 | 39.25 -4.33 19.13 | 36.13 -4.23 17.84 | 60.68 -5.96 18.63 | 55.26 -3.74 2.18 | 33.48 -2.87 10.13 | 39.95 -2.39 0.22 | 40.26 -2.39 0.00 |
| INDECK___OSWEGO 23783 | 47.38 -1.34 0.00 | 36.05 -1.01 0.00 | 32.25 -0.87 0.00 | 29.49 -0.79 0.00 | 32.69 -0.87 0.00 | 37.29 -0.98 0.00 | 45.36 -1.26 0.00 | 74.58 -2.23 0.00 | 88.28 -2.58 0.00 | 147.37 -4.42 0.00 | 115.69 -3.65 0.00 | 62.24 -2.12 0.00 | 59.57 -2.09 0.00 | 54.26 -1.92 0.00 | 61.52 -2.18 0.00 | 67.01 -2.30 0.00 | 62.29 -2.00 0.00 | 60.74 -1.97 0.00 | 56.35 -1.84 0.00 | 82.81 -2.51 -0.04 | 59.46 -1.72 0.00 | 45.29 -1.18 0.00 | 41.53 -1.03 0.00 | 41.54 -1.11 0.00 |
| INDECK___YERKES 23781 | 39.05 -3.95 5.73 | 27.37 -3.10 6.59 | 24.07 -2.87 6.18 | 21.47 -2.75 6.06 | 24.35 -2.74 6.46 | 30.89 -2.59 4.78 | 35.15 -3.59 7.88 | 57.31 -7.34 12.16 | 69.20 -8.23 13.44 | 120.78 -12.61 18.40 | 90.64 -10.72 17.98 | 47.52 -6.04 10.80 | 43.36 -5.80 12.49 | 35.96 -5.32 14.89 | 40.24 -6.40 17.06 | 40.75 -6.80 21.76 | 39.65 -6.48 18.15 | 35.80 -6.04 20.87 | 32.55 -5.73 19.91 | 45.20 -8.42 31.66 | 43.30 -5.48 12.40 | 28.41 -4.07 14.00 | 31.14 -3.38 8.05 | 31.14 -3.55 7.97 |
| INDIAN POINT_GT_1 24139 | 50.24 1.51 0.00 | 38.17 1.11 0.00 | 34.18 1.06 0.00 | 31.28 1.00 0.00 | 34.65 1.10 0.00 | 39.51 1.24 0.00 | 48.38 1.76 0.00 | 80.36 3.54 0.00 | 94.86 4.00 0.00 | 158.78 6.98 0.00 | 124.91 5.57 0.00 | 67.45 3.10 0.00 | 64.67 3.01 0.00 | 59.12 2.95 0.00 | 67.20 3.50 0.00 | 73.12 3.81 0.00 | 67.71 3.43 0.00 | 65.76 3.05 0.00 | 60.91 2.72 0.00 | 89.10 3.83 0.00 | 64.06 2.89 0.00 | 48.56 2.08 0.00 | 44.25 1.68 0.00 | 44.21 1.56 0.00 |
| INDIAN POINT_GT_2 23659 | 50.24 1.51 0.00 | 38.17 1.11 0.00 | 34.18 1.06 0.00 | 31.28 1.00 0.00 | 34.65 1.10 0.00 | 39.51 1.24 0.00 | 48.38 1.76 0.00 | 80.36 3.54 0.00 | 94.86 4.00 0.00 | 158.78 6.98 0.00 | 124.91 5.57 0.00 | 67.45 3.10 0.00 | 64.67 3.01 0.00 | 59.12 2.95 0.00 | 67.20 3.50 0.00 | 73.12 3.81 0.00 | 67.71 3.43 0.00 | 65.76 3.05 0.00 | 60.91 2.72 0.00 | 89.10 3.83 0.00 | 64.06 2.89 0.00 | 48.56 2.08 0.00 | 44.25 1.68 0.00 | 44.21 1.56 0.00 |
| INDIAN POINT_GT_3 24019 | 50.24 1.51 0.00 | 38.17 1.11 0.00 | 34.18 1.06 0.00 | 31.28 1.00 0.00 | 34.65 1.10 0.00 | 39.51 1.24 0.00 | 48.38 1.76 0.00 | 80.36 3.54 0.00 | 94.86 4.00 0.00 | 158.78 6.98 0.00 | 124.91 5.57 0.00 | 67.45 3.10 0.00 | 64.67 3.01 0.00 | 59.12 2.95 0.00 | 67.20 3.50 0.00 | 73.12 3.81 0.00 | 67.71 3.43 0.00 | 65.76 3.05 0.00 | 60.91 2.72 0.00 | 89.10 3.83 0.00 | 64.06 2.89 0.00 | 48.56 2.08 0.00 | 44.25 1.68 0.00 | 44.21 1.56 0.00 |
| INDIAN POINT___2 23530 | 50.06 1.33 0.00 | 38.02 0.97 0.00 | 34.04 0.92 0.00 | 31.16 0.88 0.00 | 34.52 0.96 0.00 | 39.38 1.11 0.00 | 48.19 1.57 0.00 | 80.05 3.24 0.00 | 94.46 3.60 0.00 | 158.02 6.23 0.00 | 124.39 5.05 0.00 | 67.15 2.79 0.00 | 64.39 2.73 0.00 | 58.89 2.71 0.00 | 66.92 3.22 0.00 | 72.79 3.49 0.00 | 67.43 3.15 0.00 | 65.50 2.79 0.00 | 60.66 2.48 0.00 | 88.79 3.51 0.00 | 63.79 2.61 0.00 | 48.37 1.89 0.00 | 44.07 1.51 0.00 | 44.04 1.39 0.00 |
| INDIAN POINT___3 23531 | 50.31 1.58 0.00 | 38.22 1.16 0.00 | 34.24 1.12 0.00 | 31.33 1.05 0.00 | 34.69 1.14 0.00 | 39.56 1.29 0.00 | 48.44 1.82 0.00 | 80.44 3.63 0.00 | 95.00 4.14 0.00 | 159.03 7.23 0.00 | 125.06 5.72 0.00 | 67.53 3.17 0.00 | 64.75 3.10 0.00 | 59.22 3.04 0.00 | 67.29 3.59 0.00 | 73.19 3.89 0.00 | 67.80 3.51 0.00 | 65.84 3.13 0.00 | 60.98 2.79 0.00 | 89.19 3.91 0.00 | 64.14 2.96 0.00 | 48.61 2.13 0.00 | 44.32 1.75 0.00 | 44.26 1.61 0.00 |
| INGHAM_C_115KV_TB7 356103 | 48.51 -0.22 0.00 | 36.80 -0.26 0.00 | 33.00 -0.13 0.00 | 30.26 -0.02 0.00 | 33.42 -0.13 0.00 | 38.10 -0.17 0.00 | 46.64 0.02 0.00 | 77.43 0.62 0.00 | 91.93 1.07 0.00 | 153.49 1.69 0.00 | 121.43 2.09 0.00 | 65.93 1.58 0.00 | 63.00 1.34 0.00 | 57.48 1.30 0.00 | 65.32 1.63 0.00 | 70.51 1.20 0.00 | 64.29 0.01 0.00 | 62.99 0.28 0.00 | 59.31 1.12 0.00 | 86.57 1.26 -0.03 | 62.31 1.13 0.00 | 47.26 0.78 0.00 | 43.10 0.54 0.00 | 43.15 0.50 0.00 |
| IP CORINTH___1 23988 | 51.64 2.92 0.00 | 39.25 2.19 0.00 | 35.10 1.97 0.00 | 31.95 1.68 0.00 | 35.23 1.68 0.00 | 39.86 1.59 0.00 | 48.47 1.85 0.00 | 80.30 3.49 0.00 | 95.33 4.47 0.00 | 159.10 7.31 0.00 | 124.89 5.54 0.00 | 67.40 3.04 0.00 | 64.66 3.00 0.00 | 58.93 2.75 0.00 | 66.85 3.15 0.00 | 72.66 3.35 0.00 | 67.12 2.84 0.00 | 65.61 2.90 0.00 | 61.02 2.83 0.00 | 89.24 3.96 0.00 | 63.81 2.64 0.00 | 48.32 1.84 0.00 | 44.30 1.74 0.00 | 45.11 2.45 0.00 |

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| IP___TICONDEROGA 23804 | 53.72 5.00 0.00 | 40.76 3.70 0.00 | 36.38 3.26 0.00 | 33.21 2.93 0.00 | 36.67 3.11 0.00 | 41.60 3.33 0.00 | 50.50 3.88 0.00 | 83.74 6.93 0.00 | 99.92 9.06 0.00 | 165.91 14.12 0.00 | 129.81 10.47 0.00 | 70.00 5.64 0.00 | 67.13 5.47 0.00 | 61.35 5.17 0.00 | 69.47 5.77 0.00 | 75.55 6.24 0.00 | 69.69 5.40 0.00 | 68.57 5.86 0.00 | 63.82 5.63 0.00 | 93.56 8.29 0.00 | 66.47 5.30 0.00 | 50.05 3.57 0.00 | 46.25 3.69 0.00 | 46.63 3.98 0.00 |
| ISLIP_RES_REC 323679 | 52.83 3.35 -0.75 | 60.22 2.72 -20.43 | 35.60 2.47 0.00 | 32.56 2.28 0.00 | 35.92 2.37 0.00 | 40.89 2.62 0.00 | 50.09 3.47 0.00 | 81.67 4.86 0.00 | 97.54 6.21 -0.47 | 370.49 12.22 -206.47 | 161.55 8.87 -33.33 | 69.15 4.79 0.00 | 66.24 4.54 -0.04 | 60.86 4.56 -0.12 | 70.21 5.36 -1.15 | 75.30 5.92 -0.07 | 70.40 5.29 -0.82 | 68.02 5.13 -0.18 | 62.46 4.27 0.00 | 91.07 5.70 -0.09 | 67.27 4.57 -1.52 | 53.02 3.60 -2.94 | 65.61 3.33 -19.72 | 87.22 3.22 -41.36 |
| JAMAICA__27_KV_LOAD 355505 | 51.17 2.44 0.00 | 38.93 1.87 0.00 | 34.90 1.78 0.00 | 31.90 1.62 0.00 | 35.36 1.80 0.00 | 40.34 2.07 0.00 | 49.36 2.74 0.00 | 81.65 4.84 0.00 | 95.96 5.08 -0.02 | 160.97 9.18 0.00 | 126.78 7.43 0.00 | 68.39 4.03 0.00 | 65.45 3.80 0.00 | 59.86 3.68 0.00 | 68.11 4.41 0.00 | 74.14 4.84 0.00 | 68.67 4.38 0.00 | 66.58 3.87 0.00 | 61.58 3.39 0.00 | 89.99 4.72 0.00 | 64.98 3.80 0.00 | 49.18 2.70 0.00 | 44.73 2.17 0.00 | 45.03 2.38 0.00 |
| JANIS___SOLAR 323808 | 51.22 0.64 -1.86 | 39.99 0.06 -2.87 | 35.82 0.06 -2.64 | 32.34 0.09 -1.96 | 35.73 0.09 -2.09 | 40.04 0.22 -1.55 | 49.77 0.58 -2.57 | 81.72 1.11 -3.80 | 96.64 1.63 -4.15 | 160.32 2.85 -5.68 | 138.70 1.95 -17.40 | 73.13 0.92 -7.85 | 75.52 0.70 -13.16 | 78.87 0.43 -22.27 | 70.88 -0.31 -7.49 | 70.55 -0.42 -1.66 | 67.46 0.13 -3.05 | 97.53 0.73 -34.09 | 90.81 0.79 -31.84 | 99.28 2.20 -11.81 | 69.57 2.45 -5.94 | 69.36 1.82 -21.06 | 46.65 1.29 -2.80 | 46.13 1.07 -2.40 |
| JARVIS____ 23743 | 48.68 -0.05 0.00 | 37.02 -0.04 0.00 | 33.09 -0.03 0.00 | 30.25 -0.03 0.00 | 33.52 -0.03 0.00 | 38.23 -0.05 0.00 | 46.57 -0.05 0.00 | 76.80 -0.01 0.00 | 90.94 0.08 0.00 | 151.93 0.14 0.00 | 119.52 0.18 0.00 | 64.54 0.18 0.00 | 61.84 0.19 0.00 | 56.36 0.18 0.00 | 63.95 0.25 0.00 | 69.48 0.17 0.00 | 64.42 0.13 0.00 | 62.82 0.11 0.00 | 58.31 0.12 0.00 | 85.48 0.17 -0.03 | 61.35 0.17 0.00 | 46.58 0.10 0.00 | 42.61 0.05 0.00 | 42.71 0.05 0.00 |
| JENNISON___1 23625 | 48.47 -0.26 0.00 | 36.60 -0.64 -0.17 | 32.57 -0.70 -0.15 | 29.61 -0.67 0.00 | 32.81 -0.74 0.00 | 37.55 -0.72 0.00 | 46.11 -0.51 0.00 | 76.21 -0.60 0.00 | 90.65 -0.21 0.00 | 152.17 0.38 0.00 | 123.28 0.67 -3.27 | 66.21 0.23 -1.63 | 65.40 0.39 -3.35 | 63.26 0.73 -6.36 | 65.32 0.72 -0.90 | 68.45 0.77 1.63 | 64.36 1.01 0.93 | 70.11 1.08 -6.32 | 64.92 0.86 -5.88 | 85.89 0.85 0.24 | 63.86 2.21 -0.47 | 52.17 1.79 -3.90 | 43.88 1.24 -0.08 | 43.56 0.91 0.00 |
| JENNISON___2 23626 | 48.47 -0.26 0.00 | 36.60 -0.64 -0.17 | 32.57 -0.70 -0.15 | 29.61 -0.67 0.00 | 32.81 -0.74 0.00 | 37.55 -0.72 0.00 | 46.11 -0.51 0.00 | 76.21 -0.60 0.00 | 90.65 -0.21 0.00 | 152.17 0.38 0.00 | 123.28 0.67 -3.27 | 66.21 0.23 -1.63 | 65.40 0.39 -3.35 | 63.26 0.73 -6.36 | 65.32 0.72 -0.90 | 68.45 0.77 1.63 | 64.36 1.01 0.93 | 70.11 1.08 -6.32 | 64.92 0.86 -5.88 | 85.89 0.85 0.24 | 63.86 2.21 -0.47 | 52.17 1.79 -3.90 | 43.88 1.24 -0.08 | 43.56 0.91 0.00 |
| JERICHO_RISE_WT_PWR 323719 | 49.39 0.67 0.00 | 37.34 0.28 0.00 | 33.25 0.12 0.00 | 30.18 -0.10 0.00 | 33.39 -0.17 0.00 | 37.99 -0.28 0.00 | 46.15 -0.47 0.00 | 75.95 -0.86 0.00 | 89.51 -1.35 0.00 | 65.60 -3.48 82.72 | -25.29 -2.92 141.71 | -25.65 -1.59 88.43 | 31.25 -1.50 28.91 | 54.99 -1.18 0.00 | 62.48 -1.22 0.00 | 68.28 -1.03 0.00 | 64.02 -0.26 0.00 | 63.17 0.46 0.00 | 58.72 0.53 0.00 | 86.87 1.01 -0.59 | 60.53 -0.65 0.00 | 45.06 -0.99 0.42 | -24.34 -1.27 65.63 | 3.12 -1.18 38.35 |
| KATONAH___115KV_46KV_TB4 355592 | 50.80 2.07 0.00 | 38.60 1.54 0.00 | 34.57 1.45 0.00 | 31.64 1.36 0.00 | 35.04 1.48 0.00 | 39.96 1.69 0.00 | 48.98 2.36 0.00 | 81.42 4.61 0.00 | 96.20 5.34 0.00 | 161.13 9.33 0.00 | 126.68 7.33 0.00 | 68.43 4.07 0.00 | 65.57 3.91 0.00 | 59.94 3.77 0.00 | 68.11 4.41 0.00 | 74.07 4.77 0.00 | 68.59 4.30 0.00 | 66.64 3.93 0.00 | 61.74 3.55 0.00 | 90.29 5.02 0.00 | 64.94 3.76 0.00 | 49.19 2.71 0.00 | 44.81 2.25 0.00 | 44.71 2.05 0.00 |
| KCE_NY_1 323755 | 50.95 2.23 0.00 | 38.73 1.67 0.00 | 34.64 1.52 0.00 | 31.66 1.38 0.00 | 35.04 1.49 0.00 | 39.85 1.58 0.00 | 48.65 2.03 0.00 | 80.67 3.86 0.00 | 95.59 4.73 0.00 | 159.50 7.71 0.00 | 125.59 6.24 0.00 | 67.75 3.39 0.00 | 64.82 3.16 0.00 | 59.05 2.88 0.00 | 67.17 3.47 0.00 | 73.03 3.72 0.00 | 67.46 3.17 0.00 | 65.86 3.15 0.00 | 61.29 3.10 0.00 | 89.59 4.31 0.00 | 64.08 2.90 0.00 | 48.61 2.13 0.00 | 44.53 1.97 0.00 | 44.97 2.31 0.00 |
| KCE_NY_6_ESR 323823 | 40.62 -3.42 4.69 | 28.86 -2.74 5.47 | 25.44 -2.56 5.13 | 22.82 -2.49 4.96 | 25.84 -2.43 5.28 | 32.11 -2.24 3.91 | 37.03 -3.11 6.48 | 60.48 -6.29 10.05 | 72.88 -6.87 11.11 | 126.16 -10.42 15.21 | 93.87 -9.25 16.22 | 49.73 -5.23 9.40 | 45.39 -4.97 11.30 | 37.35 -4.68 14.15 | 42.78 -5.72 15.20 | 43.96 -6.00 19.34 | 42.51 -5.72 16.05 | 36.79 -5.38 20.53 | 33.49 -5.18 19.52 | 48.60 -7.59 29.08 | 45.64 -4.94 10.60 | 29.49 -3.65 13.33 | 32.85 -3.03 6.68 | 32.90 -3.17 6.58 |
| KEDC_PORT_JEFF_GT2 24210 | 52.68 3.20 -0.75 | 60.08 2.59 -20.43 | 35.48 2.36 0.00 | 32.44 2.16 0.00 | 35.79 2.24 0.00 | 40.73 2.46 0.00 | 49.87 3.25 0.00 | 81.33 4.52 0.00 | 97.11 5.79 -0.47 | 369.57 11.30 -206.47 | 160.61 7.93 -33.33 | 68.81 4.45 0.00 | 65.93 4.23 -0.04 | 60.56 4.27 -0.11 | 69.80 5.03 -1.07 | 74.91 5.53 -0.07 | 70.05 5.00 -0.77 | 67.75 4.87 -0.17 | 62.20 4.01 0.00 | 90.39 5.03 -0.09 | 66.93 4.34 -1.42 | 52.80 3.44 -2.88 | 65.43 3.18 -19.69 | 87.06 3.05 -41.36 |
| KEDC_PORT_JEFF_GT3 24211 | 52.68 3.20 -0.75 | 60.08 2.59 -20.43 | 35.48 2.36 0.00 | 32.44 2.16 0.00 | 35.79 2.24 0.00 | 40.73 2.46 0.00 | 49.87 3.25 0.00 | 81.33 4.52 0.00 | 97.11 5.79 -0.47 | 369.57 11.30 -206.47 | 160.61 7.93 -33.33 | 68.81 4.45 0.00 | 65.93 4.23 -0.04 | 60.56 4.27 -0.11 | 69.80 5.03 -1.07 | 74.91 5.53 -0.07 | 70.05 5.00 -0.77 | 67.75 4.87 -0.17 | 62.20 4.01 0.00 | 90.39 5.03 -0.09 | 66.93 4.34 -1.42 | 52.80 3.44 -2.88 | 65.43 3.18 -19.69 | 87.06 3.05 -41.36 |
| KEDC_GLWD_GT4 24219 | 52.38 2.90 -0.76 | 59.68 2.19 -20.43 | 35.14 2.02 0.00 | 32.14 1.86 0.00 | 35.52 1.97 0.00 | 40.46 2.19 0.00 | 49.56 2.94 0.00 | 81.84 5.03 0.00 | 97.57 6.25 -0.45 | 370.32 12.05 -206.47 | 161.52 8.85 -33.33 | 69.15 4.79 0.00 | 66.44 4.61 -0.17 | 61.24 4.56 -0.50 | 73.73 5.38 -4.65 | 75.46 5.86 -0.29 | 72.89 5.27 -3.33 | 68.45 4.98 -0.76 | 62.44 4.26 0.00 | 91.56 5.91 -0.38 | 71.84 4.51 -6.15 | 55.51 3.49 -5.54 | 66.75 3.01 -21.18 | 86.83 2.82 -41.36 |
| KEDC_GLWD_GT5 24220 | 52.38 2.90 -0.76 | 59.68 2.19 -20.43 | 35.14 2.02 0.00 | 32.14 1.86 0.00 | 35.52 1.97 0.00 | 40.46 2.19 0.00 | 49.56 2.94 0.00 | 81.84 5.03 0.00 | 97.57 6.25 -0.45 | 370.32 12.05 -206.47 | 161.52 8.85 -33.33 | 69.15 4.79 0.00 | 66.44 4.61 -0.17 | 61.24 4.56 -0.50 | 73.73 5.38 -4.65 | 75.46 5.86 -0.29 | 72.89 5.27 -3.33 | 68.45 4.98 -0.76 | 62.44 4.26 0.00 | 91.56 5.91 -0.38 | 71.84 4.51 -6.15 | 55.51 3.49 -5.54 | 66.75 3.01 -21.18 | 86.83 2.82 -41.36 |

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| KENSICO____ 23655 | 50.56 1.84 0.00 | 38.42 1.36 0.00 | 34.42 1.30 0.00 | 31.51 1.23 0.00 | 34.88 1.32 0.00 | 39.76 1.49 0.00 | 48.71 2.09 0.00 | 80.89 4.08 0.00 | 95.56 4.70 0.00 | 160.08 8.29 0.00 | 125.83 6.49 0.00 | 67.97 3.62 0.00 | 65.14 3.48 0.00 | 59.57 3.39 0.00 | 67.70 4.00 0.00 | 73.64 4.33 0.00 | 68.21 3.92 0.00 | 66.23 3.52 0.00 | 61.32 3.13 0.00 | 89.67 4.40 0.00 | 64.50 3.32 0.00 | 48.90 2.42 0.00 | 44.57 2.01 0.00 | 44.49 1.84 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 50.82 2.10 0.00 | 38.60 1.54 0.00 | 34.54 1.42 0.00 | 31.61 1.33 0.00 | 35.03 1.48 0.00 | 40.00 1.74 0.00 | 49.04 2.42 0.00 | 81.46 4.65 0.00 | 96.34 5.48 0.00 | 161.41 9.61 0.00 | 126.94 7.60 0.00 | 68.52 4.16 0.00 | 65.67 4.01 0.00 | 59.92 3.75 0.00 | 68.04 4.34 0.00 | 74.00 4.69 0.00 | 68.51 4.23 0.00 | 66.57 3.86 0.00 | 61.79 3.61 0.00 | 90.48 5.20 0.00 | 65.03 3.85 0.00 | 49.25 2.77 0.00 | 44.86 2.30 0.00 | 44.76 2.10 0.00 |
| KIAC_JFK_GT1 23816 | 50.88 2.15 0.00 | 38.70 1.64 0.00 | 34.71 1.59 0.00 | 31.73 1.45 0.00 | 35.15 1.60 0.00 | 40.10 1.84 0.00 | 49.04 2.42 0.00 | 81.10 4.29 0.00 | 95.35 4.47 -0.02 | 159.92 8.13 0.00 | 125.88 6.54 0.00 | 67.95 3.59 0.00 | 65.06 3.40 0.00 | 59.54 3.36 0.00 | 67.73 4.03 0.00 | 73.72 4.41 0.00 | 68.28 3.99 0.00 | 66.16 3.45 0.00 | 61.21 3.02 0.00 | 89.43 4.16 0.00 | 64.55 3.37 0.00 | 48.87 2.39 0.00 | 44.48 1.92 0.00 | 44.77 2.11 0.00 |
| KIAC_JFK_GT2 23817 | 50.88 2.15 0.00 | 38.70 1.64 0.00 | 34.71 1.59 0.00 | 31.73 1.45 0.00 | 35.15 1.60 0.00 | 40.10 1.84 0.00 | 49.04 2.42 0.00 | 81.10 4.29 0.00 | 95.35 4.47 -0.02 | 159.92 8.13 0.00 | 125.88 6.54 0.00 | 67.95 3.59 0.00 | 65.06 3.40 0.00 | 59.54 3.36 0.00 | 67.73 4.03 0.00 | 73.72 4.41 0.00 | 68.28 3.99 0.00 | 66.16 3.45 0.00 | 61.21 3.02 0.00 | 89.43 4.16 0.00 | 64.55 3.37 0.00 | 48.87 2.39 0.00 | 44.48 1.92 0.00 | 44.77 2.11 0.00 |
| KIAC_JFK____ 323774 | 50.87 2.14 0.00 | 38.70 1.63 0.00 | 34.70 1.58 0.00 | 31.71 1.43 0.00 | 35.15 1.60 0.00 | 40.09 1.83 0.00 | 49.03 2.41 0.00 | 81.08 4.27 0.00 | 95.34 4.47 -0.02 | 159.82 8.02 0.00 | 125.86 6.52 0.00 | 67.94 3.58 0.00 | 65.05 3.39 0.00 | 59.54 3.36 0.00 | 67.71 4.01 0.00 | 73.70 4.40 0.00 | 68.24 3.96 0.00 | 66.17 3.46 0.00 | 61.20 3.01 0.00 | 89.43 4.16 0.00 | 64.53 3.35 0.00 | 48.88 2.40 0.00 | 44.49 1.92 0.00 | 44.77 2.11 0.00 |
| KINTIGH____ 23543 | 40.76 -3.70 4.27 | 29.25 -2.89 4.92 | 25.84 -2.66 4.62 | 23.25 -2.51 4.52 | 26.20 -2.54 4.81 | 32.23 -2.47 3.56 | 37.36 -3.39 5.87 | 60.72 -6.87 9.21 | 72.78 -7.82 10.26 | 125.42 -12.32 14.05 | 95.03 -10.29 14.02 | 50.15 -5.82 8.39 | 46.30 -5.51 9.84 | 39.18 -5.05 11.95 | 42.82 -6.15 14.73 | 42.62 -6.69 20.00 | 41.80 -6.21 16.28 | 39.65 -5.78 17.28 | 36.19 -5.53 16.47 | 47.96 -7.96 29.35 | 46.11 -5.29 9.78 | 31.61 -3.80 11.07 | 33.19 -3.21 6.16 | 33.25 -3.32 6.09 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 50.09 1.37 0.00 | 37.77 0.71 0.00 | 33.68 0.56 0.00 | 30.47 0.19 0.00 | 33.58 0.02 0.00 | 38.15 -0.12 0.00 | 46.35 -0.27 0.00 | 76.16 -0.65 0.00 | 89.81 -1.05 0.00 | 70.04 -2.83 78.93 | -17.67 -1.80 135.21 | -20.87 -0.85 84.37 | 33.02 -1.05 27.59 | 55.44 -0.74 0.00 | 62.96 -0.74 0.00 | 68.74 -0.57 0.00 | 64.58 0.30 0.00 | 64.05 1.35 0.00 | 59.70 1.51 0.00 | 88.39 2.56 -0.56 | 61.36 0.18 0.00 | 45.56 -0.52 0.40 | -20.82 -0.76 62.62 | 5.07 -0.99 36.59 |
| LACHUTE__HYDRO 323717 | 53.72 5.00 0.00 | 40.76 3.70 0.00 | 36.38 3.26 0.00 | 33.21 2.93 0.00 | 36.66 3.11 0.00 | 41.60 3.33 0.00 | 50.49 3.87 0.00 | 83.73 6.92 0.00 | 99.92 9.06 0.00 | 165.90 14.10 0.00 | 129.82 10.48 0.00 | 70.00 5.64 0.00 | 67.13 5.47 0.00 | 61.34 5.16 0.00 | 69.47 5.77 0.00 | 75.54 6.24 0.00 | 69.67 5.39 0.00 | 68.57 5.86 0.00 | 63.82 5.63 0.00 | 93.56 8.29 0.00 | 66.45 5.28 0.00 | 50.05 3.57 0.00 | 46.25 3.69 0.00 | 46.62 3.97 0.00 |
| LAWRNCV_115KV_TB1 80681 | 48.89 0.16 0.00 | 37.11 0.05 0.00 | 33.05 -0.07 0.00 | 30.06 -0.21 0.00 | 33.37 -0.18 0.00 | 38.25 -0.02 0.00 | 46.69 0.07 0.00 | 76.76 -0.05 0.00 | 90.52 -0.33 0.00 | 162.75 -0.94 -11.89 | 138.86 -0.85 -20.37 | 76.32 -0.76 -12.71 | 64.91 -0.91 -4.16 | 55.17 -1.01 0.00 | 62.83 -0.87 0.00 | 68.61 -0.69 0.00 | 64.00 -0.29 0.00 | 62.40 -0.31 0.00 | 57.86 -0.33 0.00 | 86.18 -0.14 -1.05 | 60.63 -0.55 0.00 | 45.95 -0.59 -0.06 | 51.33 -0.67 -9.44 | 47.57 -0.60 -5.51 |
| LEDERLE____ 23769 | 50.39 1.67 0.00 | 38.27 1.21 0.00 | 34.27 1.15 0.00 | 31.35 1.08 0.00 | 34.74 1.19 0.00 | 39.64 1.37 0.00 | 48.59 1.97 0.00 | 80.74 3.93 0.00 | 95.32 4.46 0.00 | 159.52 7.73 0.00 | 125.54 6.20 0.00 | 67.79 3.43 0.00 | 64.99 3.33 0.00 | 59.43 3.25 0.00 | 67.55 3.85 0.00 | 73.48 4.18 0.00 | 68.07 3.78 0.00 | 66.09 3.38 0.00 | 61.16 2.97 0.00 | 89.51 4.24 0.00 | 64.35 3.17 0.00 | 48.75 2.27 0.00 | 44.41 1.85 0.00 | 44.36 1.71 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 47.66 -1.06 0.00 | 36.13 -0.93 0.00 | 32.26 -0.87 0.00 | 29.37 -0.91 0.00 | 32.63 -0.93 0.00 | 37.37 -0.90 0.00 | 45.77 -0.85 0.00 | 75.10 -1.71 0.00 | 88.84 -2.02 0.00 | 147.83 -3.96 0.00 | 115.91 -3.43 0.00 | 62.11 -2.25 0.00 | 59.33 -2.32 0.00 | 54.08 -2.09 0.00 | 61.63 -2.07 0.00 | 67.49 -1.82 0.00 | 62.90 -1.39 0.00 | 61.17 -1.54 0.00 | 56.71 -1.48 0.00 | 83.67 -1.72 -0.11 | 59.99 -1.19 0.00 | 45.66 -0.82 0.00 | 41.68 -0.89 0.00 | 41.62 -1.04 0.00 |
| LINDEN COGEN____ 23786 | 50.38 1.66 0.00 | 38.29 1.23 0.00 | 34.31 1.19 0.00 | 31.40 1.12 0.00 | 34.76 1.20 0.00 | 39.64 1.37 0.00 | 48.58 1.96 0.00 | 80.73 3.92 0.00 | 90.17 4.31 5.00 | 156.36 7.64 3.07 | 125.42 6.08 0.00 | 67.72 3.37 0.00 | 64.94 3.28 0.00 | 59.43 3.26 0.00 | 67.57 3.87 0.00 | 73.50 4.19 0.00 | 68.05 3.77 0.00 | 66.03 3.32 0.00 | 61.10 2.92 0.00 | 89.35 4.08 0.00 | 64.30 3.12 0.00 | 48.76 2.28 0.00 | 44.39 1.83 0.00 | 44.33 1.68 0.00 |
| LINDHRST_69_KV_BK1 356055 | 52.71 3.23 -0.75 | 59.98 2.48 -20.43 | 35.40 2.28 0.00 | 32.36 2.09 0.00 | 35.76 2.20 0.00 | 40.71 2.44 0.00 | 49.87 3.25 0.00 | 81.98 5.17 0.00 | 97.85 6.54 -0.45 | 370.99 12.72 -206.47 | 161.92 9.25 -33.33 | 69.31 4.95 0.00 | 66.52 4.77 -0.09 | 61.22 4.77 -0.27 | 71.85 5.62 -2.54 | 75.63 6.16 -0.16 | 71.63 5.53 -1.82 | 68.34 5.22 -0.42 | 62.58 4.39 0.00 | 91.50 6.02 -0.21 | 69.28 4.75 -3.35 | 54.18 3.70 -3.99 | 66.14 3.27 -20.31 | 87.08 3.07 -41.36 |
| LIPA_MISC_IPP 23656 | 52.44 2.96 -0.75 | 60.00 2.50 -20.43 | 35.42 2.30 0.00 | 32.40 2.13 0.00 | 35.75 2.19 0.00 | 40.62 2.35 0.00 | 49.69 3.07 0.00 | 80.53 3.72 0.00 | 96.13 4.81 -0.47 | 368.15 9.88 -206.47 | 159.66 6.99 -33.33 | 68.11 3.75 0.00 | 65.23 3.53 -0.04 | 59.93 3.65 -0.11 | 69.08 4.35 -1.03 | 74.20 4.83 -0.06 | 69.33 4.31 -0.74 | 67.02 4.15 -0.16 | 61.57 3.39 0.00 | 89.86 4.51 -0.08 | 66.26 3.73 -1.36 | 52.27 2.94 -2.85 | 65.13 2.89 -19.67 | 86.89 2.87 -41.36 |
| LISF__SOLAR 323691 | 52.52 3.03 -0.75 | 60.05 2.56 -20.43 | 35.47 2.35 0.00 | 32.45 2.18 0.00 | 35.78 2.23 0.00 | 40.68 2.42 0.00 | 49.78 3.16 0.00 | 80.63 3.82 0.00 | 96.27 4.95 -0.47 | 368.35 10.09 -206.47 | 159.88 7.20 -33.33 | 68.21 3.85 0.00 | 65.33 3.63 -0.04 | 60.04 3.75 -0.11 | 69.18 4.44 -1.04 | 74.27 4.90 -0.07 | 69.43 4.40 -0.75 | 67.16 4.28 -0.17 | 61.69 3.50 0.00 | 90.03 4.67 -0.08 | 66.37 3.82 -1.38 | 52.36 3.03 -2.86 | 65.22 2.98 -19.68 | 86.97 2.96 -41.36 |

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| LITTLE FALLS___HYD 24013 | 48.51 -0.22 0.00 | 36.80 -0.26 0.00 | 33.00 -0.13 0.00 | 30.26 -0.02 0.00 | 33.42 -0.13 0.00 | 38.10 -0.17 0.00 | 46.64 0.02 0.00 | 77.43 0.62 0.00 | 91.93 1.07 0.00 | 153.49 1.69 0.00 | 121.43 2.09 0.00 | 65.93 1.58 0.00 | 63.00 1.34 0.00 | 57.48 1.30 0.00 | 65.32 1.63 0.00 | 70.51 1.20 0.00 | 64.29 0.01 0.00 | 62.99 0.28 0.00 | 59.31 1.12 0.00 | 86.57 1.26 -0.03 | 62.31 1.13 0.00 | 47.26 0.78 0.00 | 43.10 0.54 0.00 | 43.15 0.50 0.00 |
| LITTLRIV_115KV_TB1 356100 | 49.66 0.94 0.00 | 37.71 0.65 0.00 | 33.57 0.45 0.00 | 30.55 0.27 0.00 | 33.93 0.38 0.00 | 38.93 0.66 0.00 | 47.63 1.01 0.00 | 78.29 1.48 0.00 | 92.33 1.47 0.00 | 166.64 2.01 -12.84 | 142.62 1.28 -22.00 | 78.22 0.13 -13.73 | 65.88 -0.27 -4.49 | 55.60 -0.57 0.00 | 63.62 -0.08 0.00 | 69.60 0.30 0.00 | 65.03 0.75 0.00 | 63.11 0.40 0.00 | 58.71 0.52 0.00 | 87.64 1.35 -1.01 | 61.70 0.53 0.00 | 46.73 0.19 -0.07 | 52.79 0.04 -10.19 | 48.68 0.07 -5.95 |
| LI_NEWBRDGE___DRP 323616 | 51.92 2.44 -0.75 | 59.37 1.87 -20.43 | 34.86 1.74 0.00 | 31.91 1.63 0.00 | 35.26 1.70 0.00 | 40.14 1.87 0.00 | 49.14 2.52 0.00 | 80.99 4.18 0.00 | 96.60 5.27 -0.47 | 368.90 10.63 -206.47 | 160.18 7.50 -33.33 | 68.36 4.01 0.00 | 65.53 3.87 0.00 | 60.06 3.89 0.00 | 68.28 4.58 0.00 | 74.28 4.98 0.00 | 68.77 4.48 0.00 | 66.91 4.20 0.00 | 61.72 3.53 0.00 | 90.07 4.80 0.00 | 64.98 3.80 0.00 | 51.56 2.98 -2.10 | 64.37 2.55 -19.25 | 86.40 2.39 -41.36 |
| LOCKPORT_115KV_TB60_63_64 80432 | 37.85 -4.46 6.41 | 26.25 -3.49 7.32 | 23.01 -3.24 6.88 | 20.44 -3.06 6.79 | 23.23 -3.10 7.23 | 29.92 -3.00 5.35 | 33.68 -4.14 8.80 | 55.01 -8.26 13.54 | 66.49 -9.42 14.95 | 116.25 -15.07 20.47 | 87.79 -12.42 19.13 | 45.58 -7.06 11.72 | 41.64 -6.73 13.29 | 34.62 -6.14 15.42 | 37.88 -7.44 18.38 | 37.69 -8.08 23.54 | 37.16 -7.45 19.67 | 34.87 -6.68 21.16 | 31.57 -6.38 20.23 | 42.16 -9.46 33.65 | 41.28 -6.31 13.59 | 27.56 -4.46 14.45 | 29.72 -3.90 8.94 | 29.72 -4.06 8.87 |
| LOCKPORT___CC1 323769 | 36.58 -4.47 7.68 | 24.87 -3.48 8.72 | 21.72 -3.20 8.19 | 19.13 -3.02 8.12 | 21.83 -3.07 8.65 | 28.83 -3.04 6.41 | 31.97 -4.13 10.52 | 52.46 -8.23 16.12 | 63.68 -9.40 17.78 | 112.66 -14.78 24.35 | 85.07 -12.39 21.89 | 43.83 -6.92 13.61 | 39.86 -6.65 15.14 | 32.98 -6.13 17.07 | 36.01 -7.29 20.40 | 35.98 -7.80 25.53 | 35.36 -7.32 21.60 | 33.08 -6.86 22.77 | 29.90 -6.45 21.83 | 40.10 -9.35 35.82 | 39.22 -6.14 15.82 | 25.81 -4.59 16.08 | 28.08 -3.88 10.61 | 28.06 -4.04 10.55 |
| LOCKPORT___CC2 323770 | 36.58 -4.47 7.68 | 24.87 -3.48 8.72 | 21.72 -3.20 8.19 | 19.13 -3.02 8.12 | 21.83 -3.07 8.65 | 28.83 -3.04 6.41 | 31.97 -4.13 10.52 | 52.46 -8.23 16.12 | 63.68 -9.40 17.78 | 112.66 -14.78 24.35 | 85.07 -12.39 21.89 | 43.83 -6.92 13.61 | 39.86 -6.65 15.14 | 32.98 -6.13 17.07 | 36.01 -7.29 20.40 | 35.98 -7.80 25.53 | 35.36 -7.32 21.60 | 33.08 -6.86 22.77 | 29.90 -6.45 21.83 | 40.10 -9.35 35.82 | 39.22 -6.14 15.82 | 25.81 -4.59 16.08 | 28.08 -3.88 10.61 | 28.06 -4.04 10.55 |
| LOCKPORT___CC3 323771 | 36.58 -4.47 7.68 | 24.87 -3.48 8.72 | 21.72 -3.20 8.19 | 19.13 -3.02 8.12 | 21.83 -3.07 8.65 | 28.83 -3.04 6.41 | 31.97 -4.13 10.52 | 52.46 -8.23 16.12 | 63.68 -9.40 17.78 | 112.66 -14.78 24.35 | 85.07 -12.39 21.89 | 43.83 -6.92 13.61 | 39.86 -6.65 15.14 | 32.98 -6.13 17.07 | 36.01 -7.29 20.40 | 35.98 -7.80 25.53 | 35.36 -7.32 21.60 | 33.08 -6.86 22.77 | 29.90 -6.45 21.83 | 40.10 -9.35 35.82 | 39.22 -6.14 15.82 | 25.81 -4.59 16.08 | 28.08 -3.88 10.61 | 28.06 -4.04 10.55 |
| LONG_LAKE_PHOENIX 24014 | 47.43 -1.29 0.00 | 36.12 -0.94 0.00 | 32.34 -0.78 0.00 | 29.59 -0.69 0.00 | 32.80 -0.75 0.00 | 37.41 -0.86 0.00 | 45.54 -1.08 0.00 | 74.93 -1.88 0.00 | 88.65 -2.20 0.00 | 147.83 -3.96 0.00 | 116.00 -3.34 0.00 | 62.41 -1.95 0.00 | 59.73 -1.93 0.00 | 54.37 -1.81 0.00 | 61.66 -2.04 0.00 | 67.13 -2.17 0.00 | 62.36 -1.93 0.00 | 60.88 -1.82 0.00 | 56.53 -1.66 0.00 | 83.04 -2.27 -0.03 | 59.67 -1.51 0.00 | 45.44 -1.04 0.00 | 41.68 -0.89 0.00 | 41.67 -0.98 0.00 |
| LOVETT___3 23632 | 50.19 1.47 0.00 | 38.13 1.07 0.00 | 34.15 1.03 0.00 | 31.25 0.97 0.00 | 34.62 1.07 0.00 | 39.48 1.21 0.00 | 48.33 1.71 0.00 | 80.28 3.47 0.00 | 94.75 3.89 0.00 | 158.59 6.80 0.00 | 124.75 5.41 0.00 | 67.38 3.02 0.00 | 64.59 2.93 0.00 | 59.06 2.88 0.00 | 67.14 3.44 0.00 | 73.05 3.74 0.00 | 67.65 3.37 0.00 | 65.70 2.99 0.00 | 60.84 2.65 0.00 | 89.01 3.74 0.00 | 64.00 2.83 0.00 | 48.49 2.02 0.00 | 44.20 1.64 0.00 | 44.17 1.51 0.00 |
| LOVETT___4 23642 | 50.19 1.47 0.00 | 38.13 1.07 0.00 | 34.15 1.03 0.00 | 31.25 0.97 0.00 | 34.62 1.07 0.00 | 39.48 1.21 0.00 | 48.33 1.71 0.00 | 80.28 3.47 0.00 | 94.75 3.89 0.00 | 158.59 6.80 0.00 | 124.75 5.41 0.00 | 67.38 3.02 0.00 | 64.59 2.93 0.00 | 59.06 2.88 0.00 | 67.14 3.44 0.00 | 73.05 3.74 0.00 | 67.65 3.37 0.00 | 65.70 2.99 0.00 | 60.84 2.65 0.00 | 89.01 3.74 0.00 | 64.00 2.83 0.00 | 48.49 2.02 0.00 | 44.20 1.64 0.00 | 44.17 1.51 0.00 |
| LOVETT___5 23593 | 50.19 1.47 0.00 | 38.13 1.07 0.00 | 34.15 1.03 0.00 | 31.25 0.97 0.00 | 34.62 1.07 0.00 | 39.48 1.21 0.00 | 48.33 1.71 0.00 | 80.28 3.47 0.00 | 94.75 3.89 0.00 | 158.59 6.80 0.00 | 124.75 5.41 0.00 | 67.38 3.02 0.00 | 64.59 2.93 0.00 | 59.06 2.88 0.00 | 67.14 3.44 0.00 | 73.05 3.74 0.00 | 67.65 3.37 0.00 | 65.70 2.99 0.00 | 60.84 2.65 0.00 | 89.01 3.74 0.00 | 64.00 2.83 0.00 | 48.49 2.02 0.00 | 44.20 1.64 0.00 | 44.17 1.51 0.00 |
| LOWER RAQUET___HYD 24057 | 48.73 0.01 0.00 | 36.98 -0.08 0.00 | 32.93 -0.19 0.00 | 29.94 -0.34 0.00 | 33.24 -0.31 0.00 | 38.11 -0.15 0.00 | 46.56 -0.06 0.00 | 76.49 -0.32 0.00 | 90.19 -0.66 0.00 | 163.97 -1.55 -13.73 | 141.45 -1.42 -23.53 | 77.95 -1.08 -14.68 | 65.21 -1.25 -4.80 | 54.85 -1.33 0.00 | 62.49 -1.21 0.00 | 68.30 -1.01 0.00 | 63.75 -0.54 0.00 | 62.12 -0.59 0.00 | 57.62 -0.57 0.00 | 85.79 -0.46 -0.98 | 60.37 -0.81 0.00 | 45.75 -0.80 -0.07 | 52.56 -0.90 -10.89 | 48.19 -0.83 -6.37 |
| LOWER___HUDSON 24059 | 50.14 1.41 0.00 | 38.21 1.15 0.00 | 34.20 1.09 0.00 | 31.32 1.04 0.00 | 34.62 1.07 0.00 | 39.36 1.09 0.00 | 48.03 1.41 0.00 | 79.58 2.77 0.00 | 94.23 3.37 0.00 | 157.11 5.32 0.00 | 123.96 4.62 0.00 | 66.90 2.54 0.00 | 64.13 2.47 0.00 | 58.53 2.36 0.00 | 66.48 2.78 0.00 | 72.17 2.86 0.00 | 66.74 2.46 0.00 | 65.07 2.36 0.00 | 60.45 2.27 0.00 | 88.36 3.09 0.00 | 63.39 2.21 0.00 | 48.07 1.59 0.00 | 44.03 1.47 0.00 | 44.26 1.61 0.00 |
| LOWVILLE_115KV_TB2 356335 | 48.41 -0.31 0.00 | 36.48 -0.58 0.00 | 32.44 -0.68 0.00 | 29.34 -0.94 0.00 | 32.68 -0.87 0.00 | 37.73 -0.54 0.00 | 46.39 -0.23 0.00 | 75.93 -0.88 0.00 | 89.79 -1.07 0.00 | 153.15 -2.63 -3.98 | 123.96 -2.21 -6.82 | 67.12 -1.50 -4.26 | 61.49 -1.56 -1.39 | 54.82 -1.36 0.00 | 62.68 -1.02 0.00 | 69.05 -0.25 0.00 | 64.76 0.48 0.00 | 62.93 0.22 0.00 | 57.89 -0.30 0.00 | 86.20 0.64 -0.28 | 61.39 0.21 0.00 | 46.53 0.04 -0.02 | 45.16 -0.56 -3.16 | 43.80 -0.70 -1.85 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 50.93 2.20 0.00 | 38.74 1.68 0.00 | 34.66 1.54 0.00 | 31.68 1.40 0.00 | 35.04 1.49 0.00 | 39.84 1.57 0.00 | 48.63 2.01 0.00 | 80.58 3.77 0.00 | 95.47 4.61 0.00 | 159.36 7.56 0.00 | 125.46 6.12 0.00 | 67.72 3.36 0.00 | 64.85 3.19 0.00 | 59.11 2.93 0.00 | 67.12 3.42 0.00 | 72.95 3.65 0.00 | 67.41 3.13 0.00 | 65.81 3.10 0.00 | 61.21 3.02 0.00 | 89.52 4.25 0.00 | 64.13 2.95 0.00 | 48.59 2.12 0.00 | 44.50 1.94 0.00 | 44.87 2.22 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 50.95 2.22 0.00 | 38.73 1.67 0.00 | 34.64 1.52 0.00 | 31.66 1.38 0.00 | 35.05 1.49 0.00 | 39.85 1.58 0.00 | 48.65 2.02 0.00 | 80.69 3.88 0.00 | 95.59 4.74 0.00 | 159.51 7.71 0.00 | 125.59 6.25 0.00 | 67.76 3.40 0.00 | 64.83 3.17 0.00 | 59.07 2.90 0.00 | 67.17 3.47 0.00 | 73.06 3.75 0.00 | 67.46 3.18 0.00 | 65.86 3.15 0.00 | 61.29 3.10 0.00 | 89.61 4.33 0.00 | 64.09 2.91 0.00 | 48.61 2.13 0.00 | 44.53 1.97 0.00 | 44.97 2.31 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 48.14 -0.59 0.00 | 36.42 -0.64 0.00 | 32.41 -0.71 0.00 | 29.39 -0.89 0.00 | 32.68 -0.87 0.00 | 37.60 -0.67 0.00 | 46.12 -0.50 0.00 | 75.65 -1.16 0.00 | 89.29 -1.57 0.00 | 157.80 -3.34 -9.34 | 132.52 -2.83 -16.01 | 72.36 -1.99 -9.99 | 62.83 -2.09 -3.27 | 54.22 -1.96 0.00 | 61.98 -1.72 0.00 | 68.04 -1.27 0.00 | 63.66 -0.63 0.00 | 61.86 -0.85 0.00 | 57.22 -0.97 0.00 | 85.23 -0.71 -0.66 | 60.33 -0.85 0.00 | 45.70 -0.82 -0.05 | 48.87 -1.11 -7.41 | 45.81 -1.17 -4.33 |
| LYONS_FALL_HYD 23570 | 48.83 0.11 0.00 | 36.92 -0.14 0.00 | 32.89 -0.23 0.00 | 29.87 -0.41 0.00 | 33.22 -0.33 0.00 | 38.20 -0.06 0.00 | 46.87 0.25 0.00 | 76.95 0.14 0.00 | 91.10 0.24 0.00 | 154.42 -0.06 -2.68 | 123.75 -0.19 -4.59 | 66.93 -0.29 -2.87 | 62.29 -0.31 -0.94 | 55.93 -0.24 0.00 | 63.65 -0.05 0.00 | 69.61 0.30 0.00 | 65.08 0.79 0.00 | 63.46 0.75 0.00 | 58.62 0.43 0.00 | 86.76 1.29 -0.19 | 61.93 0.75 0.00 | 46.96 0.46 -0.01 | 44.72 0.02 -2.13 | 43.81 -0.09 -1.24 |
| MADISON___COUNTY_LFGE 323628 | 49.35 0.62 0.00 | 37.46 0.40 0.00 | 33.45 0.33 0.00 | 30.56 0.28 0.00 | 33.92 0.37 0.00 | 38.85 0.58 0.00 | 47.54 0.92 0.00 | 78.37 1.56 0.00 | 92.90 2.04 0.00 | 155.27 3.48 0.00 | 121.83 2.49 0.00 | 65.63 1.27 0.00 | 63.00 1.34 0.00 | 57.32 1.15 0.00 | 64.62 0.92 0.00 | 69.95 0.65 0.00 | 65.22 0.93 0.00 | 64.06 1.36 0.00 | 59.53 1.34 0.00 | 87.49 2.15 -0.06 | 62.69 1.51 0.00 | 47.57 1.09 0.00 | 43.40 0.84 0.00 | 43.40 0.74 0.00 |
| MALONE___115KV_TB1 356076 | 49.81 1.09 0.00 | 37.69 0.63 0.00 | 33.54 0.42 0.00 | 30.46 0.18 0.00 | 33.73 0.18 0.00 | 38.48 0.21 0.00 | 46.89 0.27 0.00 | 77.23 0.42 0.00 | 91.08 0.22 0.00 | 204.10 -0.69 -52.99 | 209.42 -0.72 -90.80 | 120.47 -0.54 -56.66 | 79.56 -0.62 -18.53 | 55.63 -0.55 0.00 | 63.10 -0.60 0.00 | 69.05 -0.26 0.00 | 64.79 0.50 0.00 | 63.70 0.99 0.00 | 59.14 0.95 0.00 | 87.75 1.79 -0.68 | 61.29 0.11 0.00 | 46.40 -0.35 -0.27 | 83.98 -0.64 -42.05 | 66.61 -0.62 -24.57 |
| MAPLEWOD_115KV_TB3 80458 | 49.92 1.19 0.00 | 38.06 1.00 0.00 | 34.09 0.97 0.00 | 31.23 0.95 0.00 | 34.51 0.96 0.00 | 39.26 0.99 0.00 | 47.92 1.30 0.00 | 79.43 2.61 0.00 | 94.01 3.16 0.00 | 156.94 5.15 0.00 | 123.76 4.42 0.00 | 66.84 2.48 0.00 | 64.07 2.41 0.00 | 58.43 2.25 0.00 | 66.32 2.62 0.00 | 72.00 2.70 0.00 | 66.66 2.37 0.00 | 64.94 2.23 0.00 | 60.33 2.14 0.00 | 88.14 2.87 0.00 | 63.29 2.11 0.00 | 48.00 1.52 0.00 | 43.93 1.36 0.00 | 44.07 1.42 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 48.24 -0.49 0.00 | 36.55 -0.51 0.00 | 32.26 -0.87 0.00 | 29.37 -0.91 0.00 | 32.71 -0.84 0.00 | 37.30 -0.97 0.00 | 45.23 -1.39 0.00 | 74.44 -2.37 0.00 | 88.10 -2.76 0.00 | 147.12 -4.68 0.00 | 115.87 -3.47 0.00 | 62.63 -1.73 0.00 | 60.19 -1.47 0.00 | 54.83 -1.35 0.00 | 62.58 -1.12 0.00 | 68.50 -0.81 0.00 | 64.02 -0.26 0.00 | 62.06 -0.65 0.00 | 57.27 -0.92 0.00 | 84.05 -1.20 0.03 | 60.22 -0.96 0.00 | 45.47 -1.01 0.00 | 41.45 -1.11 0.00 | 41.82 -0.83 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 48.24 -0.49 0.00 | 36.55 -0.51 0.00 | 32.26 -0.87 0.00 | 29.37 -0.91 0.00 | 32.71 -0.84 0.00 | 37.30 -0.97 0.00 | 45.23 -1.39 0.00 | 74.44 -2.37 0.00 | 88.10 -2.76 0.00 | 147.12 -4.68 0.00 | 115.87 -3.47 0.00 | 62.63 -1.73 0.00 | 60.19 -1.47 0.00 | 54.83 -1.35 0.00 | 62.58 -1.12 0.00 | 68.50 -0.81 0.00 | 64.02 -0.26 0.00 | 62.06 -0.65 0.00 | 57.27 -0.92 0.00 | 84.05 -1.20 0.03 | 60.22 -0.96 0.00 | 45.47 -1.01 0.00 | 41.45 -1.11 0.00 | 41.82 -0.83 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 49.64 0.91 0.00 | 37.31 0.25 0.00 | 33.32 0.20 0.00 | 30.04 -0.24 0.00 | 33.02 -0.53 0.00 | 37.41 -0.86 0.00 | 45.30 -1.32 0.00 | 74.11 -2.70 0.00 | 87.61 -3.25 0.00 | 156.94 -6.22 78.22 | 123.76 -4.26 134.00 | 66.84 -1.75 83.61 | 64.07 -2.46 27.34 | 58.43 -1.76 0.00 | 61.98 -1.72 0.00 | 67.85 -1.45 0.00 | 63.85 -0.43 0.00 | 63.59 0.88 0.00 | 59.13 0.94 0.00 | 87.84 2.01 -0.55 | 60.33 -0.84 0.00 | 44.58 -1.50 0.40 | -21.00 -1.50 62.06 | 4.42 -1.96 36.27 |
| MARSHVLE_115KV_TB1 80742 | 50.73 2.01 0.00 | 38.53 1.46 0.00 | 34.36 1.24 0.00 | 31.31 1.03 0.00 | 34.82 1.27 0.00 | 39.91 1.64 0.00 | 48.85 2.23 0.00 | 80.61 3.80 0.00 | 95.34 4.48 0.00 | 159.52 7.72 0.00 | 124.97 5.63 0.00 | 67.19 2.83 0.00 | 64.17 2.51 0.00 | 58.27 2.10 0.00 | 65.90 2.20 0.00 | 71.18 1.88 0.00 | 65.61 1.33 0.00 | 64.48 1.77 0.00 | 60.80 2.61 0.00 | 89.54 4.26 0.00 | 64.30 3.12 0.00 | 48.74 2.27 0.00 | 44.44 1.88 0.00 | 44.33 1.68 0.00 |
| MARSH_HILL_WT_PWR 323713 | 70.52 -4.60 -26.40 | 61.48 -3.77 -28.20 | 56.00 -3.76 -26.64 | 54.96 -3.24 -27.93 | 59.91 -3.39 -29.75 | 56.29 -3.99 -22.01 | 78.07 -4.47 -35.92 | 123.08 -7.37 -53.64 | 142.29 -7.55 -58.98 | 219.44 -13.12 -80.77 | 147.94 -11.77 -40.37 | 89.13 -6.98 -31.75 | 77.20 -7.10 -22.64 | 53.48 -6.90 -4.21 | 88.75 -8.12 -33.17 | 99.61 -8.56 -38.86 | 93.18 -8.02 -36.92 | 50.78 -7.09 4.84 | 49.14 -6.47 2.57 | 106.60 -7.64 -28.97 | 98.60 -5.21 -42.63 | 53.26 -4.90 -11.68 | 72.48 -4.15 -34.07 | 73.13 -4.32 -34.80 |
| MCINTYRE_115KV_TB2 80467 | 50.22 1.49 0.00 | 38.15 1.09 0.00 | 33.98 0.86 0.00 | 30.93 0.65 0.00 | 34.36 0.80 0.00 | 39.42 1.16 0.00 | 48.23 1.61 0.00 | 79.38 2.57 0.00 | 93.60 2.75 0.00 | 167.36 4.16 -11.41 | 141.81 2.93 -19.54 | 77.52 0.96 -12.19 | 66.10 0.45 -3.99 | 56.31 0.14 0.00 | 64.36 0.67 0.00 | 70.33 1.02 0.00 | 65.79 1.50 0.00 | 63.64 0.93 0.00 | 59.35 1.16 0.00 | 88.77 2.43 -1.07 | 62.51 1.33 0.00 | 47.35 0.82 -0.06 | 52.26 0.64 -9.05 | 48.63 0.68 -5.29 |
| MECO_____69_KV_BK1 80468 | 51.44 2.72 0.00 | 39.07 2.01 0.00 | 34.88 1.75 0.00 | 31.83 1.55 0.00 | 35.37 1.81 0.00 | 40.51 2.24 0.00 | 49.63 3.01 0.00 | 82.18 5.37 0.00 | 97.26 6.41 0.00 | 162.64 10.84 0.00 | 127.59 8.25 0.00 | 68.66 4.30 0.00 | 65.51 3.85 0.00 | 59.50 3.33 0.00 | 67.29 3.59 0.00 | 72.75 3.44 0.00 | 66.31 2.03 0.00 | 65.28 2.57 0.00 | 61.86 3.67 0.00 | 91.32 6.04 0.00 | 65.52 4.34 0.00 | 49.61 3.13 0.00 | 45.21 2.64 0.00 | 45.14 2.49 0.00 |
| MENANDS___115KV_TB5 355628 | 49.70 0.97 0.00 | 37.90 0.84 0.00 | 33.95 0.83 0.00 | 31.11 0.83 0.00 | 34.37 0.82 0.00 | 39.10 0.83 0.00 | 47.70 1.08 0.00 | 79.04 2.23 0.00 | 93.53 2.68 0.00 | 156.08 4.29 0.00 | 123.11 3.76 0.00 | 66.48 2.12 0.00 | 63.71 2.05 0.00 | 58.15 1.97 0.00 | 66.00 2.30 0.00 | 71.66 2.36 0.00 | 66.35 2.06 0.00 | 64.62 1.91 0.00 | 60.01 1.82 0.00 | 87.64 2.37 0.00 | 62.94 1.76 0.00 | 47.75 1.27 0.00 | 43.71 1.14 0.00 | 43.87 1.22 0.00 |
| MG INDUSTRY___DRP 24185 | 49.79 1.06 0.00 | 37.93 0.87 0.00 | 33.97 0.84 0.00 | 31.12 0.84 0.00 | 34.41 0.85 0.00 | 39.16 0.89 0.00 | 47.77 1.15 0.00 | 79.06 2.25 0.00 | 93.51 2.65 0.00 | 156.13 4.34 0.00 | 122.93 3.59 0.00 | 66.38 2.02 0.00 | 63.59 1.93 0.00 | 57.97 1.79 0.00 | 65.75 2.05 0.00 | 71.46 2.15 0.00 | 66.17 1.89 0.00 | 64.46 1.75 0.00 | 59.87 1.68 0.00 | 87.57 2.30 0.00 | 62.88 1.70 0.00 | 47.73 1.25 0.00 | 43.70 1.14 0.00 | 43.82 1.17 0.00 |

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|--|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|---------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| MID___OSWEGATCHIE_HYD 23849 | 48.14 -0.59 0.00 | 36.42 -0.64 0.00 | 32.41 -0.71 0.00 | 29.39 -0.89 0.00 | 32.68 -0.87 0.00 | 37.60 -0.67 0.00 | 46.12 -0.50 0.00 | 75.65 -1.16 0.00 | 89.29 -1.57 0.00 | 157.80 -3.34 -9.34 | 132.52 -2.83 -16.01 | 72.36 -1.99 -9.99 | 62.83 -2.09 -3.27 | 54.22 -1.96 0.00 | 61.98 -1.72 0.00 | 68.04 -1.27 0.00 | 63.66 -0.63 0.00 | 61.86 -0.85 0.00 | 57.22 -0.97 0.00 | 85.23 -0.71 -0.66 | 60.33 -0.85 0.00 | 45.70 -0.82 -0.05 | 48.87 -1.11 -7.41 | 45.81 -1.17 -4.33 |
| MID___RAQUETTE_HYD 23851 | 48.73 0.01 0.00 | 36.98 -0.08 0.00 | 32.94 -0.19 0.00 | 29.94 -0.34 0.00 | 33.25 -0.31 0.00 | 38.12 -0.15 0.00 | 46.56 -0.06 0.00 | 76.49 -0.32 0.00 | 90.21 -0.64 0.00 | 163.97 -1.55 -13.73 | 141.50 -1.36 -23.53 | 77.95 -1.08 -14.68 | 65.22 -1.24 -4.80 | 54.85 -1.33 0.00 | 62.50 -1.20 0.00 | 68.30 -1.00 0.00 | 63.75 -0.54 0.00 | 62.12 -0.58 0.00 | 57.61 -0.58 0.00 | 85.78 -0.47 -0.98 | 60.37 -0.81 0.00 | 45.74 -0.80 -0.07 | 52.57 -0.89 -10.89 | 48.19 -0.83 -6.37 |
| MILLIKEN___1 23584 | 50.71 0.02 -1.97 | 40.09 -0.13 -3.16 | 35.95 -0.07 -2.89 | 32.33 -0.03 -2.08 | 35.81 0.04 -2.22 | 40.03 0.11 -1.64 | 49.58 0.25 -2.71 | 81.33 0.49 -4.02 | 96.20 0.86 -4.48 | 159.28 1.36 -6.13 | 140.10 0.59 -20.16 | 73.35 0.19 -8.80 | 76.60 0.07 -14.87 | 81.25 -0.24 -25.31 | 71.45 -0.87 -8.62 | 70.87 -0.68 -2.24 | 67.43 -0.61 -3.75 | 103.40 -0.12 -40.82 | 96.30 0.00 -38.11 | 100.51 0.45 -14.78 | 68.54 0.61 -6.75 | 71.98 0.49 -25.01 | 45.98 0.39 -3.03 | 45.45 0.24 -2.56 |
| MILLIKEN___2 23585 | 50.71 0.02 -1.97 | 40.09 -0.13 -3.16 | 35.95 -0.07 -2.89 | 32.33 -0.03 -2.08 | 35.81 0.04 -2.22 | 40.03 0.11 -1.64 | 49.58 0.25 -2.71 | 81.33 0.49 -4.02 | 96.20 0.86 -4.48 | 159.28 1.36 -6.13 | 140.10 0.59 -20.16 | 73.35 0.19 -8.80 | 76.60 0.07 -14.87 | 81.25 -0.24 -25.31 | 71.45 -0.87 -8.62 | 70.87 -0.68 -2.24 | 67.43 -0.61 -3.75 | 103.40 -0.12 -40.82 | 96.30 0.00 -38.11 | 100.51 0.45 -14.78 | 68.54 0.61 -6.75 | 71.98 0.49 -25.01 | 45.98 0.39 -3.03 | 45.45 0.24 -2.56 |
| MILLIKEN___DIESEL 23629 | 50.71 0.02 -1.97 | 40.09 -0.13 -3.16 | 35.95 -0.07 -2.89 | 32.33 -0.03 -2.08 | 35.81 0.04 -2.22 | 40.03 0.11 -1.64 | 49.58 0.25 -2.71 | 81.33 0.49 -4.02 | 96.20 0.86 -4.48 | 159.28 1.36 -6.13 | 140.10 0.59 -20.16 | 73.35 0.19 -8.80 | 76.60 0.07 -14.87 | 81.25 -0.24 -25.31 | 71.45 -0.87 -8.62 | 70.87 -0.68 -2.24 | 67.43 -0.61 -3.75 | 103.40 -0.12 -40.82 | 96.30 0.00 -38.11 | 100.51 0.45 -14.78 | 68.54 0.61 -6.75 | 71.98 0.49 -25.01 | 45.98 0.39 -3.03 | 45.45 0.24 -2.56 |
| MILLSEAT___LFGE 323607 | 40.34 -3.23 5.17 | 28.57 -2.56 5.93 | 25.18 -2.37 5.57 | 22.56 -2.26 5.46 | 25.53 -2.21 5.82 | 31.95 -2.01 4.31 | 36.77 -2.75 7.10 | 60.13 -5.70 10.98 | 72.05 -6.66 12.14 | 124.42 -10.74 16.63 | 93.77 -9.41 16.16 | 49.05 -5.53 9.78 | 44.81 -5.51 11.33 | 37.53 -5.11 13.54 | 41.06 -6.06 16.58 | 40.74 -6.42 22.15 | 40.21 -5.92 18.16 | 38.38 -5.16 19.17 | 35.28 -6.48 18.29 | 46.59 -4.13 32.21 | 45.66 -4.13 11.39 | 30.83 -3.11 12.54 | 32.65 -2.63 7.28 | 32.61 -2.83 7.21 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 50.39 1.66 0.00 | 38.29 1.23 0.00 | 34.30 1.18 0.00 | 31.39 1.11 0.00 | 34.75 1.20 0.00 | 39.62 1.35 0.00 | 48.52 1.90 0.00 | 80.59 3.78 0.00 | 95.18 4.32 0.00 | 159.37 7.58 0.00 | 125.32 5.98 0.00 | 67.67 3.32 0.00 | 64.88 3.22 0.00 | 59.33 3.16 0.00 | 67.43 3.72 0.00 | 73.33 4.03 0.00 | 67.93 3.64 0.00 | 65.97 3.26 0.00 | 61.09 2.90 0.00 | 89.36 4.08 0.00 | 64.25 3.07 0.00 | 48.71 2.23 0.00 | 44.40 1.84 0.00 | 44.34 1.69 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 50.44 1.72 0.00 | 38.33 1.27 0.00 | 34.34 1.22 0.00 | 31.42 1.14 0.00 | 34.80 1.24 0.00 | 39.67 1.40 0.00 | 48.60 1.99 0.00 | 80.71 3.90 0.00 | 95.34 4.48 0.00 | 159.65 7.86 0.00 | 125.51 6.17 0.00 | 67.79 3.43 0.00 | 65.00 3.34 0.00 | 59.42 3.25 0.00 | 67.52 3.82 0.00 | 73.46 4.15 0.00 | 68.04 3.75 0.00 | 66.07 3.36 0.00 | 61.19 3.00 0.00 | 89.51 4.24 0.00 | 64.35 3.18 0.00 | 48.77 2.29 0.00 | 44.45 1.89 0.00 | 44.39 1.74 0.00 |
| MODEL_CITY_ENERGY 24167 | 37.71 -4.87 6.14 | 26.25 -3.78 7.03 | 23.04 -3.48 6.60 | 20.50 -3.29 6.50 | 23.28 -3.35 6.92 | 29.80 -3.34 5.12 | 33.62 -4.57 8.43 | 54.78 -9.03 13.00 | 66.17 -10.33 14.36 | 115.90 -16.23 19.66 | 87.18 -13.49 18.67 | 45.49 -7.51 11.35 | 41.51 -7.18 12.97 | 34.40 -6.58 15.20 | 38.02 -7.84 17.83 | 38.12 -8.40 22.78 | 37.39 -7.86 19.03 | 34.32 -7.36 21.03 | 31.16 -6.94 20.09 | 42.27 -10.23 32.78 | 41.28 -6.77 13.12 | 27.17 -5.04 14.27 | 29.72 -4.26 8.59 | 29.73 -4.41 8.52 |
| MODERN_LFGE___ 323580 | 37.71 -4.87 6.14 | 26.25 -3.78 7.03 | 23.04 -3.48 6.60 | 20.50 -3.29 6.50 | 23.28 -3.35 6.92 | 29.80 -3.34 5.12 | 33.62 -4.57 8.43 | 54.78 -9.03 13.00 | 66.17 -10.33 14.36 | 115.90 -16.23 19.66 | 87.18 -13.49 18.67 | 45.49 -7.51 11.35 | 41.51 -7.18 12.97 | 34.40 -6.58 15.20 | 38.02 -7.84 17.83 | 38.12 -8.40 22.78 | 37.39 -7.86 19.03 | 34.32 -7.36 21.03 | 31.16 -6.94 20.09 | 42.27 -10.23 32.78 | 41.28 -6.77 13.12 | 27.17 -5.04 14.27 | 29.72 -4.26 8.59 | 29.73 -4.41 8.52 |
| MOHAWK_PAPER___DRP 24187 | 49.92 1.19 0.00 | 38.06 1.00 0.00 | 34.09 0.97 0.00 | 31.23 0.95 0.00 | 34.51 0.96 0.00 | 39.26 0.99 0.00 | 47.92 1.30 0.00 | 79.43 2.61 0.00 | 94.01 3.16 0.00 | 156.94 5.15 0.00 | 123.76 4.42 0.00 | 66.84 2.48 0.00 | 64.07 2.41 0.00 | 58.43 2.25 0.00 | 66.32 2.62 0.00 | 72.00 2.70 0.00 | 66.66 2.37 0.00 | 64.94 2.23 0.00 | 60.33 2.14 0.00 | 88.14 2.87 0.00 | 63.29 2.11 0.00 | 48.00 1.52 0.00 | 43.93 1.36 0.00 | 44.07 1.42 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 51.91 3.19 0.00 | 39.45 2.39 0.00 | 35.28 2.15 0.00 | 32.14 1.86 0.00 | 35.46 1.90 0.00 | 40.17 1.90 0.00 | 48.87 2.26 0.00 | 80.99 4.18 0.00 | 96.19 5.33 0.00 | 160.43 8.63 0.00 | 125.82 6.48 0.00 | 67.89 3.53 0.00 | 65.09 3.43 0.00 | 59.34 3.16 0.00 | 67.33 3.63 0.00 | 73.16 3.86 0.00 | 67.58 3.30 0.00 | 66.11 3.40 0.00 | 61.49 3.31 0.00 | 89.94 4.67 0.00 | 64.29 3.11 0.00 | 48.65 2.18 0.00 | 44.63 2.07 0.00 | 45.26 2.61 0.00 |
| MONGAUP___HYD 23641 | 50.59 1.87 0.00 | 38.51 1.45 0.00 | 34.38 1.26 0.00 | 31.46 1.18 0.00 | 34.87 1.32 0.00 | 39.80 1.53 0.00 | 48.39 1.77 0.00 | 79.48 2.67 0.00 | 95.03 4.17 0.00 | 158.98 7.19 0.00 | 125.04 5.69 0.00 | 67.86 3.51 0.00 | 65.01 3.36 0.00 | 59.31 3.13 0.00 | 67.28 3.58 0.00 | 73.17 3.87 0.00 | 67.72 3.43 0.00 | 65.92 3.21 0.00 | 60.99 2.80 0.00 | 89.39 4.11 0.00 | 64.27 3.10 0.00 | 48.97 2.50 0.00 | 44.64 2.07 0.00 | 44.56 1.91 0.00 |
| MONTAUK___DIESEL 23721 | 53.77 4.29 -0.75 | 61.02 3.52 -20.43 | 36.22 3.10 0.00 | 33.10 2.82 0.00 | 36.16 2.61 0.00 | 40.82 2.56 0.00 | 49.87 3.25 0.00 | 79.34 2.53 0.00 | 94.07 2.74 -0.47 | 364.44 6.18 -206.47 | 156.76 4.09 -33.33 | 66.65 2.29 0.00 | 63.80 2.11 -0.04 | 58.72 2.43 -0.11 | 67.74 3.01 -1.03 | 72.75 3.38 -0.06 | 68.03 3.01 -0.74 | 65.89 3.02 -0.16 | 60.66 2.47 0.00 | 88.92 3.56 -0.08 | 65.63 3.09 -1.36 | 51.25 1.93 -2.85 | 64.47 2.24 -19.67 | 86.72 2.71 -41.36 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 41.69 -4.82 2.22 | 30.16 -4.10 2.81 | 26.71 -3.79 2.61 | 24.49 -3.44 2.35 | 27.81 -3.24 2.50 | 33.74 -2.67 1.86 | 39.88 -3.60 3.14 | 66.52 -5.28 5.01 | 80.47 -4.84 5.55 | 136.68 -7.52 7.60 | 98.49 -8.91 11.93 | 52.09 -6.17 6.10 | 47.45 -5.68 8.53 | 38.48 -5.14 12.56 | 46.02 -6.62 11.06 | 48.12 -7.03 14.16 | 45.96 -6.89 11.44 | 36.37 -6.72 19.62 | 33.29 -6.42 18.48 | 52.51 -9.02 23.74 | 49.10 -5.73 6.35 | 30.39 -4.49 11.60 | 35.66 -3.47 3.43 | 35.64 -3.74 3.27 |

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|--|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| MORRIS_RIDGE___SOLAR 323848 | -9.78 -4.40 54.11 | -26.47 -3.54 59.99 | -26.71 -3.34 56.49 | -29.90 -2.92 57.25 | -30.50 -3.07 60.98 | -10.32 -3.48 45.12 | -30.95 -3.90 73.67 | -40.48 -6.62 110.67 | -37.71 -7.20 121.37 | -26.92 -12.51 166.20 | -14.67 -11.17 122.85 | -24.88 -6.24 83.00 | -27.36 -6.08 82.95 | -27.28 -5.74 77.71 | -38.69 -6.78 95.61 | -38.70 -7.17 100.84 | -36.64 -6.96 93.97 | -26.10 -6.71 82.10 | -28.39 -6.13 80.45 | -41.22 -7.66 118.83 | -41.59 -5.20 97.58 | -33.49 -4.33 75.64 | -32.91 -3.78 71.70 | -33.40 -3.96 72.09 |
| MORTIMER_115KV_TB3 55949 | 46.43 -2.30 0.00 | 35.06 -1.81 0.19 | 31.30 -1.66 0.16 | 28.71 -1.57 0.00 | 32.00 -1.55 0.00 | 36.84 -1.43 0.00 | 44.68 -1.95 0.00 | 70.90 -4.16 1.75 | 83.16 -4.81 2.89 | 140.09 -7.74 3.96 | 106.36 -6.60 6.38 | 57.11 -3.87 3.38 | 53.02 -3.77 4.86 | 45.33 -3.50 7.34 | 48.74 -4.31 10.65 | 47.11 -4.64 17.56 | 46.89 -4.22 13.17 | 46.37 -3.73 12.61 | 42.82 -3.48 11.90 | 53.01 -4.83 27.44 | 53.95 -3.12 4.12 | 38.02 -2.23 6.22 | 38.86 -1.88 1.83 | 38.88 -2.03 1.74 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 50.75 2.02 0.00 | 38.56 1.50 0.00 | 34.56 1.44 0.00 | 31.62 1.35 0.00 | 35.01 1.46 0.00 | 39.91 1.64 0.00 | 48.93 2.31 0.00 | 81.26 4.45 0.00 | 95.94 5.08 0.00 | 160.69 8.90 0.00 | 126.30 6.96 0.00 | 68.24 3.88 0.00 | 65.41 3.75 0.00 | 59.83 3.65 0.00 | 68.02 4.31 0.00 | 73.98 4.67 0.00 | 68.50 4.21 0.00 | 66.50 3.79 0.00 | 61.53 3.34 0.00 | 89.95 4.68 0.00 | 64.75 3.57 0.00 | 49.09 2.61 0.00 | 44.72 2.15 0.00 | 44.64 1.99 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 51.55 1.37 -1.46 | 39.27 0.11 -2.10 | 35.19 0.12 -1.94 | 32.00 0.18 -1.54 | 35.18 -0.02 -1.64 | 39.61 0.12 -1.22 | 49.25 0.60 -2.03 | 81.10 1.30 -2.99 | 96.11 2.08 -3.17 | 160.08 3.95 -4.35 | 134.07 3.39 -11.34 | 71.65 1.85 -5.44 | 72.07 1.51 -8.90 | 72.67 1.67 -14.82 | 70.53 1.83 -5.00 | 71.99 1.76 -0.92 | 68.20 2.02 -1.90 | 85.93 2.52 -20.71 | 79.30 1.75 -19.36 | 96.35 4.36 -6.72 | 70.14 4.87 -4.10 | 63.14 3.62 -13.04 | 47.07 2.40 -2.11 | 46.69 2.16 -1.88 |
| N SALMON___HYD 24042 | 49.81 1.08 0.00 | 37.69 0.63 0.00 | 33.55 0.42 0.00 | 30.46 0.18 0.00 | 33.73 0.18 0.00 | 38.48 0.21 0.00 | 46.89 0.27 0.00 | 77.23 0.42 0.00 | 91.08 0.22 0.00 | 204.10 -0.69 -52.99 | 209.39 -0.75 -90.80 | 120.47 -0.55 -56.66 | 79.56 -0.63 -18.53 | 55.62 -0.55 0.00 | 63.10 -0.61 0.00 | 69.05 -0.26 0.00 | 64.78 0.49 0.00 | 63.70 0.99 0.00 | 59.14 0.95 0.00 | 87.75 1.79 -0.68 | 61.29 0.11 0.00 | 46.40 -0.35 -0.27 | 83.97 -0.65 -42.05 | 66.60 -0.62 -24.57 |
| N.AKRON__115KV_KNAPP 355671 | 39.82 -3.36 5.56 | 28.02 -2.67 6.37 | 24.65 -2.49 5.98 | 22.04 -2.36 5.88 | 24.98 -2.32 6.26 | 31.54 -2.09 4.64 | 36.09 -2.90 7.63 | 59.00 -6.04 11.78 | 70.89 -6.95 13.02 | 122.60 -11.36 17.83 | 92.53 -9.72 17.09 | 48.25 -5.72 10.39 | 44.08 -5.63 11.95 | 36.88 -5.18 14.13 | 40.29 -6.27 17.14 | 40.00 -6.72 22.58 | 39.56 -6.09 18.63 | 37.73 -5.19 19.79 | 34.49 -4.80 18.90 | 45.70 -6.92 32.66 | 44.55 -4.55 12.07 | 30.15 -3.20 13.14 | 31.97 -2.80 7.80 | 31.93 -2.99 7.73 |
| N.BELMOR_69_KV_BK1 55787 | 52.31 2.83 -0.76 | 59.64 2.14 -20.43 | 35.09 1.97 0.00 | 32.10 1.82 0.00 | 35.47 1.92 0.00 | 40.40 2.13 0.00 | 49.45 2.83 0.00 | 81.60 4.79 0.00 | 97.16 5.87 -0.43 | 369.49 11.22 -206.47 | 160.93 8.26 -33.33 | 68.92 4.56 0.00 | 66.27 4.39 -0.22 | 61.25 4.43 -0.64 | 74.75 5.22 -5.83 | 75.36 5.68 -0.37 | 73.51 5.05 -4.18 | 68.39 4.70 -0.98 | 62.22 4.03 0.00 | 91.44 5.70 -0.47 | 73.17 4.28 -7.71 | 56.40 3.39 -6.54 | 67.23 2.93 -21.74 | 86.78 2.77 -41.36 |
| N.E_GEN_SANDY PD 24062 | 50.23 1.50 0.00 | 38.27 1.21 0.00 | 34.29 1.17 0.00 | 31.43 1.15 0.00 | 34.75 1.19 0.00 | 39.48 1.21 0.00 | 48.23 1.61 0.00 | 77.64 3.15 2.33 | 97.18 3.73 -2.60 | 157.68 5.90 0.02 | 112.03 5.05 12.36 | 67.18 2.82 0.00 | 64.41 2.75 0.00 | 58.85 2.67 0.00 | 66.85 3.15 0.00 | 72.60 3.29 0.00 | 67.21 2.93 0.00 | 65.45 2.74 0.00 | 60.73 2.54 0.00 | 88.70 3.42 0.00 | 63.68 2.50 0.00 | 48.27 1.79 0.00 | 44.18 1.62 0.00 | 44.32 1.67 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 50.25 1.52 0.00 | 38.16 1.10 0.00 | 34.18 1.06 0.00 | 31.28 1.00 0.00 | 34.65 1.10 0.00 | 39.52 1.25 0.00 | 48.40 1.79 0.00 | 80.41 3.60 0.00 | 94.89 4.03 0.00 | 158.85 7.05 0.00 | 124.98 5.64 0.00 | 67.48 3.12 0.00 | 64.70 3.04 0.00 | 59.16 2.99 0.00 | 67.25 3.55 0.00 | 73.16 3.86 0.00 | 67.78 3.49 0.00 | 65.80 3.09 0.00 | 60.93 2.74 0.00 | 89.17 3.90 0.00 | 64.10 2.92 0.00 | 48.57 2.09 0.00 | 44.25 1.69 0.00 | 44.22 1.57 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 50.65 1.93 0.00 | 38.54 1.48 0.00 | 34.58 1.45 0.00 | 31.59 1.30 -0.01 | 34.97 1.42 0.00 | 39.89 1.62 0.00 | 48.90 2.27 0.00 | 81.38 4.56 -0.01 | 96.17 5.29 -0.02 | 161.06 9.27 0.00 | 126.44 7.10 0.00 | 68.39 4.03 0.00 | 65.49 3.83 -0.01 | 59.93 3.75 -0.01 | 68.14 4.43 -0.01 | 74.07 4.77 0.00 | 68.60 4.32 0.00 | 66.57 3.86 0.00 | 61.61 3.43 0.00 | 90.08 4.81 0.00 | 64.87 3.68 0.00 | 49.21 2.72 -0.01 | 44.81 2.25 0.00 | 44.67 2.01 -0.01 |
| N.TROY___115KV_TB1 355778 | 50.14 1.42 0.00 | 38.21 1.15 0.00 | 34.21 1.10 0.00 | 31.32 1.04 0.00 | 34.62 1.07 0.00 | 39.36 1.09 0.00 | 48.03 1.41 0.00 | 79.60 2.79 0.00 | 94.23 3.38 0.00 | 157.11 5.32 0.00 | 123.94 4.60 0.00 | 66.91 2.55 0.00 | 64.14 2.48 0.00 | 58.54 2.36 0.00 | 66.48 2.78 0.00 | 72.18 2.87 0.00 | 66.76 2.47 0.00 | 65.07 2.36 0.00 | 60.45 2.27 0.00 | 88.37 3.10 0.00 | 63.41 2.23 0.00 | 48.06 1.59 0.00 | 44.03 1.47 0.00 | 44.26 1.61 0.00 |
| NARROWS_GT1_1 24228 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT1_2 24229 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT1_3 24230 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT1_4 24231 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |

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|---|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| NARROWS_GT1_5 24232 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT1_6 24233 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT1_7 24234 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT1_8 24235 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_1 24236 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_2 24237 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_3 24238 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_4 24239 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_5 24240 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_6 24241 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_7 24242 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NARROWS_GT2_8 24243 | 57.08 2.51 -5.84 | 56.28 1.89 -17.33 | 55.72 1.79 -20.81 | 54.98 1.68 -23.02 | 55.74 1.82 -20.37 | 56.40 2.07 -16.07 | 57.24 2.82 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.30 10.30 -2.21 | 134.22 8.11 -6.76 | 97.59 4.48 -28.76 | 97.59 4.35 -31.58 | 97.59 4.22 -37.19 | 97.63 4.93 -29.00 | 99.62 5.26 -25.05 | 98.74 4.85 -29.60 | 97.70 4.36 -30.63 | 97.79 3.91 -35.69 | 102.08 5.53 -11.27 | 97.81 4.19 -32.44 | 97.66 3.12 -48.06 | 77.86 2.59 -32.70 | 57.51 2.46 -12.40 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 50.77 2.04 0.00 | 38.67 1.61 0.00 | 34.61 1.49 0.00 | 31.72 1.45 0.00 | 35.08 1.52 0.00 | 39.97 1.70 0.00 | 48.88 2.26 0.00 | 81.07 4.25 0.00 | 96.09 5.23 0.00 | 160.37 8.57 0.00 | 126.41 7.07 0.00 | 68.24 3.88 0.00 | 65.31 3.65 0.00 | 59.44 3.27 0.00 | 67.30 3.60 0.00 | 73.14 3.84 0.00 | 67.77 3.49 0.00 | 65.88 3.17 0.00 | 61.42 3.23 0.00 | 89.96 4.69 0.00 | 64.54 3.36 0.00 | 48.89 2.41 0.00 | 44.68 2.12 0.00 | 44.75 2.09 0.00 |
| NCHELSEA_115KV_TR2 355582 | 50.74 2.02 0.00 | 38.56 1.50 0.00 | 34.51 1.39 0.00 | 31.59 1.31 0.00 | 34.98 1.43 0.00 | 39.90 1.63 0.00 | 48.90 2.27 0.00 | 81.28 4.47 0.00 | 96.03 5.18 0.00 | 160.73 8.94 0.00 | 126.40 7.06 0.00 | 68.27 3.91 0.00 | 65.44 3.78 0.00 | 59.80 3.62 0.00 | 67.91 4.21 0.00 | 73.86 4.55 0.00 | 68.39 4.10 0.00 | 66.48 3.78 0.00 | 61.63 3.44 0.00 | 90.18 4.90 0.00 | 64.81 3.64 0.00 | 49.09 2.62 0.00 | 44.75 2.19 0.00 | 44.67 2.01 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 50.94 2.22 0.00 | 38.77 1.71 0.00 | 34.69 1.57 0.00 | 31.72 1.44 0.00 | 35.09 1.53 0.00 | 39.90 1.63 0.00 | 48.73 2.11 0.00 | 80.75 3.94 0.00 | 95.69 4.83 0.00 | 159.67 7.87 0.00 | 125.79 6.44 0.00 | 67.89 3.53 0.00 | 65.05 3.39 0.00 | 59.28 3.10 0.00 | 67.31 3.61 0.00 | 73.12 3.82 0.00 | 67.59 3.31 0.00 | 66.01 3.30 0.00 | 61.36 3.17 0.00 | 89.74 4.46 0.00 | 64.30 3.12 0.00 | 48.73 2.25 0.00 | 44.60 2.04 0.00 | 44.88 2.23 0.00 |

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| NEG CENTRAL_HIGH_ACRES 23767 | 46.06 -2.67 0.00 | 34.88 -2.04 0.14 | 31.15 -1.86 0.12 | 28.56 -1.72 0.00 | 31.82 -1.73 0.00 | 36.54 -1.73 0.00 | 44.43 -2.19 0.00 | 72.68 -4.13 0.00 | 86.26 -4.60 0.00 | 144.22 -7.57 0.00 | 110.23 -6.53 2.58 | 59.45 -3.81 1.10 | 55.63 -3.78 2.26 | 48.30 -3.59 4.28 | 59.89 -4.32 -0.52 | 68.31 -4.54 -3.54 | 62.40 -4.19 -2.31 | 54.21 -3.77 4.73 | 50.38 -3.42 4.39 | 83.95 -4.74 -3.41 | 57.87 -3.09 0.22 | 40.98 -2.29 3.21 | 40.49 -2.01 0.07 | 40.49 -2.16 0.00 |
| NEG CENTRAL___DRP 24199 | 50.07 -1.12 -2.47 | 38.64 -0.91 -2.50 | 34.69 -0.80 -2.37 | 32.20 -0.69 -2.61 | 35.67 -0.66 -2.78 | 39.67 -0.66 -2.06 | 49.26 -0.72 -3.36 | 80.54 -1.26 -4.99 | 95.17 -1.24 -5.56 | 157.13 -2.27 -7.61 | 118.11 -2.49 -1.26 | 64.60 -1.60 -1.85 | 59.67 -1.76 0.22 | 50.34 -1.76 4.07 | 63.97 -2.32 -2.59 | 72.04 -2.25 -4.98 | 66.25 -2.23 -4.20 | 55.19 -1.91 5.61 | 51.65 -1.51 5.04 | 86.33 -1.87 -2.93 | 63.61 -1.13 -3.55 | 43.53 -0.83 2.12 | 44.94 -0.69 -3.07 | 44.99 -0.87 -3.21 |
| NEG CENTRAL___INDECK 23768 | 73.36 -1.88 -26.51 | 64.14 -1.56 -28.64 | 58.62 -1.54 -27.03 | 56.94 -1.39 -28.05 | 62.13 -1.30 -29.88 | 59.16 -1.21 -22.10 | 81.43 -1.24 -36.05 | 128.00 -2.58 -53.77 | 146.82 -3.03 -58.98 | 225.86 -6.71 -80.77 | 158.57 -6.59 -45.82 | 94.45 -3.92 -34.01 | 84.90 -4.06 -27.30 | 65.40 -3.82 -13.05 | 92.86 -4.75 -33.91 | 99.66 -5.16 -35.52 | 94.55 -4.78 -35.05 | 65.34 -4.19 -6.81 | 63.09 -3.35 -8.25 | 110.26 -3.15 -28.14 | 102.96 -1.81 -43.59 | 63.79 -1.64 -18.95 | 75.51 -1.37 -34.32 | 75.87 -1.67 -34.89 |
| NEG CENTRAL___SENECA 23627 | 51.29 -1.36 -3.92 | 39.86 -1.11 -3.90 | 35.81 -1.03 -3.71 | 33.55 -0.88 -4.15 | 37.14 -0.84 -4.42 | 40.74 -0.80 -3.27 | 51.12 -0.85 -5.35 | 83.23 -1.53 -7.95 | 98.27 -1.44 -8.84 | 161.18 -2.72 -12.11 | 117.30 -3.00 -0.96 | 64.97 -1.95 -2.57 | 58.37 -2.17 1.12 | 46.14 -2.09 7.95 | 64.75 -2.81 -3.85 | 74.69 -2.81 -8.19 | 68.31 -2.73 -6.76 | 48.86 -2.37 11.48 | 45.96 -1.85 10.38 | 87.16 -2.25 -4.14 | 65.22 -1.41 -5.45 | 40.51 -1.08 4.89 | 46.51 -0.92 -4.87 | 46.66 -1.11 -5.12 |
| NEG CENTRAL___STATE_STREET 24147 | 48.32 -0.40 0.00 | 36.75 -0.43 -0.12 | 32.96 -0.27 -0.10 | 30.05 -0.23 0.00 | 33.40 -0.15 0.00 | 38.14 -0.13 0.00 | 46.38 -0.24 0.00 | 76.46 -0.35 0.00 | 90.67 -0.19 0.00 | 151.32 -0.48 0.00 | 120.21 -0.85 -1.72 | 64.22 -0.67 -0.53 | 62.01 -0.74 -1.09 | 57.24 -1.01 -2.07 | 62.82 -1.41 -0.53 | 68.25 -1.06 0.00 | 63.17 -1.28 -0.17 | 66.48 -0.87 -4.63 | 61.89 -0.61 -4.31 | 86.17 -0.65 -1.55 | 61.39 -0.20 -0.41 | 49.10 -0.08 -2.70 | 42.57 -0.05 -0.06 | 42.47 -0.18 0.00 |
| NEG MILLWOOD___DRP 24198 | 50.91 2.19 0.00 | 38.68 1.62 0.00 | 34.63 1.52 0.00 | 31.70 1.42 0.00 | 35.11 1.56 0.00 | 40.05 1.78 0.00 | 49.11 2.49 0.00 | 81.62 4.81 0.00 | 96.48 5.63 0.00 | 161.55 9.76 0.00 | 127.03 7.69 0.00 | 68.59 4.23 0.00 | 65.74 4.08 0.00 | 60.07 3.90 0.00 | 68.24 4.55 0.00 | 74.24 4.93 0.00 | 68.75 4.47 0.00 | 66.80 4.09 0.00 | 61.91 3.73 0.00 | 90.57 5.30 0.00 | 65.11 3.93 0.00 | 49.32 2.84 0.00 | 44.93 2.37 0.00 | 44.82 2.17 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 49.88 1.16 0.00 | 37.59 0.53 0.00 | 33.53 0.41 0.00 | 30.29 0.01 0.00 | 33.32 -0.24 0.00 | 37.83 -0.44 0.00 | 45.91 -0.71 0.00 | 75.39 -1.42 0.00 | 88.87 -1.99 0.00 | 69.18 -4.39 78.23 | -17.64 -2.96 134.02 | -20.62 -1.35 83.63 | 32.74 -1.58 27.35 | 55.07 -1.10 0.00 | 62.53 -1.17 0.00 | 68.33 -0.98 0.00 | 64.19 -0.10 0.00 | 63.73 1.02 0.00 | 59.31 1.12 0.00 | 87.65 1.83 -0.55 | 60.88 -0.30 0.00 | 45.18 -0.90 0.40 | -20.60 -1.10 62.07 | 5.02 -1.36 36.27 |
| NEG NORTH_KES_CHATEGAY 23792 | 49.56 0.83 0.00 | 37.44 0.38 0.00 | 33.34 0.22 0.00 | 30.26 -0.01 0.00 | 33.44 -0.11 0.00 | 38.04 -0.23 0.00 | 46.24 -0.38 0.00 | 76.12 -0.69 0.00 | 89.69 -1.17 0.00 | 65.99 -3.18 82.62 | -24.83 -2.64 141.54 | -25.37 -1.41 88.32 | 31.31 -1.47 28.88 | 55.00 -1.18 0.00 | 62.50 -1.21 0.00 | 68.30 -1.01 0.00 | 64.08 -0.21 0.00 | 63.29 0.58 0.00 | 58.88 0.69 0.00 | 87.16 1.30 -0.58 | 60.72 -0.46 0.00 | 45.19 -0.87 0.42 | -24.17 -1.18 65.55 | 3.26 -1.09 38.31 |
| NEG NORTH___ALICE_FALLS 23915 | 50.09 1.37 0.00 | 37.77 0.71 0.00 | 33.68 0.56 0.00 | 30.47 0.19 0.00 | 33.58 0.02 0.00 | 38.15 -0.12 0.00 | 46.35 -0.27 0.00 | 76.16 -0.65 0.00 | 89.81 -1.05 0.00 | 70.04 -2.83 78.93 | -17.67 -1.80 135.21 | -20.87 -0.85 84.37 | 33.02 -1.05 27.59 | 55.44 -0.74 0.00 | 62.96 -0.74 0.00 | 68.74 -0.57 0.00 | 64.58 0.30 0.00 | 64.05 1.35 0.00 | 59.70 1.51 0.00 | 88.39 2.56 -0.56 | 61.36 0.18 0.00 | 45.56 -0.52 0.40 | -20.82 -0.76 62.62 | 5.07 -0.99 36.59 |
| NEG NORTH___LWR_SARANAC 23913 | 50.09 1.37 0.00 | 37.77 0.71 0.00 | 33.68 0.56 0.00 | 30.47 0.19 0.00 | 33.58 0.02 0.00 | 38.15 -0.12 0.00 | 46.35 -0.27 0.00 | 76.16 -0.65 0.00 | 89.81 -1.05 0.00 | 70.04 -2.83 78.93 | -17.67 -1.80 135.21 | -20.87 -0.85 84.37 | 33.02 -1.05 27.59 | 55.44 -0.74 0.00 | 62.96 -0.74 0.00 | 68.74 -0.57 0.00 | 64.58 0.30 0.00 | 64.05 1.35 0.00 | 59.70 1.51 0.00 | 88.39 2.56 -0.56 | 61.36 0.18 0.00 | 45.56 -0.52 0.40 | -20.82 -0.76 62.62 | 5.07 -0.99 36.59 |
| NEG NORTH___PLATTSBURG 23628 | 50.09 1.37 0.00 | 37.77 0.71 0.00 | 33.68 0.56 0.00 | 30.47 0.19 0.00 | 33.58 0.02 0.00 | 38.15 -0.12 0.00 | 46.35 -0.27 0.00 | 76.16 -0.65 0.00 | 89.79 -1.07 0.00 | 70.03 -2.83 78.93 | -17.75 -1.88 135.21 | -20.91 -0.89 84.37 | 33.02 -1.05 27.59 | 55.44 -0.74 0.00 | 62.96 -0.74 0.00 | 68.74 -0.57 0.00 | 64.58 0.30 0.00 | 64.06 1.35 0.00 | 59.70 1.51 0.00 | 88.39 2.56 -0.56 | 61.36 0.19 0.00 | 45.56 -0.52 0.40 | -20.85 -0.79 62.62 | 5.06 -1.00 36.59 |
| NEG WEST_LEA_LOCKPORT 23791 | 36.55 -4.50 7.68 | 24.82 -3.52 8.72 | 21.67 -3.26 8.19 | 19.09 -3.06 8.12 | 21.79 -3.11 8.65 | 28.82 -3.04 6.41 | 31.93 -4.17 10.52 | 52.36 -8.33 16.12 | 63.61 -9.47 17.78 | 112.27 -15.18 24.35 | 84.95 -12.50 21.89 | 43.68 -7.06 13.61 | 39.78 -6.73 15.14 | 32.96 -6.15 17.07 | 35.85 -7.45 20.40 | 35.70 -8.08 25.53 | 35.21 -7.47 21.60 | 33.15 -6.79 22.77 | 29.88 -6.49 21.83 | 39.94 -9.51 35.82 | 39.01 -6.35 15.82 | 25.87 -4.53 16.08 | 28.01 -3.95 10.61 | 28.00 -4.09 10.55 |
| NEG WEST___LANCASTER 23811 | 42.32 -2.93 3.47 | 30.43 -2.47 4.16 | 26.96 -2.27 3.89 | 24.46 -2.15 3.67 | 27.54 -2.11 3.91 | 33.40 -1.98 2.90 | 39.15 -2.63 4.84 | 63.94 -5.31 7.57 | 76.81 -5.69 8.36 | 131.61 -8.73 11.45 | 97.40 -7.74 14.20 | 52.07 -4.54 7.75 | 47.57 -4.20 9.89 | 39.16 -3.74 13.28 | 45.77 -4.92 13.01 | 47.55 -5.22 16.54 | 45.60 -5.08 13.60 | 37.94 -4.52 20.25 | 34.62 -4.41 19.16 | 52.24 -6.90 26.13 | 48.07 -4.62 8.49 | 30.73 -3.14 12.60 | 34.74 -2.76 5.07 | 34.80 -2.92 4.94 |
| NEG_PENN_ALLEGHNY 23528 | 47.97 -0.76 0.00 | 36.17 -0.74 0.16 | 32.32 -0.67 0.13 | 29.72 -0.55 0.00 | 33.01 -0.54 0.00 | 37.73 -0.54 0.00 | 46.14 -0.48 0.00 | 76.08 -0.73 0.00 | 90.04 -0.81 0.00 | 150.50 -1.30 0.00 | 116.11 -1.64 1.59 | 63.42 -0.94 0.00 | 60.75 -0.91 0.00 | 55.23 -0.95 0.00 | 61.48 -1.22 1.01 | 65.99 -1.05 2.27 | 61.31 -1.12 1.86 | 54.83 -1.16 6.72 | 50.87 -1.06 6.26 | 78.56 -1.26 5.45 | 59.74 -0.72 0.72 | 42.24 -0.59 3.66 | 42.04 -0.44 0.08 | 42.08 -0.57 0.00 |
| NEG___GEN_MONROE 24207 | 45.28 -2.17 1.27 | 33.75 -1.72 1.59 | 30.05 -1.59 1.48 | 27.43 -1.50 1.35 | 30.65 -1.47 1.43 | 35.93 -1.28 1.06 | 43.11 -1.74 1.77 | 69.96 -3.86 2.98 | 82.93 -4.55 3.39 | 139.79 -7.37 4.63 | 106.02 -6.42 6.90 | 56.75 -3.89 3.72 | 52.57 -3.87 5.21 | 44.95 -3.56 7.67 | 48.28 -4.46 10.97 | 46.67 -4.84 17.80 | 46.49 -4.36 13.44 | 46.08 -3.66 12.96 | 42.67 -3.29 12.24 | 53.10 -4.48 27.69 | 53.83 -2.85 4.50 | 37.89 -2.03 6.56 | 38.73 -1.72 2.12 | 38.73 -1.89 2.03 |

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| NEPA__ENERGY 23901 | 41.95 -3.41 3.36 | 29.94 -3.08 4.05 | 26.49 -2.85 3.78 | 24.21 -2.51 3.55 | 27.34 -2.43 3.79 | 33.20 -2.26 2.81 | 39.07 -2.85 4.70 | 64.69 -4.76 7.36 | 78.18 -4.56 8.12 | 133.33 -7.34 11.13 | 97.45 -7.82 14.07 | 51.99 -4.76 7.61 | 47.41 -4.46 9.78 | 38.87 -4.06 13.24 | 45.90 -5.05 12.75 | 47.97 -5.22 16.11 | 45.62 -5.41 13.25 | 37.03 -5.38 20.29 | 33.87 -5.13 19.19 | 52.74 -6.92 25.62 | 48.20 -4.69 8.29 | 30.28 -3.60 12.60 | 34.81 -2.83 4.92 | 34.84 -3.03 4.78 |
| NEVERSink__HYD 23608 | 50.54 1.82 0.00 | 38.38 1.32 0.00 | 34.35 1.23 0.00 | 31.43 1.15 0.00 | 34.84 1.29 0.00 | 39.78 1.52 0.00 | 48.74 2.12 0.00 | 80.93 4.12 0.00 | 95.70 4.84 0.00 | 160.36 8.57 0.00 | 126.19 6.85 0.00 | 68.14 3.78 0.00 | 65.33 3.67 0.00 | 59.58 3.40 0.00 | 67.61 3.91 0.00 | 73.53 4.22 0.00 | 68.05 3.77 0.00 | 66.20 3.49 0.00 | 61.46 3.27 0.00 | 90.00 4.73 0.00 | 64.67 3.50 0.00 | 48.99 2.51 0.00 | 44.63 2.06 0.00 | 44.54 1.89 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 49.57 0.85 0.00 | 37.79 0.73 0.00 | 33.85 0.73 0.00 | 31.03 0.75 0.00 | 34.26 0.71 0.00 | 38.99 0.72 0.00 | 47.59 0.97 0.00 | 78.88 2.07 0.00 | 93.32 2.47 0.00 | 155.81 4.02 0.00 | 122.84 3.50 0.00 | 66.35 1.99 0.00 | 63.59 1.93 0.00 | 58.01 1.84 0.00 | 65.83 2.13 0.00 | 71.49 2.19 0.00 | 66.20 1.91 0.00 | 64.48 1.77 0.00 | 59.87 1.68 0.00 | 87.48 2.21 0.00 | 62.81 1.63 0.00 | 47.65 1.17 0.00 | 43.60 1.03 0.00 | 43.73 1.08 0.00 |
| NEWTON__FALLS_HYD 23847 | 48.14 -0.59 0.00 | 36.42 -0.64 0.00 | 32.41 -0.71 0.00 | 29.39 -0.89 0.00 | 32.68 -0.87 0.00 | 37.60 -0.67 0.00 | 46.12 -0.50 0.00 | 75.65 -1.16 0.00 | 89.29 -1.57 0.00 | 157.80 -3.34 -9.34 | 132.52 -2.83 -16.01 | 72.36 -1.99 -9.99 | 62.83 -2.09 -3.27 | 54.22 -1.96 0.00 | 61.98 -1.72 0.00 | 68.04 -1.27 0.00 | 63.66 -0.63 0.00 | 61.86 -0.85 0.00 | 57.22 -0.97 0.00 | 85.23 -0.71 -0.66 | 60.33 -0.85 0.00 | 45.70 -0.82 -0.05 | 48.87 -1.11 -7.41 | 45.81 -1.17 -4.33 |
| NGRID_A1_DSASP 323792 | 37.80 -4.90 6.02 | 26.37 -3.79 6.90 | 23.17 -3.48 6.48 | 20.61 -3.30 6.37 | 23.39 -3.38 6.79 | 29.89 -3.35 5.03 | 33.68 -4.66 8.28 | 54.73 -9.31 12.77 | 66.09 -10.65 14.12 | 115.93 -16.53 19.33 | 87.05 -13.81 18.47 | 45.58 -7.58 11.20 | 41.67 -7.17 12.82 | 34.58 -6.53 15.06 | 38.37 -7.82 17.51 | 38.59 -8.43 22.28 | 37.73 -7.91 18.64 | 34.31 -7.50 20.90 | 31.09 -7.14 19.96 | 42.61 -10.53 32.13 | 41.28 -7.00 12.91 | 27.12 -5.18 14.17 | 29.78 -4.33 8.44 | 29.80 -4.48 8.37 |
| NGRID_A2_DSASP 323793 | 37.80 -4.90 6.02 | 26.37 -3.79 6.90 | 23.17 -3.48 6.48 | 20.61 -3.30 6.37 | 23.39 -3.38 6.79 | 29.89 -3.35 5.03 | 33.68 -4.66 8.28 | 54.73 -9.31 12.77 | 66.09 -10.65 14.12 | 115.93 -16.53 19.33 | 87.05 -13.81 18.47 | 45.58 -7.58 11.20 | 41.67 -7.17 12.82 | 34.58 -6.53 15.06 | 38.37 -7.82 17.51 | 38.59 -8.43 22.28 | 37.73 -7.91 18.64 | 34.31 -7.50 20.90 | 31.09 -7.14 19.96 | 42.61 -10.53 32.13 | 41.28 -7.00 12.91 | 27.12 -5.18 14.17 | 29.78 -4.33 8.44 | 29.80 -4.48 8.37 |
| NGRID_A4_DSASP 323807 | 37.80 -4.90 6.02 | 26.37 -3.79 6.90 | 23.17 -3.48 6.48 | 20.61 -3.30 6.37 | 23.39 -3.38 6.79 | 29.89 -3.35 5.03 | 33.68 -4.66 8.28 | 54.73 -9.31 12.77 | 66.09 -10.65 14.12 | 115.93 -16.53 19.33 | 87.05 -13.81 18.47 | 45.58 -7.58 11.20 | 41.67 -7.17 12.82 | 34.58 -6.53 15.06 | 38.37 -7.82 17.51 | 38.59 -8.43 22.28 | 37.73 -7.91 18.64 | 34.31 -7.50 20.90 | 31.09 -7.14 19.96 | 42.61 -10.53 32.13 | 41.28 -7.00 12.91 | 27.12 -5.18 14.17 | 29.78 -4.33 8.44 | 29.80 -4.48 8.37 |
| NIAGARA_115E_LBMP 323715 | 37.59 -5.13 6.01 | 26.20 -3.97 6.89 | 23.01 -3.64 6.46 | 20.47 -3.45 6.36 | 23.24 -3.54 6.77 | 29.72 -3.54 5.01 | 33.51 -4.85 8.26 | 54.56 -9.52 12.73 | 65.89 -10.90 14.07 | 115.41 -17.12 19.26 | 86.71 -14.18 18.45 | 45.30 -7.88 11.17 | 41.35 -7.49 12.82 | 34.23 -6.86 15.09 | 37.98 -8.16 17.56 | 38.14 -8.76 22.41 | 37.35 -8.21 18.72 | 34.06 -7.69 20.96 | 30.91 -7.26 20.02 | 42.13 -10.79 32.35 | 41.10 -7.19 12.89 | 26.97 -5.33 14.18 | 29.64 -4.51 8.42 | 29.65 -4.66 8.34 |
| NIAGARA_115W_LBMP 323714 | 37.63 -5.04 6.06 | 26.23 -3.89 6.94 | 23.03 -3.57 6.52 | 20.48 -3.39 6.41 | 23.25 -3.47 6.83 | 29.76 -3.45 5.06 | 33.49 -4.80 8.33 | 54.43 -9.53 12.85 | 65.76 -10.89 14.21 | 115.37 -16.97 19.46 | 86.69 -14.11 18.54 | 45.34 -7.76 11.25 | 41.44 -7.36 12.86 | 34.39 -6.69 15.09 | 38.13 -8.00 17.57 | 38.31 -8.64 22.35 | 37.49 -8.09 18.71 | 34.13 -7.67 20.91 | 30.93 -7.29 19.97 | 42.32 -10.76 32.20 | 41.03 -7.17 12.97 | 26.98 -5.30 14.20 | 29.61 -4.46 8.50 | 29.63 -4.60 8.42 |
| NIAGARA_230_LBMP 323716 | 37.94 -4.51 6.28 | 26.38 -3.50 7.18 | 23.17 -3.21 6.74 | 20.59 -3.04 6.64 | 23.38 -3.09 7.08 | 29.98 -3.05 5.24 | 33.74 -4.25 8.63 | 54.96 -8.54 13.31 | 66.44 -9.71 14.71 | 116.60 -15.05 20.14 | 87.78 -12.63 18.92 | 45.85 -6.96 11.55 | 41.95 -6.60 13.12 | 34.88 -6.05 15.24 | 38.52 -7.27 17.92 | 38.72 -7.83 22.76 | 37.85 -7.35 19.08 | 34.78 -6.97 20.96 | 31.48 -6.67 20.04 | 42.93 -9.76 32.58 | 41.38 -6.44 13.36 | 27.38 -4.75 14.35 | 29.81 -3.96 8.79 | 29.83 -4.10 8.73 |
| NIAGARA__115KV_198_GIBSON 55903 | 37.58 -5.09 6.06 | 26.18 -3.94 6.94 | 22.99 -3.62 6.52 | 20.44 -3.43 6.41 | 23.21 -3.52 6.83 | 29.73 -3.48 5.06 | 33.45 -4.84 8.33 | 54.32 -9.64 12.85 | 65.66 -10.99 14.21 | 115.01 -17.33 19.46 | 86.60 -14.20 18.54 | 45.22 -7.89 11.25 | 41.32 -7.47 12.86 | 34.34 -6.75 15.09 | 37.95 -8.18 17.57 | 38.02 -8.94 22.35 | 37.32 -8.26 18.71 | 34.15 -7.65 20.91 | 30.91 -7.31 19.97 | 42.12 -10.95 32.20 | 40.81 -7.40 12.97 | 26.99 -5.28 14.20 | 29.55 -4.52 8.50 | 29.58 -4.65 8.42 |
| NIAGARA____ 23760 | 38.16 -4.51 6.06 | 26.64 -3.50 6.92 | 23.43 -3.21 6.49 | 20.85 -3.04 6.38 | 23.66 -3.09 6.79 | 30.17 -3.05 5.06 | 33.94 -4.25 8.43 | 55.21 -8.54 13.06 | 66.71 -9.71 14.44 | 116.96 -15.05 19.78 | 88.00 -12.63 18.70 | 46.02 -6.96 11.37 | 42.10 -6.60 12.97 | 34.96 -6.05 15.16 | 38.70 -7.27 17.73 | 38.91 -7.83 22.56 | 38.04 -7.35 18.89 | 34.83 -6.97 20.91 | 31.54 -6.67 19.98 | 43.08 -9.76 32.44 | 41.60 -6.44 13.14 | 27.48 -4.75 14.26 | 30.03 -3.96 8.57 | 30.09 -4.10 8.47 |
| NINE_MILE_1 23575 | 47.15 -1.57 0.00 | 35.88 -1.18 0.00 | 32.10 -1.02 0.00 | 29.37 -0.91 0.00 | 32.55 -1.00 0.00 | 37.10 -1.17 0.00 | 45.08 -1.54 0.00 | 74.09 -2.72 0.00 | 87.70 -3.16 0.00 | 146.52 -5.27 0.00 | 115.04 -4.30 0.00 | 62.01 -2.35 0.00 | 59.38 -2.28 0.00 | 54.03 -2.15 0.00 | 61.21 -2.50 0.00 | 66.65 -2.66 0.00 | 61.85 -2.44 0.00 | 60.38 -2.33 0.00 | 56.04 -2.15 0.00 | 82.22 -3.05 0.00 | 59.04 -2.13 0.00 | 44.97 -1.51 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |
| NINE_MILE_2 23744 | 47.15 -1.58 0.00 | 35.88 -1.18 0.00 | 32.10 -1.02 0.00 | 29.37 -0.91 0.00 | 32.55 -1.00 0.00 | 37.09 -1.18 0.00 | 45.08 -1.55 0.00 | 74.08 -2.73 0.00 | 87.69 -3.17 0.00 | 146.50 -5.30 0.00 | 115.02 -4.32 0.00 | 61.99 -2.37 0.00 | 59.37 -2.29 0.00 | 54.02 -2.15 0.00 | 61.19 -2.51 0.00 | 66.64 -2.66 0.00 | 61.84 -2.44 0.00 | 60.38 -2.33 0.00 | 56.04 -2.15 0.00 | 82.22 -3.05 0.00 | 59.04 -2.13 0.00 | 44.97 -1.51 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |
| NM_CAPITAL__DRP 24208 | 49.61 0.88 0.00 | 37.84 0.78 0.00 | 33.90 0.78 0.00 | 31.06 0.79 0.00 | 34.31 0.76 0.00 | 39.03 0.76 0.00 | 47.62 1.00 0.00 | 78.89 2.08 0.00 | 93.38 2.52 0.00 | 155.81 4.02 0.00 | 122.89 3.55 0.00 | 66.38 2.02 0.00 | 63.62 1.96 0.00 | 58.04 1.87 0.00 | 65.89 2.19 0.00 | 71.54 2.24 0.00 | 66.23 1.95 0.00 | 64.50 1.79 0.00 | 59.90 1.71 0.00 | 87.51 2.24 0.00 | 62.83 1.65 0.00 | 47.66 1.18 0.00 | 43.64 1.08 0.00 | 43.79 1.14 0.00 |

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|-------------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| NM_CENTRAL___DRP 24181 | 47.86 -0.86 0.00 | 36.41 -0.65 0.00 | 32.56 -0.56 0.00 | 29.79 -0.49 0.00 | 33.04 -0.51 0.00 | 37.71 -0.56 0.00 | 45.96 -0.66 0.00 | 75.55 -1.27 0.00 | 89.48 -1.38 0.00 | 149.49 -2.31 0.00 | 117.30 -2.04 0.00 | 63.19 -1.17 0.00 | 60.51 -1.15 0.00 | 55.01 -1.17 0.00 | 62.23 -1.48 0.00 | 67.83 -1.48 0.00 | 62.97 -1.31 0.00 | 61.50 -1.21 0.00 | 57.08 -1.11 0.00 | 83.79 -1.51 -0.03 | 60.25 -0.93 0.00 | 45.89 -0.58 0.00 | 42.09 -0.47 0.00 | 42.09 -0.57 0.00 |
| NM_FRONTIER___DRP 24179 | 37.58 -5.09 6.06 | 26.18 -3.94 6.94 | 22.99 -3.62 6.52 | 20.44 -3.43 6.41 | 23.21 -3.52 6.83 | 29.73 -3.48 5.06 | 33.45 -4.84 8.33 | 54.32 -9.64 12.85 | 65.66 -10.99 14.21 | 115.01 -17.33 19.46 | 86.60 -14.20 18.54 | 45.22 -7.89 11.25 | 41.32 -7.47 12.86 | 34.34 -6.75 15.09 | 37.95 -8.18 17.57 | 38.02 -8.94 22.35 | 37.32 -8.26 18.71 | 34.15 -7.65 20.91 | 30.91 -7.31 19.97 | 42.12 -10.95 32.20 | 40.81 -7.40 12.97 | 26.99 -5.28 14.20 | 29.55 -4.52 8.50 | 29.58 -4.65 8.42 |
| NM_ST_REGIS___HYD 24053 | 49.06 0.34 0.00 | 37.20 0.14 0.00 | 33.12 0.00 0.00 | 30.11 -0.17 0.00 | 33.39 -0.16 0.00 | 38.23 -0.05 0.00 | 46.67 0.05 0.00 | 76.73 -0.08 0.00 | 90.46 -0.40 0.00 | 172.34 -1.27 -21.81 | 155.53 -1.18 -37.37 | 86.75 -0.94 -23.32 | 68.20 -1.09 -7.62 | 55.03 -1.15 0.00 | 62.63 -1.06 0.00 | 68.51 -0.79 0.00 | 64.06 -0.22 0.00 | 62.60 -0.11 0.00 | 58.05 -0.14 0.00 | 86.40 0.21 -0.92 | 60.65 -0.53 0.00 | 45.92 -0.67 -0.11 | 59.06 -0.81 -17.31 | 52.00 -0.77 -10.12 |
| NORTHPORT___1 23551 | 52.38 2.91 -0.75 | 59.80 2.31 -20.43 | 35.23 2.11 0.00 | 32.19 1.92 0.00 | 35.54 1.99 0.00 | 40.41 2.14 0.00 | 49.39 2.77 0.00 | 80.95 4.14 0.00 | 96.73 5.40 -0.47 | 369.04 10.77 -206.47 | 160.37 7.70 -33.33 | 68.41 4.06 0.00 | 65.51 3.82 -0.03 | 60.16 3.89 -0.09 | 69.20 4.63 -0.87 | 74.47 5.10 -0.06 | 69.44 4.53 -0.62 | 67.23 4.38 -0.14 | 61.76 3.57 0.00 | 89.86 4.51 -0.07 | 66.10 3.77 -1.15 | 52.40 3.19 -2.73 | 64.98 2.82 -19.60 | 86.69 2.68 -41.36 |
| NORTHPORT___2 23552 | 52.38 2.91 -0.75 | 59.80 2.31 -20.43 | 35.23 2.11 0.00 | 32.19 1.92 0.00 | 35.54 1.99 0.00 | 40.41 2.14 0.00 | 49.39 2.77 0.00 | 80.95 4.14 0.00 | 96.73 5.40 -0.47 | 369.04 10.77 -206.47 | 160.37 7.70 -33.33 | 68.41 4.06 0.00 | 65.51 3.82 -0.03 | 60.16 3.89 -0.09 | 69.20 4.63 -0.87 | 74.47 5.10 -0.06 | 69.44 4.53 -0.62 | 67.23 4.38 -0.14 | 61.76 3.57 0.00 | 89.86 4.51 -0.07 | 66.10 3.77 -1.15 | 52.40 3.19 -2.73 | 64.98 2.82 -19.60 | 86.69 2.68 -41.36 |
| NORTHPORT___3 23553 | 52.38 2.90 -0.75 | 59.62 2.13 -20.43 | 35.07 1.94 0.00 | 32.01 1.74 0.00 | 35.28 1.73 0.00 | 40.09 1.82 0.00 | 49.01 2.39 0.00 | 80.51 3.70 0.00 | 96.02 4.69 -0.47 | 367.92 9.65 -206.47 | 159.52 6.85 -33.33 | 68.03 3.67 0.00 | 65.22 3.53 -0.03 | 59.89 3.62 -0.09 | 68.82 4.27 -0.85 | 74.01 4.65 -0.05 | 69.14 4.24 -0.60 | 67.00 4.15 -0.13 | 61.46 3.27 0.00 | 89.62 4.27 -0.07 | 65.80 3.51 -1.12 | 52.20 3.01 -2.71 | 64.73 2.57 -19.59 | 86.41 2.40 -41.36 |
| NORTHPORT___4 23650 | 52.38 2.90 -0.75 | 59.62 2.13 -20.43 | 35.07 1.94 0.00 | 32.01 1.74 0.00 | 35.28 1.73 0.00 | 40.09 1.82 0.00 | 49.01 2.39 0.00 | 80.51 3.70 0.00 | 96.02 4.69 -0.47 | 367.92 9.65 -206.47 | 159.52 6.85 -33.33 | 68.03 3.67 0.00 | 65.22 3.53 -0.03 | 59.89 3.62 -0.09 | 68.82 4.27 -0.85 | 74.01 4.65 -0.05 | 69.14 4.24 -0.60 | 67.00 4.15 -0.13 | 61.46 3.27 0.00 | 89.62 4.27 -0.07 | 65.80 3.51 -1.12 | 52.20 3.01 -2.71 | 64.73 2.57 -19.59 | 86.41 2.40 -41.36 |
| NORTHPORT___IC 23718 | 52.40 2.92 -0.75 | 59.81 2.31 -20.43 | 35.23 2.11 0.00 | 32.20 1.93 0.00 | 35.56 2.00 0.00 | 40.41 2.15 0.00 | 49.39 2.77 0.00 | 80.96 4.15 0.00 | 96.73 5.40 -0.47 | 369.12 10.85 -206.47 | 160.36 7.68 -33.33 | 68.42 4.06 0.00 | 65.52 3.83 -0.03 | 60.16 3.89 -0.09 | 69.22 4.65 -0.87 | 74.49 5.13 -0.06 | 69.48 4.57 -0.62 | 67.23 4.39 -0.14 | 61.77 3.58 0.00 | 89.88 4.53 -0.07 | 66.13 3.80 -1.15 | 52.39 3.18 -2.73 | 64.99 2.83 -19.60 | 86.69 2.68 -41.36 |
| NORTH___COUNTRY_ESR 323785 | 49.39 0.67 0.00 | 37.34 0.28 0.00 | 33.25 0.12 0.00 | 30.18 -0.10 0.00 | 33.39 -0.17 0.00 | 37.99 -0.28 0.00 | 46.15 -0.47 0.00 | 75.95 -0.86 0.00 | 89.51 -1.35 0.00 | 65.60 -3.48 82.72 | -25.29 -2.92 141.71 | -25.65 -1.59 88.43 | 31.25 -1.50 28.91 | 54.99 -1.18 0.00 | 62.48 -1.22 0.00 | 68.28 -1.03 0.00 | 64.02 -0.26 0.00 | 63.17 0.46 0.00 | 58.72 0.53 0.00 | 86.87 1.01 -0.59 | 60.53 -0.65 0.00 | 45.06 -0.99 0.42 | -24.34 -1.27 65.63 | 3.12 -1.18 38.35 |
| NPX_GEN_1385_PROXY 323591 | 52.49 3.01 -0.75 | 59.80 2.31 -20.43 | 35.21 2.11 0.02 | 32.20 2.06 0.14 | 35.80 2.25 0.00 | 40.67 2.40 0.00 | 49.47 2.85 0.00 | 80.55 3.74 0.00 | 96.68 5.35 -0.47 | 368.69 10.43 -206.47 | 160.07 7.40 -33.33 | 67.81 3.45 0.00 | 64.77 3.08 -0.03 | 59.49 3.23 -0.09 | 68.73 4.16 -0.87 | 74.37 5.01 -0.06 | 68.90 3.99 -0.62 | 66.59 3.74 -0.14 | 61.17 2.98 0.00 | 52.69 2.66 35.24 | -33.40 2.44 97.02 | 52.19 2.99 -2.73 | 64.68 2.51 -19.60 | 86.67 2.66 -41.36 |
| NPX_GEN_CSC 323557 | 52.41 2.93 -0.75 | 60.07 2.57 -20.43 | 35.46 2.36 0.02 | 32.32 2.18 0.14 | 35.78 2.23 0.00 | 40.68 2.41 0.00 | 49.76 3.14 0.00 | 80.18 3.37 0.00 | 95.72 4.39 -0.47 | 367.38 9.11 -206.47 | 159.08 6.41 -33.33 | 67.82 3.46 0.00 | 64.94 3.25 -0.04 | 59.69 3.40 -0.11 | 68.79 4.06 -1.03 | 73.85 4.48 -0.06 | 69.03 4.01 -0.74 | 66.76 3.89 -0.16 | 61.34 3.15 0.00 | 89.53 4.18 -0.08 | 66.01 3.47 -1.36 | 52.10 2.78 -2.85 | 65.10 2.87 -19.67 | 86.92 2.91 -41.36 |
| NSINS_S___GLNS_FALLS 23858 | 51.89 3.16 0.00 | 39.43 2.37 0.00 | 35.26 2.14 0.00 | 32.11 1.83 0.00 | 35.42 1.87 0.00 | 40.13 1.86 0.00 | 48.80 2.18 0.00 | 80.88 4.07 0.00 | 96.03 5.17 0.00 | 160.23 8.44 0.00 | 125.70 6.36 0.00 | 67.83 3.47 0.00 | 65.05 3.39 0.00 | 59.29 3.11 0.00 | 67.27 3.56 0.00 | 73.10 3.79 0.00 | 67.53 3.25 0.00 | 66.05 3.34 0.00 | 61.43 3.24 0.00 | 89.84 4.57 0.00 | 64.23 3.05 0.00 | 48.61 2.13 0.00 | 44.58 2.02 0.00 | 45.29 2.63 0.00 |
| NUCOR_STEEL___DRP 24197 | 48.34 -0.39 0.00 | 36.77 -0.42 -0.14 | 32.99 -0.25 -0.12 | 30.06 -0.22 0.00 | 33.41 -0.15 0.00 | 38.16 -0.11 0.00 | 46.35 -0.27 0.00 | 76.45 -0.36 0.00 | 90.64 -0.22 0.00 | 151.32 -0.48 0.00 | 120.53 -0.85 -2.05 | 64.38 -0.66 -0.68 | 62.37 -0.70 -1.41 | 57.85 -1.00 -2.67 | 63.01 -1.38 -0.69 | 68.31 -0.99 0.00 | 63.22 -1.26 -0.19 | 67.19 -0.83 -5.31 | 62.53 -0.60 -4.94 | 86.40 -0.65 -1.77 | 61.46 -0.19 -0.47 | 49.51 -0.06 -3.10 | 42.59 -0.05 -0.07 | 42.50 -0.15 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 48.31 -0.41 0.00 | 36.39 -0.67 0.00 | 32.37 -0.76 0.00 | 29.25 -1.03 0.00 | 32.60 -0.95 0.00 | 37.63 -0.64 0.00 | 46.28 -0.34 0.00 | 75.73 -1.08 0.00 | 89.55 -1.31 0.00 | 152.84 -3.07 -4.12 | 123.84 -2.56 -7.06 | 67.07 -1.69 -4.40 | 61.35 -1.75 -1.44 | 54.66 -1.51 0.00 | 62.55 -1.15 0.00 | 68.94 -0.36 0.00 | 64.70 0.41 0.00 | 62.81 0.10 0.00 | 57.75 -0.44 0.00 | 86.03 0.46 -0.29 | 61.26 0.08 0.00 | 46.43 -0.07 -0.02 | 45.16 -0.67 -3.27 | 43.76 -0.80 -1.91 |
| NYISO_LBMP_REFERENCE 24008 | 48.73 0.00 0.00 | 37.06 0.00 0.00 | 33.12 0.00 0.00 | 30.28 0.00 0.00 | 33.55 0.00 0.00 | 38.27 0.00 0.00 | 46.62 0.00 0.00 | 76.81 0.00 0.00 | 90.86 0.00 0.00 | 151.79 0.00 0.00 | 119.34 0.00 0.00 | 64.36 0.00 0.00 | 61.66 0.00 0.00 | 56.18 0.00 0.00 | 63.70 0.00 0.00 | 69.31 0.00 0.00 | 64.28 0.00 0.00 | 62.71 0.00 0.00 | 58.19 0.00 0.00 | 85.27 0.00 0.00 | 61.18 0.00 0.00 | 46.48 0.00 0.00 | 42.56 0.00 0.00 | 42.65 0.00 0.00 |

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|--------------------------------|-------|--------|--------|--------|--------|--------|-------|-------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| NYPA_BRENTWD____GT 24164 | 52.76 | 60.09 | 35.48 | 32.44 | 35.82 | 40.78 | 49.93 | 81.82 | 97.68 | 370.71 | 161.74 | 69.17 | 66.27 | 60.90 | 70.34 | 75.32 | 70.44 | 67.85 | 62.31 | 90.85 | 67.37 | 53.13 | 65.59 | 87.12 |
| | 3.28 | 2.59 | 2.36 | 2.16 | 2.27 | 2.51 | 3.31 | 5.01 | 6.36 | 12.44 | 9.06 | 4.81 | 4.57 | 4.59 | 5.42 | 5.94 | 5.28 | 4.95 | 4.12 | 5.48 | 4.58 | 3.66 | 3.27 | 3.11 |
| | -0.75 | -20.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.47 | -206.47 | -33.33 | 0.00 | -0.04 | -0.13 | -1.22 | -0.08 | -0.87 | -0.19 | 0.00 | -0.10 | -1.61 | -2.99 | -19.75 | -41.36 |
| NYPA_GOWANUS____GT5 24156 | 57.08 | 56.28 | 55.72 | 54.98 | 55.74 | 56.40 | 57.24 | 91.15 | 112.24 | 164.30 | 134.22 | 97.59 | 97.59 | 97.59 | 97.63 | 99.62 | 98.74 | 97.70 | 97.79 | 102.08 | 97.81 | 97.66 | 77.86 | 57.51 |
| | 2.51 | 1.89 | 1.79 | 1.68 | 1.82 | 2.07 | 2.82 | 5.26 | 6.02 | 10.30 | 8.11 | 4.48 | 4.35 | 4.22 | 4.93 | 5.26 | 4.85 | 4.36 | 3.91 | 5.53 | 4.19 | 3.12 | 2.59 | 2.46 |
| | -5.84 | -17.33 | -20.81 | -23.02 | -20.37 | -16.07 | -7.79 | -9.07 | -15.36 | -2.21 | -6.76 | -28.76 | -31.58 | -37.19 | -29.00 | -25.05 | -29.60 | -30.63 | -35.69 | -11.27 | -32.44 | -48.06 | -32.70 | -12.40 |
| NYPA_GOWANUS____GT6 24157 | 57.08 | 56.28 | 55.72 | 54.98 | 55.74 | 56.40 | 57.24 | 91.15 | 112.24 | 164.30 | 134.22 | 97.59 | 97.59 | 97.59 | 97.63 | 99.62 | 98.74 | 97.70 | 97.79 | 102.08 | 97.81 | 97.66 | 77.86 | 57.51 |
| | 2.51 | 1.89 | 1.79 | 1.68 | 1.82 | 2.07 | 2.82 | 5.26 | 6.02 | 10.30 | 8.11 | 4.48 | 4.35 | 4.22 | 4.93 | 5.26 | 4.85 | 4.36 | 3.91 | 5.53 | 4.19 | 3.12 | 2.59 | 2.46 |
| | -5.84 | -17.33 | -20.81 | -23.02 | -20.37 | -16.07 | -7.79 | -9.07 | -15.36 | -2.21 | -6.76 | -28.76 | -31.58 | -37.19 | -29.00 | -25.05 | -29.60 | -30.63 | -35.69 | -11.27 | -32.44 | -48.06 | -32.70 | -12.40 |
| NYPA_HARLEM__RVR__GT1 24160 | 50.62 | 38.51 | 34.54 | 31.58 | 34.96 | 39.86 | 48.86 | 81.25 | 95.99 | 160.66 | 126.18 | 68.28 | 65.37 | 59.82 | 68.01 | 73.91 | 68.46 | 66.44 | 61.49 | 89.88 | 64.72 | 49.13 | 44.73 | 44.64 |
| | 1.90 | 1.45 | 1.42 | 1.29 | 1.41 | 1.60 | 2.24 | 4.43 | 5.13 | 8.88 | 6.84 | 3.91 | 3.71 | 3.64 | 4.31 | 4.60 | 4.18 | 3.73 | 3.30 | 4.60 | 3.54 | 2.65 | 2.17 | 1.98 |
| | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 |
| NYPA_HARLEM__RVR__GT2 24161 | 50.62 | 38.51 | 34.54 | 31.58 | 34.96 | 39.86 | 48.86 | 81.25 | 95.99 | 160.66 | 126.18 | 68.28 | 65.37 | 59.82 | 68.01 | 73.91 | 68.46 | 66.44 | 61.49 | 89.88 | 64.72 | 49.13 | 44.73 | 44.64 |
| | 1.90 | 1.45 | 1.42 | 1.29 | 1.41 | 1.60 | 2.24 | 4.43 | 5.13 | 8.88 | 6.84 | 3.91 | 3.71 | 3.64 | 4.31 | 4.60 | 4.18 | 3.73 | 3.30 | 4.60 | 3.54 | 2.65 | 2.17 | 1.98 |
| | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 |
| NYPA_KENT____GT 24152 | 54.62 | 49.28 | 47.35 | 45.72 | 47.54 | 49.90 | 54.02 | 89.27 | 113.50 | 164.25 | 131.25 | 86.02 | 84.87 | 83.89 | 86.96 | 90.85 | 88.14 | 85.37 | 83.46 | 97.37 | 84.74 | 78.41 | 64.73 | 52.46 |
| | 2.38 | 1.80 | 1.70 | 1.59 | 1.73 | 1.96 | 2.71 | 5.09 | 5.81 | 10.04 | 7.83 | 4.36 | 4.20 | 4.10 | 4.81 | 5.15 | 4.72 | 4.22 | 3.79 | 5.31 | 4.03 | 3.00 | 2.48 | 2.34 |
| | -3.52 | -10.43 | -12.53 | -13.85 | -12.25 | -9.67 | -4.69 | -7.37 | -16.84 | -2.42 | -4.07 | -17.31 | -19.01 | -23.61 | -18.45 | -16.39 | -19.14 | -18.43 | -21.48 | -6.78 | -19.52 | -28.93 | -19.68 | -7.47 |
| NYPA_POUCH1____GT 24155 | 56.99 | 56.24 | 55.69 | 54.95 | 55.70 | 56.35 | 57.14 | 90.87 | 111.89 | 163.71 | 133.74 | 97.33 | 97.35 | 95.78 | 96.19 | 97.65 | 98.51 | 97.48 | 97.63 | 101.85 | 97.65 | 97.55 | 77.77 | 57.42 |
| | 2.42 | 1.85 | 1.76 | 1.65 | 1.78 | 2.01 | 2.73 | 4.99 | 5.68 | 9.72 | 7.64 | 4.21 | 4.11 | 4.00 | 4.68 | 4.97 | 4.62 | 4.14 | 3.75 | 5.30 | 4.03 | 3.01 | 2.50 | 2.37 |
| | -5.84 | -17.33 | -20.81 | -23.02 | -20.37 | -16.07 | -7.79 | -9.07 | -15.36 | -2.21 | -6.76 | -28.76 | -31.58 | -35.61 | -27.81 | -23.38 | -29.60 | -30.63 | -35.69 | -11.27 | -32.44 | -48.06 | -32.70 | -12.40 |
| NYPA_VERNON____GT2 24162 | 52.18 | 42.29 | 38.97 | 36.48 | 39.33 | 43.40 | 50.78 | 87.37 | 114.79 | 164.15 | 128.28 | 74.44 | 72.17 | 70.20 | 76.28 | 82.07 | 77.53 | 73.04 | 69.09 | 92.66 | 71.68 | 59.16 | 51.59 | 47.41 |
| | 2.26 | 1.70 | 1.61 | 1.51 | 1.63 | 1.86 | 2.57 | 4.90 | 5.60 | 9.73 | 7.56 | 4.23 | 4.08 | 3.99 | 4.67 | 5.03 | 4.56 | 4.09 | 3.63 | 5.09 | 3.89 | 2.89 | 2.37 | 2.23 |
| | -1.19 | -3.53 | -4.24 | -4.69 | -4.15 | -3.27 | -1.59 | -5.66 | -18.32 | -2.63 | -1.38 | -5.86 | -6.44 | -10.04 | -7.91 | -7.74 | -8.68 | -6.24 | -7.27 | -2.29 | -6.61 | -9.79 | -6.66 | -2.53 |
| NYPA_VERNON____GT3 24163 | 52.18 | 42.29 | 38.97 | 36.48 | 39.33 | 43.40 | 50.78 | 87.37 | 114.79 | 164.15 | 128.28 | 74.44 | 72.17 | 70.20 | 76.28 | 82.07 | 77.53 | 73.04 | 69.09 | 92.66 | 71.68 | 59.16 | 51.59 | 47.41 |
| | 2.26 | 1.70 | 1.61 | 1.51 | 1.63 | 1.86 | 2.57 | 4.90 | 5.60 | 9.73 | 7.56 | 4.23 | 4.08 | 3.99 | 4.67 | 5.03 | 4.56 | 4.09 | 3.63 | 5.09 | 3.89 | 2.89 | 2.37 | 2.23 |
| | -1.19 | -3.53 | -4.24 | -4.69 | -4.15 | -3.27 | -1.59 | -5.66 | -18.32 | -2.63 | -1.38 | -5.86 | -6.44 | -10.04 | -7.91 | -7.74 | -8.68 | -6.24 | -7.27 | -2.29 | -6.61 | -9.79 | -6.66 | -2.53 |
| NYPA__ASTORIA_CC1 323568 | 50.94 | 38.73 | 34.71 | 31.77 | 35.16 | 40.10 | 49.16 | 85.51 | 111.72 | 163.57 | 126.78 | 68.52 | 65.67 | 62.59 | 70.32 | 76.92 | 71.46 | 66.73 | 61.76 | 90.26 | 65.01 | 49.32 | 44.89 | 44.86 |
| | 2.22 | 1.67 | 1.58 | 1.48 | 1.61 | 1.83 | 2.53 | 4.85 | 5.51 | 9.57 | 7.44 | 4.16 | 4.01 | 3.93 | 4.60 | 4.95 | 4.49 | 4.02 | 3.57 | 4.99 | 3.83 | 2.84 | 2.33 | 2.20 |
| | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 | -3.85 | -15.35 | -2.21 | 0.00 | 0.00 | -0.01 | -2.49 | -2.02 | -2.67 | -2.68 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 |
| NYPA__ASTORIA_CC2 323569 | 50.94 | 38.73 | 34.71 | 31.77 | 35.16 | 40.10 | 49.16 | 85.51 | 111.72 | 163.57 | 126.78 | 68.52 | 65.67 | 62.59 | 70.32 | 76.92 | 71.46 | 66.73 | 61.76 | 90.26 | 65.01 | 49.32 | 44.89 | 44.86 |
| | 2.22 | 1.67 | 1.58 | 1.48 | 1.61 | 1.83 | 2.53 | 4.85 | 5.51 | 9.57 | 7.44 | 4.16 | 4.01 | 3.93 | 4.60 | 4.95 | 4.49 | 4.02 | 3.57 | 4.99 | 3.83 | 2.84 | 2.33 | 2.20 |
| | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 | -3.85 | -15.35 | -2.21 | 0.00 | 0.00 | -0.01 | -2.49 | -2.02 | -2.67 | -2.68 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 |
| NYPA__HOLTSVILL 23794 | 52.44 | 59.93 | 35.36 | 32.34 | 35.68 | 40.58 | 49.65 | 80.87 | 96.54 | 368.77 | 160.20 | 68.40 | 65.52 | 60.19 | 69.34 | 74.48 | 69.58 | 67.27 | 61.81 | 90.12 | 66.43 | 52.45 | 65.16 | 86.87 |
| | 2.96 | 2.43 | 2.24 | 2.06 | 2.13 | 2.31 | 3.03 | 4.06 | 5.22 | 10.51 | 7.52 | 4.04 | 3.82 | 3.91 | 4.63 | 5.11 | 4.57 | 4.40 | 3.62 | 4.76 | 3.92 | 3.13 | 2.94 | 2.86 |
| | -0.75 | -20.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.47 | -206.47 | -33.33 | 0.00 | -0.04 | -0.11 | -1.01 | -0.06 | -0.72 | -0.16 | 0.00 | -0.08 | -1.34 | -2.83 | -19.66 | -41.36 |
| NYPA__HELLGATE_GT1 24158 | 50.62 | 38.51 | 34.54 | 31.58 | 34.96 | 39.86 | 48.86 | 81.25 | 95.99 | 160.66 | 126.18 | 68.28 | 65.37 | 59.82 | 68.01 | 73.91 | 68.46 | 66.44 | 61.51 | 89.94 | 64.73 | 49.13 | 44.73 | 44.64 |
| | 1.90 | 1.45 | 1.42 | 1.29 | 1.41 | 1.60 | 2.24 | 4.43 | 5.13 | 8.88 | 6.84 | 3.91 | 3.71 | 3.64 | 4.31 | 4.60 | 4.18 | 3.73 | 3.32 | 4.67 | 3.55 | 2.65 | 2.17 | 1.98 |
| | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 |
| NYPA__HELLGATE_GT2 24159 | 50.62 | 38.51 | 34.54 | 31.58 | 34.96 | 39.86 | 48.86 | 81.25 | 95.99 | 160.66 | 126.18 | 68.28 | 65.37 | 59.82 | 68.01 | 73.91 | 68.46 | 66.44 | 61.51 | 89.94 | 64.73 | 49.13 | 44.73 | 44.64 |
| | 1.90 | 1.45 | 1.42 | 1.29 | 1.41 | 1.60 | 2.24 | 4.43 | 5.13 | 8.88 | 6.84 | 3.91 | 3.71 | 3.64 | 4.31 | 4.60 | 4.18 | 3.73 | 3.32 | 4.67 | 3.55 | 2.65 | 2.17 | 1.98 |
| | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.01 | 0.00 | 0.00 | 0.00 | -0.01 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 |
| NYS_BARGE__HYD 23848 | 37.88 | 26.29 | 23.07 | 20.48 | 23.28 | 29.93 | 33.73 | 55.10 | 66.57 | 116.59 | 87.88 | 45.73 | 41.71 | 34.64 | 38.04 | 37.99 | 37.33 | 34.77 | 31.59 | 42.34 | 41.49 | 27.49 | 29.79 | 29.77 |
| | -4.44 | -3.45 | -3.18 | -3.01 | -3.05 | -2.99 | -4.09 | -8.17 | -9.33 | -14.73 | -12.34 | -6.91 | -6.65 | -6.12 | -7.28 | -7.78 | -7.28 | -6.77 | -6.36 | -9.28 | -6.10 | -4.54 | -3.83 | -4.01 |
| | 6.41 | 7.32 | 6.88 | 6.79 | 7.23 | 5.35 | 8.80 | 13.54 | 14.95 | 20.47 | 19.13 | 11.72 | 13.29 | 15.42 | 18.38 | 23.54 | 19.67 | 21.16 | 20.23 | 33.65 | 13.59 | 14.45 | 8.94 | 8.87 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OAK ORCHARD___HYD 24046 | 46.45 -2.27 0.00 | 35.09 -1.78 0.19 | 31.32 -1.63 0.16 | 28.74 -1.54 0.00 | 32.03 -1.52 0.00 | 36.85 -1.42 0.00 | 44.70 -1.92 0.00 | 70.96 -4.10 1.75 | 83.19 -4.77 2.89 | 140.31 -7.52 3.96 | 106.43 -6.53 6.38 | 57.20 -3.77 3.38 | 53.09 -3.70 4.86 | 45.38 -3.46 7.34 | 48.84 -4.21 10.65 | 47.27 -4.48 17.56 | 46.98 -4.13 13.17 | 46.41 -3.69 12.61 | 42.86 -3.44 11.90 | 53.13 -4.70 27.44 | 54.08 -2.98 4.12 | 38.06 -2.19 6.22 | 38.89 -1.85 1.83 | 38.91 -2.00 1.74 |
| OAKDALE___35_KV_LOAD 356122 | 47.92 -0.81 0.00 | 36.08 -0.77 0.21 | 32.25 -0.70 0.18 | 29.71 -0.57 0.00 | 32.98 -0.57 0.00 | 37.68 -0.59 0.00 | 46.05 -0.57 0.00 | 75.89 -0.92 0.00 | 89.78 -1.08 0.00 | 150.07 -1.73 0.00 | 113.84 -1.97 3.53 | 63.24 -1.12 0.00 | 60.59 -1.07 0.00 | 55.14 -1.03 0.00 | 61.33 -1.31 1.06 | 65.85 -1.08 2.38 | 61.11 -1.18 2.00 | 52.68 -1.18 8.85 | 48.82 -1.12 8.25 | 77.57 -1.38 6.33 | 59.46 -0.80 0.92 | 40.96 -0.62 4.89 | 41.98 -0.48 0.11 | 42.04 -0.61 0.00 |
| OCC_CHEM___DRP 24175 | 37.75 -4.95 6.02 | 26.32 -3.84 6.90 | 23.11 -3.53 6.48 | 20.56 -3.35 6.37 | 23.35 -3.42 6.79 | 29.87 -3.38 5.03 | 33.64 -4.70 8.28 | 54.62 -9.42 12.77 | 66.00 -10.74 14.12 | 115.54 -16.92 19.33 | 86.97 -13.90 18.47 | 45.42 -7.74 11.20 | 41.55 -7.30 12.82 | 34.52 -6.59 15.06 | 38.20 -8.00 17.51 | 38.30 -8.73 22.28 | 37.57 -8.08 18.64 | 34.33 -7.48 20.90 | 31.08 -7.15 19.96 | 42.43 -10.71 32.13 | 41.04 -7.23 12.91 | 27.15 -5.15 14.17 | 29.72 -4.40 8.44 | 29.75 -4.53 8.37 |
| OH_GEN_PROXY 24063 | 38.77 -4.40 5.56 | 27.24 -3.44 6.38 | 23.96 -3.15 6.01 | 21.28 -2.99 6.02 | 24.26 -3.03 6.26 | 30.66 -2.98 4.64 | 34.85 -4.12 7.65 | 56.75 -8.24 11.83 | 68.40 -9.36 13.10 | 119.42 -14.44 17.93 | 89.75 -12.20 17.39 | 47.14 -6.75 10.48 | 43.21 -6.37 12.08 | 36.00 -5.85 14.33 | 39.96 -7.05 16.69 | 40.27 -7.58 21.46 | 39.28 -7.15 17.86 | 35.82 -6.78 20.12 | 32.49 -6.50 19.20 | 44.69 -9.45 31.13 | 42.86 -6.24 12.07 | 28.38 -4.62 13.48 | 30.87 -3.86 7.84 | 30.89 -4.00 7.76 |
| OLIN_CORP_DRP 24177 | 37.81 -5.03 5.88 | 26.38 -3.92 6.75 | 23.17 -3.61 6.34 | 20.63 -3.42 6.23 | 23.43 -3.49 6.63 | 29.92 -3.44 4.91 | 33.76 -4.77 8.09 | 54.89 -9.44 12.48 | 66.31 -10.75 13.79 | 115.78 -17.12 18.89 | 87.15 -13.95 18.24 | 45.48 -7.87 11.01 | 41.60 -7.39 12.67 | 34.44 -6.74 14.99 | 38.20 -8.17 17.33 | 38.31 -8.90 22.10 | 37.62 -8.21 18.46 | 34.38 -7.42 20.91 | 31.10 -7.13 19.96 | 42.51 -10.75 32.01 | 41.25 -7.25 12.67 | 27.27 -5.11 14.10 | 29.84 -4.47 8.25 | 29.87 -4.61 8.18 |
| OLIN_CORP_DSASP 323712 | 37.80 -4.90 6.02 | 26.37 -3.79 6.90 | 23.17 -3.48 6.48 | 20.61 -3.30 6.37 | 23.39 -3.38 6.79 | 29.89 -3.35 5.03 | 33.68 -4.66 8.28 | 54.73 -9.31 12.77 | 66.09 -10.65 14.12 | 115.93 -16.53 19.33 | 87.05 -13.81 18.47 | 45.58 -7.58 11.20 | 41.67 -7.17 12.82 | 34.58 -6.53 15.06 | 38.37 -7.82 17.51 | 38.59 -8.43 22.28 | 37.73 -7.91 18.64 | 34.31 -7.50 20.90 | 31.09 -10.53 19.96 | 42.61 -7.00 32.13 | 41.28 -5.18 12.91 | 27.12 -4.33 14.17 | 29.78 -4.47 8.44 | 29.80 -4.48 8.37 |
| ONEIDA_HERK_LFGE 323681 | 49.10 0.38 0.00 | 37.20 0.13 0.00 | 33.17 0.04 0.00 | 30.19 -0.09 0.00 | 33.55 0.00 0.00 | 38.50 0.23 0.00 | 47.17 0.55 0.00 | 77.58 0.77 0.00 | 91.87 1.01 0.00 | 155.21 1.46 -1.96 | 123.73 1.03 -3.35 | 66.87 0.42 -2.09 | 62.76 0.41 -0.68 | 56.56 0.38 0.00 | 64.21 0.51 0.00 | 69.98 0.67 0.00 | 65.28 1.00 0.00 | 63.79 1.08 0.00 | 59.05 0.86 0.00 | 87.12 1.71 -0.14 | 62.28 1.10 0.00 | 47.23 0.74 -0.01 | 44.49 0.37 -1.55 | 43.84 0.28 -0.91 |
| ONEIDA___115KV_TB4 55905 | 49.35 0.62 0.00 | 37.46 0.40 0.00 | 33.45 0.33 0.00 | 30.56 0.28 0.00 | 33.92 0.37 0.00 | 38.85 0.58 0.00 | 47.54 0.92 0.00 | 78.37 1.56 0.00 | 92.90 2.04 0.00 | 155.27 3.48 0.00 | 121.83 2.49 0.00 | 65.63 1.27 0.00 | 63.00 1.34 0.00 | 57.32 1.15 0.00 | 64.62 0.92 0.00 | 69.95 0.65 0.00 | 65.22 0.93 0.00 | 64.06 1.36 0.00 | 59.53 1.34 0.00 | 87.49 2.15 -0.06 | 62.69 1.51 0.00 | 47.57 1.09 0.00 | 43.40 0.84 0.00 | 43.40 0.74 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 48.16 -0.57 0.00 | 36.71 -0.45 -0.10 | 32.82 -0.38 -0.08 | 29.95 -0.33 0.00 | 33.23 -0.33 0.00 | 37.93 -0.34 0.00 | 46.24 -0.38 0.00 | 76.07 -0.74 0.00 | 90.12 -0.74 0.00 | 150.49 -1.31 0.00 | 119.59 -1.25 -1.51 | 64.16 -0.73 -0.53 | 61.99 -0.76 -1.09 | 57.40 -0.83 -2.06 | 63.07 -1.17 -0.53 | 68.16 -1.14 0.00 | 63.44 -0.98 -0.14 | 65.65 -0.84 -3.78 | 60.96 -0.75 -3.52 | 85.63 -0.92 -1.27 | 61.01 -0.50 -0.34 | 48.38 -0.30 -2.20 | 42.39 -0.22 -0.05 | 42.33 -0.32 0.00 |
| ONONDAGA___COGEN 23986 | 48.11 -0.62 0.00 | 36.59 -0.47 0.00 | 32.74 -0.38 0.00 | 29.96 -0.32 0.00 | 33.24 -0.31 0.00 | 37.93 -0.34 0.00 | 46.18 -0.44 0.00 | 75.99 -0.82 0.00 | 89.99 -0.87 0.00 | 150.27 -1.52 0.00 | 117.88 -1.46 0.00 | 63.49 -0.87 0.00 | 60.75 -0.91 0.00 | 55.20 -0.97 0.00 | 62.45 -1.25 0.00 | 68.12 -1.19 0.00 | 63.20 -1.08 0.00 | 61.79 -0.92 0.00 | 57.36 -0.83 0.00 | 84.27 -1.03 -0.02 | 60.58 -0.60 0.00 | 46.12 -0.36 0.00 | 42.28 -0.28 0.00 | 42.28 -0.37 0.00 |
| ONTARIO___LFGE 23819 | 51.30 -1.34 -3.92 | 39.86 -1.11 -3.90 | 35.82 -1.01 -3.71 | 33.56 -0.86 -4.15 | 37.15 -0.82 -4.42 | 40.74 -0.80 -3.27 | 51.13 -0.84 -5.35 | 83.26 -1.50 -7.95 | 98.26 -1.44 -8.84 | 161.24 -2.66 -12.11 | 117.30 -3.00 -0.96 | 64.96 -1.96 -2.57 | 58.36 -2.18 1.12 | 46.12 -2.11 7.95 | 64.75 -2.80 -3.85 | 74.69 -2.80 -8.19 | 68.33 -2.72 -6.76 | 48.82 -2.41 11.48 | 45.94 -1.87 10.38 | 87.14 -2.27 -4.14 | 65.27 -1.37 -5.45 | 40.49 -1.10 4.89 | 46.51 -0.92 -4.87 | 46.64 -1.14 -5.12 |
| ORANGEVILLE_WT_PWR 323706 | 1.23 -4.87 42.62 | -14.08 -3.83 47.31 | -15.02 -3.60 44.55 | -18.01 -3.18 45.10 | -17.83 -3.35 48.04 | -1.09 -3.81 35.54 | -15.77 -4.34 58.05 | -18.10 -7.62 87.29 | -13.39 -8.49 95.76 | 6.29 -14.37 131.13 | 9.15 -12.30 97.89 | -8.28 -6.80 65.84 | -11.21 -6.69 66.18 | -12.81 -6.27 62.72 | -20.64 -7.37 76.97 | -20.61 -7.79 82.12 | -19.33 -7.61 76.01 | -12.27 -7.56 67.42 | -14.72 -6.96 65.95 | -21.59 -8.70 98.18 | -21.98 -5.81 77.36 | -19.19 -4.75 60.92 | -18.27 -4.25 56.59 | -18.61 -4.39 56.87 |
| ORANGEVILLE___ESR 323794 | 1.23 -4.87 42.62 | -14.08 -3.83 47.31 | -15.02 -3.60 44.55 | -18.01 -3.18 45.10 | -17.83 -3.35 48.04 | -1.09 -3.81 35.54 | -15.77 -4.34 58.05 | -18.10 -7.62 87.29 | -13.39 -8.49 95.76 | 6.29 -14.37 131.13 | 9.15 -12.30 97.89 | -8.28 -6.80 65.84 | -11.21 -6.69 66.18 | -12.81 -6.27 62.72 | -20.64 -7.37 76.97 | -20.61 -7.79 82.12 | -19.33 -7.61 76.01 | -12.27 -7.56 67.42 | -14.72 -6.96 65.95 | -21.59 -8.70 98.18 | -21.98 -5.81 77.36 | -19.19 -4.75 60.92 | -18.27 -4.25 56.59 | -18.61 -4.39 56.87 |
| OSWEGATCHIE___HYD 24044 | 48.14 -0.59 0.00 | 36.42 -0.64 0.00 | 32.41 -0.71 0.00 | 29.39 -0.89 0.00 | 32.68 -0.87 0.00 | 37.60 -0.67 0.00 | 46.12 -0.50 0.00 | 75.65 -1.17 0.00 | 89.29 -1.57 0.00 | 157.80 -3.34 -9.34 | 132.52 -2.83 -16.01 | 72.36 -1.99 -9.99 | 62.83 -2.09 -3.27 | 54.22 -1.96 0.00 | 61.97 -1.73 0.00 | 68.04 -1.27 0.00 | 63.66 -0.62 0.00 | 61.86 -0.85 0.00 | 57.23 -0.96 0.00 | 85.23 -0.71 -0.66 | 60.32 -0.85 0.00 | 45.71 -0.82 -0.05 | 48.87 -1.11 -7.41 | 45.82 -1.17 -4.33 |
| OSWEGO___5 23606 | 47.42 -1.31 0.00 | 36.07 -0.99 0.00 | 32.27 -0.86 0.00 | 29.52 -0.76 0.00 | 32.73 -0.83 0.00 | 37.32 -0.95 0.00 | 45.39 -1.23 0.00 | 74.60 -2.21 0.00 | 88.33 -2.53 0.00 | 147.55 -4.25 0.00 | 115.83 -3.51 0.00 | 62.41 -1.95 0.00 | 59.75 -1.91 0.00 | 54.37 -1.80 0.00 | 61.58 -2.12 0.00 | 67.08 -2.23 0.00 | 62.23 -2.05 0.00 | 60.76 -1.95 0.00 | 56.39 -1.80 0.00 | 82.77 -2.50 0.00 | 59.48 -1.69 0.00 | 45.28 -1.20 0.00 | 41.55 -1.01 0.00 | 41.58 -1.08 0.00 |

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| OSWEGO___6 23613 | 47.42 -1.31 0.00 | 36.07 -0.99 0.00 | 32.27 -0.86 0.00 | 29.52 -0.76 0.00 | 32.73 -0.83 0.00 | 37.32 -0.95 0.00 | 45.39 -1.23 0.00 | 74.60 -2.21 0.00 | 88.33 -2.53 0.00 | 147.55 -4.25 0.00 | 115.83 -3.51 0.00 | 62.41 -1.95 0.00 | 59.75 -1.91 0.00 | 54.37 -1.80 0.00 | 61.58 -2.12 0.00 | 67.08 -2.23 0.00 | 62.23 -2.05 0.00 | 60.76 -1.95 0.00 | 56.39 -1.80 0.00 | 82.77 -2.50 0.00 | 59.48 -1.69 0.00 | 45.28 -1.20 0.00 | 41.55 -1.01 0.00 | 41.58 -1.08 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 38.97 -4.03 5.73 | 27.30 -3.18 6.59 | 24.00 -2.95 6.18 | 21.41 -2.81 6.06 | 24.28 -2.82 6.46 | 30.83 -2.65 4.78 | 35.07 -3.67 7.88 | 57.15 -7.49 12.16 | 69.04 -8.38 13.44 | 120.29 -13.10 18.40 | 90.40 -10.96 17.98 | 47.32 -6.24 10.80 | 43.20 -5.96 12.49 | 35.89 -5.40 14.89 | 40.01 -6.63 17.06 | 40.39 -7.17 21.76 | 39.44 -6.69 18.15 | 35.79 -6.05 20.87 | 32.47 -5.81 19.91 | 44.96 -8.66 31.66 | 43.03 -5.75 12.40 | 28.41 -4.07 14.00 | 31.04 -3.48 8.05 | 31.04 -3.65 7.97 |
| OXBOW___BTM 323836 | 38.33 -4.52 5.87 | 26.80 -3.52 6.74 | 23.55 -3.24 6.33 | 20.98 -3.08 6.21 | 23.82 -3.12 6.62 | 30.33 -3.04 4.90 | 34.33 -4.21 8.08 | 55.89 -8.45 12.46 | 67.51 -9.57 13.78 | 118.13 -14.80 18.87 | 88.68 -12.44 18.22 | 46.45 -6.91 10.99 | 42.40 -6.60 12.65 | 35.18 -6.02 14.97 | 39.21 -7.21 17.28 | 39.56 -7.73 22.02 | 38.61 -7.28 18.39 | 34.97 -6.85 20.88 | 31.74 -6.52 19.93 | 43.79 -9.60 31.89 | 42.19 -6.33 12.65 | 27.70 -4.69 14.08 | 30.40 -3.92 8.24 | 30.39 -4.10 8.17 |
| OXBOW____ 24026 | 38.29 -4.57 5.87 | 26.76 -3.56 6.74 | 23.50 -3.29 6.33 | 20.94 -3.12 6.21 | 23.77 -3.17 6.62 | 30.30 -3.07 4.90 | 34.28 -4.26 8.08 | 55.79 -8.55 12.46 | 67.41 -9.67 13.78 | 117.71 -15.22 18.87 | 88.59 -12.53 18.22 | 46.30 -7.07 10.99 | 42.29 -6.71 12.65 | 35.14 -6.06 14.97 | 39.05 -7.37 17.28 | 39.28 -8.01 22.02 | 38.44 -7.45 18.39 | 34.99 -6.84 20.88 | 31.72 -6.53 19.93 | 43.62 -9.77 31.89 | 41.98 -6.55 12.65 | 27.72 -4.67 14.08 | 30.32 -4.00 8.24 | 30.34 -4.15 8.17 |
| OXY_CHEM_DSASP 323612 | 37.75 -4.95 6.02 | 26.32 -3.84 6.90 | 23.11 -3.53 6.48 | 20.56 -3.35 6.37 | 23.35 -3.42 6.79 | 29.87 -3.38 5.03 | 33.64 -4.70 8.28 | 54.62 -9.42 12.77 | 66.00 -10.74 14.12 | 115.54 -16.92 19.33 | 86.97 -13.90 18.47 | 45.42 -7.74 11.20 | 41.55 -7.30 12.82 | 34.52 -6.59 15.06 | 38.20 -8.00 17.51 | 38.30 -8.73 22.28 | 37.57 -8.08 18.64 | 34.33 -7.48 20.90 | 31.08 -7.15 19.96 | 42.43 -10.71 32.13 | 41.04 -7.23 12.91 | 27.15 -5.15 14.17 | 29.72 -4.40 8.44 | 29.75 -4.53 8.37 |
| OZONE_PARK_ESR 323760 | 51.15 2.42 0.00 | 38.85 1.79 0.00 | 34.81 1.69 0.00 | 31.85 1.57 0.00 | 35.26 1.71 0.00 | 40.23 1.96 0.00 | 49.35 2.73 0.00 | 82.04 5.23 0.00 | 96.83 5.97 0.00 | 162.19 10.40 0.00 | 127.51 8.17 0.00 | 68.90 4.54 0.00 | 66.04 4.38 0.00 | 60.41 4.23 0.00 | 68.67 4.97 0.00 | 74.67 5.37 0.00 | 69.16 4.87 0.00 | 67.12 4.41 0.00 | 62.09 3.91 0.00 | 90.83 5.55 0.00 | 65.36 4.19 0.00 | 49.55 3.07 0.00 | 45.10 2.54 0.00 | 44.99 2.34 0.00 |
| PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013 | 37.75 -4.95 6.02 | 26.32 -3.84 6.90 | 23.11 -3.53 6.48 | 20.56 -3.35 6.37 | 23.35 -3.42 6.79 | 29.87 -3.38 5.03 | 33.64 -4.70 8.28 | 54.62 -9.42 12.77 | 66.00 -10.74 14.12 | 115.54 -16.92 19.33 | 86.97 -13.90 18.47 | 45.42 -7.74 11.20 | 41.55 -7.30 12.82 | 34.52 -6.59 15.06 | 38.20 -8.00 17.51 | 38.30 -8.73 22.28 | 37.57 -8.08 18.64 | 34.33 -7.48 20.90 | 31.08 -7.15 19.96 | 42.43 -10.71 32.13 | 41.04 -7.23 12.91 | 27.15 -5.15 14.17 | 29.72 -4.40 8.44 | 29.75 -4.53 8.37 |
| PACKARD___115KV_DUPONT_184 80571 | 37.75 -4.95 6.02 | 26.32 -3.84 6.90 | 23.11 -3.53 6.48 | 20.56 -3.35 6.37 | 23.35 -3.42 6.79 | 29.87 -3.38 5.03 | 33.64 -4.70 8.28 | 54.62 -9.42 12.77 | 66.00 -10.74 14.12 | 115.54 -16.92 19.33 | 86.97 -13.90 18.47 | 45.42 -7.74 11.20 | 41.55 -7.30 12.82 | 34.52 -6.59 15.06 | 38.20 -8.00 17.51 | 38.30 -8.73 22.28 | 37.57 -8.08 18.64 | 34.33 -7.48 20.90 | 31.08 -7.15 19.96 | 42.43 -10.71 32.13 | 41.04 -7.23 12.91 | 27.15 -5.15 14.17 | 29.72 -4.40 8.44 | 29.75 -4.53 8.37 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 50.75 2.02 0.00 | 38.59 1.53 0.00 | 34.60 1.48 0.00 | 31.64 1.36 -0.01 | 35.03 1.48 0.00 | 39.94 1.67 0.00 | 48.95 2.33 0.00 | 81.28 4.46 -0.01 | 95.93 5.06 -0.01 | 160.63 8.84 0.00 | 126.17 6.83 0.00 | 68.23 3.87 0.00 | 65.37 3.71 -0.01 | 59.81 3.63 -0.01 | 68.00 4.29 -0.01 | 73.91 4.61 0.00 | 68.47 4.18 0.00 | 66.42 3.71 0.00 | 61.50 3.31 0.00 | 89.94 4.66 0.00 | 64.74 3.56 0.00 | 49.10 2.62 -0.01 | 44.70 2.13 0.00 | 44.71 2.05 -0.01 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 51.04 2.31 0.00 | 38.78 1.72 0.00 | 34.81 1.68 0.00 | 31.83 1.54 -0.01 | 35.25 1.70 0.00 | 40.25 1.98 0.00 | 49.37 2.74 0.00 | 81.67 4.85 -0.01 | 96.68 5.82 -0.01 | 161.43 9.64 0.00 | 126.80 7.46 0.00 | 68.62 4.25 0.00 | 65.70 4.04 -0.01 | 60.12 3.94 -0.01 | 68.25 4.54 -0.01 | 74.19 4.89 0.00 | 68.72 4.44 0.00 | 66.65 3.94 0.00 | 61.72 3.54 0.00 | 90.21 4.94 0.00 | 64.87 3.69 0.00 | 49.18 2.70 -0.01 | 44.80 2.23 0.00 | 44.96 2.30 -0.01 |
| PATROON___115KV_TB1 80586 | 49.70 0.98 0.00 | 37.89 0.83 0.00 | 33.94 0.82 0.00 | 31.09 0.82 0.00 | 34.34 0.79 0.00 | 39.10 0.83 0.00 | 47.72 1.10 0.00 | 79.08 2.27 0.00 | 93.59 2.73 0.00 | 156.27 4.48 0.00 | 123.20 3.86 0.00 | 66.54 2.18 0.00 | 63.77 2.11 0.00 | 58.18 2.00 0.00 | 66.02 2.32 0.00 | 71.70 2.39 0.00 | 66.37 2.09 0.00 | 64.67 1.96 0.00 | 60.04 1.86 0.00 | 87.73 2.46 0.00 | 62.98 1.81 0.00 | 47.77 1.29 0.00 | 43.71 1.15 0.00 | 43.84 1.19 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 50.19 1.46 0.00 | 38.17 1.11 0.00 | 34.14 1.01 0.00 | 31.19 0.91 0.00 | 34.57 1.02 0.00 | 39.41 1.14 0.00 | 48.12 1.51 0.00 | 79.75 2.94 0.00 | 94.41 3.55 0.00 | 157.74 5.94 0.00 | 124.01 4.66 0.00 | 66.86 2.50 0.00 | 63.97 2.31 0.00 | 58.23 2.05 0.00 | 66.04 2.34 0.00 | 71.69 2.39 0.00 | 66.16 1.88 0.00 | 64.64 1.93 0.00 | 60.33 2.14 0.00 | 88.53 3.26 0.00 | 63.53 2.36 0.00 | 48.20 1.72 0.00 | 44.07 1.51 0.00 | 44.18 1.53 0.00 |
| PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030 | 41.51 -3.06 4.16 | 29.62 -2.54 4.90 | 26.18 -2.35 4.59 | 23.64 -2.24 4.40 | 26.67 -2.19 4.69 | 32.77 -2.02 3.48 | 38.12 -2.73 5.77 | 62.27 -5.57 8.97 | 74.95 -5.99 9.92 | 129.00 -9.21 13.58 | 95.88 -8.12 15.35 | 50.93 -4.75 8.68 | 46.53 -4.44 10.68 | 38.40 -4.01 13.77 | 44.28 -5.17 14.25 | 45.70 -5.48 18.13 | 44.05 -5.24 14.99 | 37.61 -4.68 20.42 | 34.26 -4.56 19.37 | 50.47 -7.00 27.81 | 46.84 -4.65 9.69 | 30.26 -3.20 13.02 | 33.80 -2.79 5.98 | 33.84 -2.95 5.86 |
| PAWLING_I15_KV_BK3_REV_LBMP_H 345028 | 50.91 2.19 0.00 | 38.68 1.62 0.00 | 34.63 1.52 0.00 | 31.70 1.42 0.00 | 35.11 1.56 0.00 | 40.05 1.78 0.00 | 49.11 2.49 0.00 | 81.62 4.81 0.00 | 96.48 5.63 0.00 | 161.55 9.76 0.00 | 127.03 7.69 0.00 | 68.59 4.23 0.00 | 65.74 4.08 0.00 | 60.07 3.90 0.00 | 68.24 4.55 0.00 | 74.24 4.93 0.00 | 68.75 4.47 0.00 | 66.80 4.09 0.00 | 61.91 3.73 0.00 | 90.57 5.30 0.00 | 65.11 3.93 0.00 | 49.32 2.84 0.00 | 44.93 2.37 0.00 | 44.82 2.17 0.00 |
| PEEKSKILL____ 23653 | 50.23 1.50 0.00 | 38.17 1.11 0.00 | 34.18 1.06 0.00 | 31.28 1.00 0.00 | 34.64 1.09 0.00 | 39.51 1.24 0.00 | 48.38 1.76 0.00 | 80.36 3.55 0.00 | 94.85 3.99 0.00 | 158.74 6.95 0.00 | 124.90 5.56 0.00 | 67.44 3.09 0.00 | 64.65 2.99 0.00 | 59.11 2.94 0.00 | 67.19 3.49 0.00 | 73.08 3.77 0.00 | 67.70 3.41 0.00 | 65.75 3.05 0.00 | 60.89 2.70 0.00 | 89.10 3.83 0.00 | 64.04 2.86 0.00 | 48.56 2.08 0.00 | 44.25 1.69 0.00 | 44.21 1.55 0.00 |

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| PGE MADISON___WINDPWR 24146 | 51.55 1.37 -1.46 | 39.27 0.11 -2.10 | 35.19 0.12 -1.94 | 32.00 0.18 -1.54 | 35.18 -0.02 -1.64 | 39.61 0.12 -1.22 | 49.25 0.60 -2.03 | 81.10 1.30 -2.99 | 96.11 2.08 -3.17 | 160.08 3.95 -4.35 | 134.07 3.39 -11.34 | 71.65 1.85 -5.44 | 72.07 1.51 -8.90 | 72.67 1.67 -14.82 | 70.53 1.83 -5.00 | 71.99 1.76 -0.92 | 68.20 2.02 -1.90 | 85.93 2.52 -20.71 | 79.30 1.75 -19.36 | 96.35 4.36 -6.72 | 70.14 4.87 -4.10 | 63.14 3.62 -13.04 | 47.07 2.40 -2.11 | 46.69 2.16 -1.88 |
| PIERCEFIELD___HYD 23852 | 48.73 0.01 0.00 | 36.98 -0.08 0.00 | 32.94 -0.19 0.00 | 29.94 -0.34 0.00 | 33.25 -0.31 0.00 | 38.12 -0.15 0.00 | 46.56 -0.06 0.00 | 76.49 -0.32 0.00 | 90.21 -0.64 0.00 | 163.97 -1.55 -13.73 | 141.50 -1.36 -23.53 | 77.95 -1.08 -14.68 | 65.22 -1.24 -4.80 | 54.85 -1.33 0.00 | 62.50 -1.20 0.00 | 68.30 -1.00 0.00 | 63.75 -0.54 0.00 | 62.12 -0.58 0.00 | 57.61 -0.58 0.00 | 85.78 -0.47 -0.98 | 60.37 -0.81 0.00 | 45.74 -0.80 -0.07 | 52.57 -0.89 -10.89 | 48.19 -0.83 -6.37 |
| PINELAWN_CC_1 323563 | 52.48 3.00 -0.75 | 59.80 2.30 -20.43 | 35.23 2.11 0.00 | 32.21 1.93 0.00 | 35.57 2.01 0.00 | 40.50 2.23 0.00 | 49.60 2.98 0.00 | 81.58 4.77 0.00 | 97.37 6.05 -0.46 | 370.16 11.89 -206.47 | 161.29 8.62 -33.33 | 68.93 4.58 0.00 | 66.14 4.40 -0.08 | 60.86 4.45 -0.23 | 71.09 5.23 -2.16 | 75.17 5.73 -0.14 | 70.96 5.13 -1.55 | 67.94 4.88 -0.36 | 62.26 4.07 0.00 | 90.98 5.53 -0.18 | 68.37 4.33 -2.86 | 53.64 3.45 -3.72 | 65.73 3.01 -20.16 | 86.85 2.84 -41.36 |
| PJM_GEN_HTP_PROXY 323702 | 50.71 1.98 0.00 | 38.54 1.48 0.00 | 34.53 1.40 0.00 | 31.59 1.32 0.00 | 34.98 1.43 0.00 | 39.89 1.63 0.00 | 48.89 2.27 0.00 | 79.42 4.42 1.81 | 95.83 4.97 0.00 | 160.50 8.71 0.00 | 113.81 6.83 12.36 | 68.17 3.81 0.00 | 65.35 3.69 0.00 | 59.78 3.60 0.00 | 67.94 4.24 0.00 | 73.90 4.59 0.00 | 68.42 4.14 0.00 | 66.45 3.74 0.00 | 61.47 3.28 0.00 | 89.86 4.59 0.00 | 64.68 3.50 0.00 | 49.05 2.57 0.00 | 44.67 2.11 0.00 | 44.57 1.92 0.00 |
| PJM_GEN_KEystone 24065 | 47.82 -0.91 0.00 | 36.00 -0.88 0.18 | 32.21 -0.76 0.16 | 29.63 -0.65 0.00 | 32.94 -0.61 0.00 | 37.67 -0.59 0.00 | 46.02 -0.60 0.00 | 74.10 -0.90 1.81 | 89.55 -0.96 0.35 | 150.36 -1.22 0.21 | 102.25 -1.45 15.65 | 62.50 -0.81 1.05 | 58.82 -0.68 2.16 | 51.53 -0.54 4.10 | 60.12 -0.68 2.90 | 64.64 -0.65 4.01 | 60.35 -0.88 3.06 | 53.46 -1.08 8.16 | 49.43 -1.15 7.61 | 75.52 -1.52 8.24 | 59.36 -0.87 0.94 | 41.43 -0.76 4.30 | 41.82 -0.64 0.09 | 41.91 -0.74 0.00 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 51.70 2.40 -0.58 | 49.66 1.84 -10.75 | 34.84 1.72 0.00 | 31.89 1.61 0.00 | 35.22 1.67 0.00 | 40.10 1.84 0.00 | 49.09 2.47 0.00 | 79.10 4.10 1.81 | 96.54 5.22 -0.47 | 368.84 10.57 -206.47 | 147.78 7.47 -20.97 | 68.30 3.94 0.00 | 65.49 3.83 0.00 | 60.03 3.85 0.00 | 68.23 4.53 0.00 | 74.21 4.90 0.00 | 68.71 4.42 0.00 | 66.88 4.17 0.00 | 61.69 3.50 0.00 | 90.01 4.73 0.00 | 64.90 3.72 0.00 | 50.53 2.94 -1.11 | 55.29 2.52 -10.20 | 66.92 2.36 -21.90 |
| PJM_GEN_VFT_PROXY 323633 | 50.38 1.66 0.00 | 38.29 1.23 0.00 | 34.31 1.19 0.00 | 31.40 1.12 0.00 | 34.76 1.20 0.00 | 39.64 1.37 0.00 | 48.58 1.96 0.00 | 78.92 3.92 1.81 | 90.17 4.31 5.00 | 156.36 7.64 3.07 | 113.05 6.08 12.36 | 67.72 3.37 0.00 | 64.94 3.28 0.00 | 59.43 3.26 0.00 | 67.57 3.87 0.00 | 73.50 4.19 0.00 | 68.05 3.77 0.00 | 66.03 3.32 0.00 | 61.10 2.92 0.00 | 89.35 4.08 0.00 | 64.30 3.12 0.00 | 48.76 2.28 0.00 | 44.39 1.83 0.00 | 44.33 1.68 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 49.95 1.23 0.00 | 37.63 0.57 0.00 | 33.57 0.45 0.00 | 30.34 0.06 0.00 | 33.38 -0.17 0.00 | 37.90 -0.37 0.00 | 45.98 -0.64 0.00 | 75.47 -1.35 0.00 | 88.96 -1.89 0.00 | 69.36 -4.22 78.22 | -17.49 -2.84 134.00 | -20.53 -1.28 83.61 | 32.81 -1.51 27.34 | 55.13 -1.04 0.00 | 62.62 -1.08 0.00 | 68.42 -0.89 0.00 | 64.27 -0.02 0.00 | 63.81 1.10 0.00 | 59.39 1.21 0.00 | 87.93 2.10 -0.55 | 60.97 -0.21 0.00 | 45.23 -0.85 0.40 | -20.54 -1.05 62.06 | 5.08 -1.30 36.27 |
| PLEASANTVLY___LBMP 24000 | 50.27 1.55 0.00 | 38.22 1.16 0.00 | 34.23 1.11 0.00 | 31.34 1.06 0.00 | 34.68 1.13 0.00 | 39.51 1.24 0.00 | 48.36 1.74 0.00 | 80.28 3.47 0.00 | 94.88 4.01 0.00 | 158.76 6.97 0.00 | 124.89 5.55 0.00 | 67.46 3.11 0.00 | 64.65 2.99 0.00 | 59.10 2.93 0.00 | 67.15 3.45 0.00 | 73.00 3.69 0.00 | 67.62 3.33 0.00 | 65.72 3.02 0.00 | 60.89 2.70 0.00 | 89.00 3.72 0.00 | 64.00 2.83 0.00 | 48.51 2.03 0.00 | 44.27 1.70 0.00 | 44.23 1.58 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 50.57 1.85 0.00 | 38.44 1.38 0.00 | 34.43 1.32 0.00 | 31.51 1.23 0.00 | 34.88 1.33 0.00 | 39.76 1.49 0.00 | 48.73 2.11 0.00 | 80.92 4.11 0.00 | 95.58 4.72 0.00 | 160.13 8.34 0.00 | 125.86 6.52 0.00 | 67.98 3.62 0.00 | 65.14 3.48 0.00 | 59.57 3.39 0.00 | 67.71 4.01 0.00 | 73.63 4.33 0.00 | 68.21 3.93 0.00 | 66.26 3.55 0.00 | 61.34 3.15 0.00 | 89.67 4.39 0.00 | 64.51 3.34 0.00 | 48.90 2.42 0.00 | 44.57 2.00 0.00 | 44.50 1.84 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 50.57 1.85 0.00 | 38.44 1.38 0.00 | 34.43 1.32 0.00 | 31.51 1.23 0.00 | 34.88 1.33 0.00 | 39.76 1.49 0.00 | 48.73 2.11 0.00 | 80.92 4.11 0.00 | 95.58 4.72 0.00 | 160.13 8.34 0.00 | 125.86 6.52 0.00 | 67.98 3.62 0.00 | 65.14 3.48 0.00 | 59.57 3.39 0.00 | 67.71 4.01 0.00 | 73.63 4.33 0.00 | 68.21 3.93 0.00 | 66.26 3.55 0.00 | 61.34 3.15 0.00 | 89.67 4.39 0.00 | 64.51 3.34 0.00 | 48.90 2.42 0.00 | 44.57 2.00 0.00 | 44.50 1.84 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 50.63 1.91 0.00 | 38.48 1.41 0.00 | 34.44 1.32 0.00 | 31.54 1.26 0.00 | 34.91 1.36 0.00 | 39.79 1.52 0.00 | 48.76 2.14 0.00 | 80.95 4.14 0.00 | 95.78 4.92 0.00 | 160.34 8.55 0.00 | 126.13 6.79 0.00 | 68.12 3.76 0.00 | 65.29 3.63 0.00 | 59.66 3.48 0.00 | 67.74 4.04 0.00 | 73.66 4.35 0.00 | 68.24 3.95 0.00 | 66.34 3.63 0.00 | 61.52 3.33 0.00 | 89.95 4.68 0.00 | 64.64 3.46 0.00 | 48.98 2.50 0.00 | 44.65 2.09 0.00 | 44.57 1.92 0.00 |
| POLETTI___ 23519 | 50.58 1.86 0.00 | 38.46 1.40 0.00 | 34.49 1.36 0.00 | 31.55 1.28 0.00 | 34.93 1.37 0.00 | 39.81 1.55 0.00 | 48.79 2.17 0.00 | 81.10 4.29 0.00 | 95.73 4.87 0.00 | 160.41 8.62 0.00 | 126.02 6.68 0.00 | 68.10 3.74 0.00 | 65.28 3.62 0.00 | 59.72 3.55 0.00 | 67.90 4.20 0.00 | 73.85 4.54 0.00 | 68.39 4.10 0.00 | 66.37 3.66 0.00 | 61.41 3.22 0.00 | 89.78 4.51 0.00 | 64.62 3.44 0.00 | 48.99 2.51 0.00 | 44.60 2.04 0.00 | 44.52 1.87 0.00 |
| POMONA___ESR 323819 | 50.24 1.51 0.00 | 38.17 1.11 0.00 | 34.17 1.06 0.00 | 31.26 0.98 0.00 | 34.64 1.09 0.00 | 39.51 1.24 0.00 | 48.40 1.79 0.00 | 80.40 3.59 0.00 | 94.89 4.03 0.00 | 158.78 6.99 0.00 | 124.98 5.64 0.00 | 67.47 3.11 0.00 | 64.70 3.04 0.00 | 59.17 2.99 0.00 | 67.24 3.54 0.00 | 73.14 3.83 0.00 | 67.75 3.47 0.00 | 65.80 3.10 0.00 | 60.93 2.74 0.00 | 89.17 3.89 0.00 | 64.07 2.90 0.00 | 48.56 2.09 0.00 | 44.25 1.69 0.00 | 44.22 1.57 0.00 |
| PORT_JEFF_3 23555 | 52.72 3.23 -0.75 | 60.10 2.61 -20.43 | 35.50 2.38 0.00 | 32.46 2.19 0.00 | 35.82 2.27 0.00 | 40.76 2.49 0.00 | 49.91 3.29 0.00 | 81.41 4.60 0.00 | 97.19 5.86 -0.47 | 369.72 11.46 -206.47 | 160.73 8.06 -33.33 | 68.87 4.51 0.00 | 65.98 4.28 -0.04 | 60.61 4.33 -0.11 | 69.87 5.09 -1.07 | 74.97 5.60 -0.07 | 70.11 5.06 -0.77 | 67.81 4.93 -0.17 | 62.26 4.07 0.00 | 90.48 5.11 -0.09 | 66.99 4.40 -1.42 | 52.84 3.49 -2.88 | 65.46 3.21 -19.69 | 87.10 3.09 -41.36 |

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| PORT_JEFF_4 23616 | 52.59 3.11 -0.75 | 60.02 2.53 -20.43 | 35.43 2.31 0.00 | 32.40 2.13 0.00 | 35.75 2.20 0.00 | 40.67 2.41 0.00 | 49.79 3.17 0.00 | 81.12 4.31 0.00 | 96.86 5.53 -0.47 | 369.23 10.96 -206.47 | 160.50 7.82 -33.33 | 68.61 4.25 0.00 | 65.73 4.03 -0.04 | 60.38 4.09 -0.11 | 69.57 4.85 -1.03 | 74.69 5.32 -0.06 | 69.81 4.79 -0.74 | 67.51 4.63 -0.16 | 62.01 3.82 0.00 | 90.33 4.97 -0.08 | 66.67 4.13 -1.36 | 52.61 3.29 -2.85 | 65.31 3.07 -19.67 | 86.98 2.97 -41.36 |
| PORT_JEFF_IC 23713 | 52.69 3.20 -0.75 | 60.08 2.59 -20.43 | 35.48 2.36 0.00 | 32.45 2.17 0.00 | 35.81 2.26 0.00 | 40.73 2.46 0.00 | 49.88 3.26 0.00 | 81.34 4.53 0.00 | 97.14 5.81 -0.47 | 369.61 11.34 -206.47 | 160.61 7.94 -33.33 | 68.82 4.46 0.00 | 65.94 4.24 -0.04 | 60.56 4.28 -0.11 | 69.82 5.04 -1.07 | 74.95 5.57 -0.07 | 70.07 5.02 -0.77 | 67.74 4.86 -0.17 | 62.20 4.01 0.00 | 90.40 5.04 -0.09 | 66.97 4.37 -1.42 | 52.79 3.43 -2.88 | 65.43 3.17 -19.69 | 87.06 3.05 -41.36 |
| PPL PILGRIM_ST_GT1 24216 | 52.76 3.28 -0.75 | 60.09 2.59 -20.43 | 35.48 2.36 0.00 | 32.44 2.16 0.00 | 35.82 2.27 0.00 | 40.78 2.51 0.00 | 49.93 3.31 0.00 | 81.82 5.01 0.00 | 97.68 6.36 -0.47 | 370.71 12.44 -206.47 | 161.74 9.06 -33.33 | 69.17 4.81 0.00 | 66.27 4.57 -0.04 | 60.90 4.59 -0.13 | 70.34 5.42 -1.22 | 75.32 5.94 -0.08 | 70.44 5.28 -0.87 | 67.85 4.95 -0.19 | 62.31 4.12 0.00 | 90.85 5.48 -0.10 | 67.37 4.58 -1.61 | 53.13 3.66 -2.99 | 65.59 3.27 -19.75 | 87.12 3.11 -41.36 |
| PPL PILGRIM_ST_GT2 24217 | 52.76 3.28 -0.75 | 60.09 2.59 -20.43 | 35.48 2.36 0.00 | 32.44 2.16 0.00 | 35.82 2.27 0.00 | 40.78 2.51 0.00 | 49.93 3.31 0.00 | 81.82 5.01 0.00 | 97.68 6.36 -0.47 | 370.71 12.44 -206.47 | 161.74 9.06 -33.33 | 69.17 4.81 0.00 | 66.27 4.57 -0.04 | 60.90 4.59 -0.13 | 70.34 5.42 -1.22 | 75.32 5.94 -0.08 | 70.44 5.28 -0.87 | 67.85 4.95 -0.19 | 62.31 4.12 0.00 | 90.85 5.48 -0.10 | 67.37 4.58 -1.61 | 53.13 3.66 -2.99 | 65.59 3.27 -19.75 | 87.12 3.11 -41.36 |
| PPL_SHRM_GT3 24213 | 52.42 2.94 -0.75 | 60.11 2.62 -20.43 | 35.53 2.40 0.00 | 32.50 2.22 0.00 | 35.82 2.27 0.00 | 40.72 2.46 0.00 | 49.82 3.20 0.00 | 80.09 3.28 0.00 | 95.59 4.27 -0.47 | 367.22 8.95 -206.47 | 158.98 6.30 -33.33 | 67.74 3.38 0.00 | 64.86 3.16 -0.04 | 59.60 3.32 -0.11 | 68.72 3.97 -1.05 | 73.77 4.40 -0.07 | 68.96 3.93 -0.75 | 66.70 3.83 -0.17 | 61.29 3.10 0.00 | 89.50 4.14 -0.08 | 65.99 3.43 -1.38 | 52.07 2.73 -2.86 | 65.12 2.88 -19.68 | 86.96 2.95 -41.36 |
| PPL_SHRM_GT4 24214 | 52.42 2.94 -0.75 | 60.11 2.62 -20.43 | 35.53 2.40 0.00 | 32.50 2.22 0.00 | 35.82 2.27 0.00 | 40.72 2.46 0.00 | 49.82 3.20 0.00 | 80.09 3.28 0.00 | 95.59 4.27 -0.47 | 367.22 8.95 -206.47 | 158.98 6.30 -33.33 | 67.74 3.38 0.00 | 64.86 3.16 -0.04 | 59.60 3.32 -0.11 | 68.72 3.97 -1.05 | 73.77 4.40 -0.07 | 68.96 3.93 -0.75 | 66.70 3.83 -0.17 | 61.29 3.10 0.00 | 89.50 4.14 -0.08 | 65.99 3.43 -1.38 | 52.07 2.73 -2.86 | 65.12 2.88 -19.68 | 86.96 2.95 -41.36 |
| PROJECT___ORANGE 1 24174 | 47.90 -0.83 0.00 | 36.43 -0.63 0.00 | 32.58 -0.54 0.00 | 29.80 -0.48 0.00 | 33.06 -0.49 0.00 | 37.72 -0.55 0.00 | 45.98 -0.64 0.00 | 75.56 -1.25 0.00 | 89.52 -1.34 0.00 | 149.56 -2.24 0.00 | 117.36 -1.98 0.00 | 63.22 -1.14 0.00 | 60.53 -1.13 0.00 | 55.03 -1.14 0.00 | 62.25 -1.45 0.00 | 67.85 -1.45 0.00 | 62.99 -1.29 0.00 | 61.51 -1.20 0.00 | 57.09 -1.10 0.00 | 83.82 -1.48 -0.03 | 60.27 -0.91 0.00 | 45.91 -0.57 0.00 | 42.10 -0.46 0.00 | 42.10 -0.56 0.00 |
| PROJECT___ORANGE 2 24166 | 47.90 -0.83 0.00 | 36.43 -0.63 0.00 | 32.58 -0.54 0.00 | 29.80 -0.48 0.00 | 33.06 -0.49 0.00 | 37.72 -0.55 0.00 | 45.98 -0.64 0.00 | 75.56 -1.25 0.00 | 89.52 -1.34 0.00 | 149.56 -2.24 0.00 | 117.36 -1.98 0.00 | 63.22 -1.14 0.00 | 60.53 -1.13 0.00 | 55.03 -1.14 0.00 | 62.25 -1.45 0.00 | 67.85 -1.45 0.00 | 62.99 -1.29 0.00 | 61.51 -1.20 0.00 | 57.09 -1.10 0.00 | 83.82 -1.48 -0.03 | 60.27 -0.91 0.00 | 45.91 -0.57 0.00 | 42.10 -0.46 0.00 | 42.10 -0.56 0.00 |
| PUCKETT___SOLAR 323809 | 48.29 -0.44 0.00 | 36.48 -0.58 0.00 | 32.56 -0.56 0.00 | 29.80 -0.48 0.00 | 33.08 -0.47 0.00 | 37.82 -0.45 0.00 | 46.33 -0.29 0.00 | 76.43 -0.38 0.00 | 90.60 -0.26 0.00 | 151.54 -0.25 0.00 | 118.87 -0.51 -0.04 | 64.64 -0.36 -0.64 | 62.65 -0.33 -1.32 | 58.38 -0.30 -2.51 | 62.84 -0.59 0.28 | 66.57 -0.68 2.06 | 62.46 -0.35 1.48 | 61.99 -0.28 0.44 | 57.49 -0.29 0.42 | 81.91 -0.28 3.08 | 61.47 0.44 0.15 | 46.81 0.33 0.00 | 42.80 0.24 0.00 | 42.71 0.06 0.00 |
| PYRITES___HYD 24023 | 49.97 1.24 0.00 | 37.93 0.87 0.00 | 33.78 0.66 0.00 | 30.75 0.47 0.00 | 34.15 0.60 0.00 | 39.19 0.92 0.00 | 47.99 1.37 0.00 | 78.90 2.09 0.00 | 93.02 2.16 0.00 | 167.52 3.15 -12.58 | 142.99 2.10 -21.55 | 78.32 0.52 -13.44 | 66.07 0.01 -4.40 | 55.84 -0.33 0.00 | 63.92 0.22 0.00 | 69.98 0.67 0.00 | 65.42 1.13 0.00 | 63.39 0.68 0.00 | 59.05 0.86 0.00 | 88.24 1.94 -1.02 | 62.12 0.94 0.00 | 47.05 0.51 -0.06 | 52.88 0.33 -9.98 | 48.84 0.36 -5.83 |
| QUAKERRD_115KV_BK1 80622 | 45.86 -2.87 0.00 | 34.67 -2.22 0.17 | 30.96 -2.02 0.14 | 28.41 -1.87 0.00 | 31.64 -1.91 0.00 | 36.35 -1.93 0.00 | 44.14 -2.48 0.00 | 72.15 -4.67 0.00 | 85.49 -5.36 0.00 | 143.06 -8.73 0.00 | 108.94 -7.30 3.10 | 58.83 -4.23 1.30 | 54.87 -4.13 2.67 | 47.26 -3.85 5.07 | 59.56 -4.63 -0.49 | 68.27 -4.97 -3.93 | 62.30 -4.53 -2.54 | 52.76 -4.09 5.86 | 49.00 -3.76 5.44 | 83.54 -5.32 -3.59 | 57.34 -3.53 0.30 | 39.99 -2.57 3.92 | 40.24 -2.24 0.09 | 40.28 -2.37 0.00 |
| QUEENSBRY_115KV_TB8 356137 | 51.94 3.22 0.00 | 39.47 2.41 0.00 | 35.29 2.17 0.00 | 32.14 1.86 0.00 | 35.45 1.90 0.00 | 40.14 1.87 0.00 | 48.82 2.20 0.00 | 80.91 4.10 0.00 | 96.11 5.25 0.00 | 160.37 8.57 0.00 | 125.82 6.48 0.00 | 67.89 3.53 0.00 | 65.10 3.44 0.00 | 59.35 3.17 0.00 | 67.33 3.63 0.00 | 73.17 3.86 0.00 | 67.58 3.30 0.00 | 66.11 3.40 0.00 | 61.47 3.28 0.00 | 89.93 4.65 0.00 | 64.25 3.07 0.00 | 48.61 2.13 0.00 | 44.60 2.03 0.00 | 45.33 2.68 0.00 |
| RAMAPO___LBMP 323565 | 50.02 1.29 0.00 | 37.99 0.94 0.00 | 34.03 0.91 0.00 | 31.14 0.86 0.00 | 34.50 0.94 0.00 | 39.35 1.08 0.00 | 48.17 1.55 0.00 | 79.99 3.18 0.00 | 94.39 3.54 0.00 | 157.93 6.13 0.00 | 124.29 4.94 0.00 | 67.12 2.76 0.00 | 64.35 2.69 0.00 | 58.84 2.66 0.00 | 66.87 3.17 0.00 | 72.77 3.46 0.00 | 67.41 3.12 0.00 | 65.44 2.73 0.00 | 60.62 2.44 0.00 | 88.74 3.47 0.00 | 63.77 2.59 0.00 | 48.33 1.85 0.00 | 44.03 1.47 0.00 | 44.01 1.36 0.00 |
| RANKINE____ 23646 | 40.58 -3.46 4.69 | 28.80 -2.79 5.47 | 25.38 -2.61 5.13 | 22.81 -2.51 4.96 | 25.81 -2.46 5.28 | 32.09 -2.26 3.91 | 37.00 -3.14 6.48 | 60.39 -6.37 10.05 | 72.85 -6.90 11.11 | 125.88 -10.70 15.21 | 93.86 -9.26 16.22 | 49.62 -5.35 9.40 | 45.30 -5.06 11.30 | 37.41 -4.61 14.15 | 42.71 -5.80 15.20 | 43.75 -6.21 19.34 | 42.39 -5.85 16.05 | 36.84 -5.33 20.53 | 33.50 -5.17 19.52 | 48.49 -7.70 29.08 | 45.46 -5.11 10.60 | 29.56 -3.58 13.33 | 32.83 -3.05 6.68 | 32.87 -3.21 6.58 |
| RAVENSWOOD_GT2_1 24244 | 50.76 2.03 0.00 | 38.57 1.51 0.00 | 34.57 1.45 0.00 | 31.63 1.36 0.00 | 35.02 1.47 0.00 | 39.94 1.67 0.00 | 48.94 2.32 0.00 | 81.30 4.48 0.00 | 95.93 5.07 0.00 | 160.72 8.93 0.00 | 126.32 6.97 0.00 | 68.24 3.88 0.00 | 65.42 3.76 0.00 | 59.84 3.66 0.00 | 68.04 4.34 0.00 | 73.99 4.68 0.00 | 68.52 4.24 0.00 | 66.50 3.79 0.00 | 61.53 3.34 0.00 | 89.97 4.70 0.00 | 64.77 3.59 0.00 | 49.10 2.62 0.00 | 44.72 2.15 0.00 | 44.65 2.00 0.00 |

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| RAVENSWOOD_GT2_2 24245 | 50.76 2.03 0.00 | 38.57 1.51 0.00 | 34.57 1.45 0.00 | 31.63 1.36 0.00 | 35.02 1.47 0.00 | 39.94 1.67 0.00 | 48.94 2.32 0.00 | 81.30 4.48 0.00 | 95.93 5.07 0.00 | 160.72 8.93 0.00 | 126.32 6.97 0.00 | 68.24 3.88 0.00 | 65.42 3.76 0.00 | 59.84 3.66 0.00 | 68.04 4.34 0.00 | 73.99 4.68 0.00 | 68.52 4.24 0.00 | 66.50 3.79 0.00 | 61.53 3.34 0.00 | 89.97 4.70 0.00 | 64.77 3.59 0.00 | 49.10 2.62 0.00 | 44.72 2.15 0.00 | 44.65 2.00 0.00 |
| RAVENSWOOD_GT2_3 24246 | 50.77 2.05 0.00 | 38.59 1.53 0.00 | 34.58 1.46 0.00 | 31.64 1.37 0.00 | 35.03 1.48 0.00 | 39.94 1.67 0.00 | 48.97 2.35 0.00 | 81.33 4.52 0.00 | 95.99 5.13 0.00 | 160.80 9.01 0.00 | 126.37 7.03 0.00 | 68.28 3.92 0.00 | 65.46 3.81 0.00 | 59.88 3.70 0.00 | 68.07 4.37 0.00 | 74.02 4.72 0.00 | 68.56 4.27 0.00 | 66.54 3.83 0.00 | 61.57 3.38 0.00 | 90.03 4.76 0.00 | 64.79 3.62 0.00 | 49.13 2.65 0.00 | 44.73 2.17 0.00 | 44.66 2.01 0.00 |
| RAVENSWOOD_GT2_4 24247 | 50.77 2.05 0.00 | 38.59 1.53 0.00 | 34.58 1.46 0.00 | 31.64 1.37 0.00 | 35.03 1.48 0.00 | 39.94 1.67 0.00 | 48.97 2.35 0.00 | 81.33 4.52 0.00 | 95.99 5.13 0.00 | 160.80 9.01 0.00 | 126.37 7.03 0.00 | 68.28 3.92 0.00 | 65.46 3.81 0.00 | 59.88 3.70 0.00 | 68.07 4.37 0.00 | 74.02 4.72 0.00 | 68.56 4.27 0.00 | 66.54 3.83 0.00 | 61.57 3.38 0.00 | 90.03 4.76 0.00 | 64.79 3.62 0.00 | 49.13 2.65 0.00 | 44.73 2.17 0.00 | 44.66 2.01 0.00 |
| RAVENSWOOD_GT3_1 24248 | 50.76 2.03 0.00 | 38.57 1.51 0.00 | 34.57 1.45 0.00 | 31.63 1.36 0.00 | 35.02 1.47 0.00 | 39.94 1.67 0.00 | 48.94 2.32 0.00 | 81.30 4.48 0.00 | 95.95 5.09 0.00 | 160.72 8.93 0.00 | 126.32 6.97 0.00 | 68.24 3.88 0.00 | 65.42 3.76 0.00 | 59.84 3.66 0.00 | 68.04 4.34 0.00 | 73.99 4.68 0.00 | 68.54 4.25 0.00 | 66.50 3.79 0.00 | 61.54 3.35 0.00 | 89.97 4.70 0.00 | 64.77 3.60 0.00 | 49.10 2.62 0.00 | 44.72 2.15 0.00 | 44.65 2.00 0.00 |
| RAVENSWOOD_GT3_2 24249 | 50.76 2.03 0.00 | 38.57 1.51 0.00 | 34.57 1.45 0.00 | 31.63 1.36 0.00 | 35.02 1.47 0.00 | 39.94 1.67 0.00 | 48.94 2.32 0.00 | 81.30 4.48 0.00 | 95.95 5.09 0.00 | 160.72 8.93 0.00 | 126.32 6.97 0.00 | 68.24 3.88 0.00 | 65.42 3.76 0.00 | 59.84 3.66 0.00 | 68.04 4.34 0.00 | 73.99 4.68 0.00 | 68.54 4.25 0.00 | 66.50 3.79 0.00 | 61.54 3.35 0.00 | 89.97 4.70 0.00 | 64.77 3.60 0.00 | 49.10 2.62 0.00 | 44.72 2.15 0.00 | 44.65 2.00 0.00 |
| RAVENSWOOD_GT3_3 24250 | 50.82 2.09 0.00 | 38.62 1.56 0.00 | 34.61 1.49 0.00 | 31.67 1.39 0.00 | 35.06 1.51 0.00 | 39.98 1.71 0.00 | 49.01 2.39 0.00 | 81.40 4.59 0.00 | 96.09 5.24 0.00 | 160.98 9.18 0.00 | 126.53 7.19 0.00 | 68.36 4.00 0.00 | 65.53 3.87 0.00 | 59.94 3.77 0.00 | 68.14 4.44 0.00 | 74.12 4.81 0.00 | 68.63 4.34 0.00 | 66.62 3.91 0.00 | 61.64 3.46 0.00 | 90.12 4.85 0.00 | 64.85 3.68 0.00 | 49.18 2.70 0.00 | 44.78 2.22 0.00 | 44.70 2.05 0.00 |
| RAVENSWOOD_GT3_4 24251 | 50.82 2.09 0.00 | 38.62 1.56 0.00 | 34.61 1.49 0.00 | 31.67 1.39 0.00 | 35.06 1.51 0.00 | 39.98 1.71 0.00 | 49.01 2.39 0.00 | 81.40 4.59 0.00 | 96.09 5.24 0.00 | 160.98 9.18 0.00 | 126.53 7.19 0.00 | 68.36 4.00 0.00 | 65.53 3.87 0.00 | 59.94 3.77 0.00 | 68.14 4.44 0.00 | 74.12 4.81 0.00 | 68.63 4.34 0.00 | 66.62 3.91 0.00 | 61.64 3.46 0.00 | 90.12 4.85 0.00 | 64.85 3.68 0.00 | 49.18 2.70 0.00 | 44.78 2.22 0.00 | 44.70 2.05 0.00 |
| RAVENSWOOD_GT_1 23729 | 52.19 2.27 -1.19 | 42.29 1.70 -3.53 | 38.99 1.63 -4.24 | 36.48 1.51 -4.69 | 39.34 1.64 -4.15 | 43.41 1.87 -3.27 | 50.79 2.58 -1.59 | 87.39 4.91 -5.66 | 114.79 5.61 -18.32 | 164.23 9.80 -2.63 | 128.32 7.60 -1.38 | 74.44 4.23 -5.86 | 72.18 4.09 -6.44 | 70.20 3.99 -10.04 | 76.29 4.69 -7.91 | 82.11 5.07 -7.74 | 77.56 4.59 -8.68 | 73.05 4.10 -6.24 | 69.09 3.64 -7.27 | 92.67 5.10 -2.29 | 71.70 3.91 -6.61 | 59.15 2.88 -9.79 | 51.59 2.36 -6.66 | 47.42 2.23 -2.53 |
| RAVENSWOOD_GT_10 24258 | 50.88 2.02 -0.14 | 38.98 1.51 -0.41 | 35.06 1.45 -0.49 | 32.17 1.35 -0.54 | 35.50 1.46 -0.48 | 40.30 1.65 -0.38 | 49.12 2.31 -0.18 | 81.05 4.48 0.24 | 94.47 5.06 1.45 | 160.49 8.91 0.21 | 126.47 6.97 -0.16 | 68.91 3.88 -0.68 | 66.15 3.75 -0.74 | 60.41 3.65 -0.58 | 68.47 4.33 -0.44 | 74.25 4.67 -0.27 | 68.90 4.23 -0.38 | 67.22 3.79 -0.72 | 62.37 3.34 -0.84 | 90.22 4.69 -0.27 | 65.51 3.57 -0.76 | 50.22 2.62 -1.13 | 45.48 2.15 -0.77 | 44.93 1.99 -0.29 |
| RAVENSWOOD_GT_11 24259 | 50.88 2.02 -0.14 | 38.98 1.51 -0.41 | 35.06 1.45 -0.49 | 32.17 1.35 -0.54 | 35.50 1.46 -0.48 | 40.30 1.65 -0.38 | 49.12 2.31 -0.18 | 81.05 4.48 0.24 | 94.47 5.06 1.45 | 160.49 8.91 0.21 | 126.47 6.97 -0.16 | 68.91 3.88 -0.68 | 66.15 3.75 -0.74 | 60.41 3.65 -0.58 | 68.47 4.33 -0.44 | 74.25 4.67 -0.27 | 68.90 4.23 -0.38 | 67.22 3.79 -0.72 | 62.37 3.34 -0.84 | 90.22 4.69 -0.27 | 65.51 3.57 -0.76 | 50.22 2.62 -1.13 | 45.48 2.15 -0.77 | 44.93 1.99 -0.29 |
| RAVENSWOOD_GT_4 24252 | 51.64 2.01 -0.91 | 41.24 1.50 -2.69 | 37.77 1.42 -3.23 | 35.18 1.33 -3.57 | 38.15 1.44 -3.16 | 42.40 1.64 -2.49 | 50.12 2.29 -1.21 | 79.64 4.42 1.59 | 86.30 5.02 9.58 | 159.26 8.85 1.38 | 127.30 6.91 -1.05 | 72.66 3.84 -4.46 | 70.28 3.72 -4.89 | 63.64 3.64 -3.83 | 70.92 4.30 -2.92 | 75.75 4.64 -1.81 | 70.97 4.19 -2.50 | 71.21 3.75 -4.75 | 67.04 3.32 -5.53 | 91.70 4.67 -1.75 | 69.75 3.55 -5.03 | 56.52 2.60 -7.45 | 49.75 2.12 -5.07 | 46.53 1.96 -1.92 |
| RAVENSWOOD_GT_5 24254 | 51.64 2.01 -0.91 | 41.24 1.50 -2.69 | 37.77 1.42 -3.23 | 35.18 1.33 -3.57 | 38.15 1.44 -3.16 | 42.40 1.64 -2.49 | 50.12 2.29 -1.21 | 79.64 4.42 1.59 | 86.30 5.02 9.58 | 159.26 8.85 1.38 | 127.30 6.91 -1.05 | 72.66 3.84 -4.46 | 70.28 3.72 -4.89 | 63.64 3.64 -3.83 | 70.92 4.30 -2.92 | 75.75 4.64 -1.81 | 70.97 4.19 -2.50 | 71.21 3.75 -4.75 | 67.04 3.32 -5.53 | 91.70 4.67 -1.75 | 69.75 3.55 -5.03 | 56.52 2.60 -7.45 | 49.75 2.12 -5.07 | 46.53 1.96 -1.92 |
| RAVENSWOOD_GT_6 24253 | 51.64 2.01 -0.91 | 41.24 1.50 -2.69 | 37.77 1.42 -3.23 | 35.18 1.33 -3.57 | 38.15 1.44 -3.16 | 42.40 1.64 -2.49 | 50.12 2.29 -1.21 | 79.64 4.42 1.59 | 86.30 5.02 9.58 | 159.26 8.85 1.38 | 127.30 6.91 -1.05 | 72.66 3.84 -4.46 | 70.28 3.72 -4.89 | 63.64 3.64 -3.83 | 70.92 4.30 -2.92 | 75.75 4.64 -1.81 | 70.97 4.19 -2.50 | 71.21 3.75 -4.75 | 67.04 3.32 -5.53 | 91.70 4.67 -1.75 | 69.75 3.55 -5.03 | 56.52 2.60 -7.45 | 49.75 2.12 -5.07 | 46.53 1.96 -1.92 |
| RAVENSWOOD_GT_7 24255 | 51.64 2.01 -0.91 | 41.24 1.50 -2.69 | 37.77 1.42 -3.23 | 35.18 1.33 -3.57 | 38.15 1.44 -3.16 | 42.40 1.64 -2.49 | 50.12 2.29 -1.21 | 79.64 4.42 1.59 | 86.30 5.02 9.58 | 159.26 8.85 1.38 | 127.30 6.91 -1.05 | 72.66 3.84 -4.46 | 70.28 3.72 -4.89 | 63.64 3.64 -3.83 | 70.92 4.30 -2.92 | 75.75 4.64 -1.81 | 70.97 4.19 -2.50 | 71.21 3.75 -4.75 | 67.04 3.32 -5.53 | 91.70 4.67 -1.75 | 69.75 3.55 -5.03 | 56.52 2.60 -7.45 | 49.75 2.12 -5.07 | 46.53 1.96 -1.92 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 50.88 2.02 -0.14 | 38.98 1.51 -0.41 | 35.06 1.45 -0.49 | 32.17 1.35 -0.54 | 35.50 1.46 -0.48 | 40.30 1.65 -0.38 | 49.12 2.31 -0.18 | 81.05 4.48 0.24 | 94.47 5.06 1.45 | 160.49 8.91 0.21 | 126.47 6.97 -0.16 | 68.91 3.88 -0.68 | 66.15 3.75 -0.74 | 60.41 3.65 -0.58 | 68.47 4.33 -0.44 | 74.25 4.67 -0.27 | 68.90 4.23 -0.38 | 67.22 3.79 -0.72 | 62.37 3.34 -0.84 | 90.22 4.69 -0.27 | 65.51 3.57 -0.76 | 50.22 2.62 -1.13 | 45.48 2.15 -0.77 | 44.93 1.99 -0.29 |

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|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|
| RAVENSWOOD_GT_9 24257 | 50.88 2.02 -0.14 | 38.98 1.51 -0.41 | 35.06 1.45 -0.49 | 32.17 1.35 -0.54 | 35.50 1.46 -0.48 | 40.30 1.65 -0.38 | 49.12 2.31 -0.18 | 81.05 4.48 0.24 | 94.47 5.06 1.45 | 160.49 8.91 0.21 | 126.47 6.97 -0.16 | 68.91 3.88 -0.68 | 66.15 3.75 -0.74 | 60.41 3.65 -0.58 | 68.47 4.33 -0.44 | 74.25 4.67 -0.27 | 68.90 4.23 -0.38 | 67.22 3.79 -0.72 | 62.37 3.34 -0.84 | 90.22 4.69 -0.27 | 65.51 3.57 -0.76 | 50.22 2.62 -1.13 | 45.48 2.15 -0.77 | 44.93 1.99 -0.29 |
| RAVENSWOOD___1 23533 | 49.72 2.17 1.17 | 35.22 1.63 3.47 | 30.51 1.56 4.17 | 27.13 1.46 4.60 | 31.05 1.58 4.08 | 36.84 1.79 3.22 | 47.55 2.49 1.56 | 83.65 4.78 -2.06 | 108.67 5.43 -12.39 | 162.99 9.41 -1.78 | 125.35 7.37 1.36 | 62.70 4.10 5.76 | 59.29 3.96 6.33 | 55.10 3.87 4.95 | 64.47 4.54 3.78 | 71.86 4.89 2.34 | 65.51 4.46 3.23 | 60.55 3.98 6.14 | 54.57 3.53 7.16 | 87.94 4.92 2.26 | 58.45 3.77 6.50 | 39.64 2.79 9.63 | 38.29 2.29 6.56 | 42.32 2.15 2.48 |
| RAVENSWOOD___2 23534 | 49.72 2.17 1.17 | 35.22 1.63 3.47 | 30.51 1.56 4.17 | 27.13 1.46 4.60 | 31.05 1.58 4.08 | 36.84 1.79 3.22 | 47.55 2.49 1.56 | 83.65 4.78 -2.06 | 108.67 5.43 -12.39 | 162.99 9.41 -1.78 | 125.35 7.37 1.36 | 62.70 4.10 5.76 | 59.29 3.96 6.33 | 55.10 3.87 4.95 | 64.47 4.54 3.78 | 71.86 4.89 2.34 | 65.51 4.46 3.23 | 60.55 3.98 6.14 | 54.57 3.53 7.16 | 87.94 4.92 2.26 | 58.45 3.77 6.50 | 39.64 2.79 9.63 | 38.29 2.29 6.56 | 42.32 2.15 2.48 |
| RAVENSWOOD___3 23535 | 50.76 2.03 0.00 | 38.58 1.52 0.00 | 34.56 1.44 0.00 | 31.62 1.35 0.00 | 35.01 1.46 0.00 | 39.93 1.66 0.00 | 48.93 2.31 0.00 | 81.29 4.48 0.00 | 95.93 5.07 0.00 | 160.67 8.87 0.00 | 126.30 6.96 0.00 | 68.24 3.88 0.00 | 65.42 3.76 0.00 | 59.85 3.67 0.00 | 68.02 4.32 0.00 | 73.98 4.68 0.00 | 68.50 4.22 0.00 | 66.51 3.80 0.00 | 61.53 3.34 0.00 | 89.96 4.69 0.00 | 64.74 3.56 0.00 | 49.11 2.63 0.00 | 44.72 2.16 0.00 | 44.65 2.00 0.00 |
| RAVENSWOOD___4 23820 | 49.72 2.17 1.17 | 35.22 1.63 3.47 | 30.51 1.56 4.17 | 27.13 1.46 4.60 | 31.05 1.58 4.08 | 36.84 1.79 3.22 | 47.55 2.49 1.56 | 83.65 4.78 -2.06 | 108.67 5.43 -12.39 | 162.99 9.41 -1.78 | 125.35 7.37 1.36 | 62.70 4.10 5.76 | 59.29 3.96 6.33 | 55.10 3.87 4.95 | 64.47 4.54 3.78 | 71.86 4.89 2.34 | 65.51 4.46 3.23 | 60.55 3.98 6.14 | 54.57 3.53 7.16 | 87.94 4.92 2.26 | 58.45 3.77 6.50 | 39.64 2.79 9.63 | 38.29 2.29 6.56 | 42.32 2.15 2.48 |
| RCPL_TRUST___DRP 24196 | 50.76 2.04 0.00 | 38.60 1.53 0.00 | 34.76 1.64 0.00 | 31.72 1.44 0.00 | 35.11 1.56 0.00 | 39.92 1.65 0.00 | 48.91 2.28 0.00 | 81.24 4.43 0.00 | 95.84 4.98 0.00 | 160.57 8.78 0.00 | 126.20 6.86 0.00 | 68.17 3.81 0.00 | 65.36 3.70 0.00 | 59.78 3.60 0.00 | 67.97 4.27 0.00 | 73.91 4.61 0.00 | 68.45 4.17 0.00 | 66.43 3.72 0.00 | 61.47 3.28 0.00 | 89.87 4.60 0.00 | 64.71 3.53 0.00 | 49.05 2.58 0.00 | 44.67 2.10 0.00 | 44.58 1.93 0.00 |
| RED___ROCHESTER 323720 | 46.78 -1.95 0.00 | 35.32 -1.55 0.19 | 31.52 -1.44 0.16 | 28.92 -1.36 0.00 | 32.25 -1.30 0.00 | 37.11 -1.16 0.00 | 45.03 -1.59 0.00 | 71.40 -3.54 1.88 | 83.64 -4.12 3.10 | 141.17 -6.38 4.25 | 107.09 -5.70 6.55 | 57.51 -3.35 3.50 | 53.39 -3.31 4.97 | 45.68 -3.10 7.39 | 49.38 -3.80 10.53 | 48.15 -4.01 17.15 | 47.67 -3.69 12.92 | 46.97 -3.20 12.54 | 43.37 -2.99 11.84 | 54.50 -4.02 26.76 | 54.46 -2.48 4.23 | 38.33 -1.84 6.30 | 39.09 -1.53 1.95 | 39.07 -1.72 1.86 |
| REGAN___SOLAR 323812 | 51.28 2.55 0.00 | 38.96 1.90 0.00 | 34.79 1.67 0.00 | 31.76 1.48 0.00 | 35.26 1.71 0.00 | 40.36 2.09 0.00 | 49.43 2.81 0.00 | 81.87 5.06 0.00 | 96.91 6.06 0.00 | 161.96 10.17 0.00 | 127.12 7.78 0.00 | 68.42 4.06 0.00 | 65.21 3.55 0.00 | 59.21 3.04 0.00 | 66.96 3.26 0.00 | 72.23 2.93 0.00 | 65.39 1.11 0.00 | 64.52 1.81 0.00 | 61.54 3.34 0.00 | 90.93 5.66 0.00 | 65.25 4.07 0.00 | 49.42 2.94 0.00 | 45.07 2.50 0.00 | 45.03 2.38 0.00 |
| RENSSELAER___COGEN 23796 | 49.45 0.73 0.00 | 37.71 0.65 0.00 | 33.77 0.65 0.00 | 30.95 0.67 0.00 | 34.19 0.63 0.00 | 38.90 0.64 0.00 | 47.47 0.85 0.00 | 78.64 1.83 0.00 | 93.02 2.16 0.00 | 155.27 3.48 0.00 | 122.45 3.11 0.00 | 66.11 1.75 0.00 | 63.38 1.72 0.00 | 57.81 1.64 0.00 | 65.61 1.91 0.00 | 71.26 1.95 0.00 | 65.98 1.69 0.00 | 64.25 1.55 0.00 | 59.68 1.49 0.00 | 87.19 1.91 0.00 | 62.60 1.43 0.00 | 47.51 1.03 0.00 | 43.49 0.92 0.00 | 43.62 0.97 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 54.03 5.30 0.00 | 41.00 3.94 0.00 | 36.58 3.46 0.00 | 33.40 3.12 0.00 | 36.87 3.31 0.00 | 41.86 3.59 0.00 | 50.82 4.20 0.00 | 84.34 7.53 0.00 | 100.67 9.81 0.00 | 167.19 15.40 0.00 | 130.83 11.49 0.00 | 70.51 6.15 0.00 | 67.62 5.96 0.00 | 61.79 5.61 0.00 | 69.94 6.24 0.00 | 76.07 6.77 0.00 | 70.14 5.86 0.00 | 69.12 6.41 0.00 | 64.34 6.15 0.00 | 94.33 9.06 0.00 | 67.03 5.86 0.00 | 50.47 3.99 0.00 | 46.60 4.04 0.00 | 46.96 4.31 0.00 |
| REVERE_CPPR_DRP 24186 | 49.77 1.05 0.00 | 37.75 0.69 0.00 | 33.69 0.56 0.00 | 30.73 0.46 0.00 | 34.15 0.60 0.00 | 39.17 0.90 0.00 | 48.01 1.39 0.00 | 79.09 2.28 0.00 | 93.79 2.93 0.00 | 156.76 4.96 0.00 | 123.02 3.67 0.00 | 66.23 1.87 0.00 | 63.55 1.90 0.00 | 57.84 1.66 0.00 | 65.28 1.57 0.00 | 70.62 1.32 0.00 | 65.98 1.69 0.00 | 64.86 2.16 0.00 | 60.21 2.02 0.00 | 88.58 3.22 -0.09 | 63.35 2.18 0.00 | 48.05 1.57 0.00 | 43.77 1.21 0.00 | 43.74 1.09 0.00 |
| REYNOLDS_115KV_TB3 80639 | 49.70 0.97 0.00 | 37.93 0.87 0.00 | 33.97 0.85 0.00 | 31.13 0.85 0.00 | 34.38 0.83 0.00 | 39.10 0.83 0.00 | 47.69 1.07 0.00 | 78.99 2.18 0.00 | 93.44 2.58 0.00 | 155.90 4.10 0.00 | 123.00 3.66 0.00 | 66.42 2.07 0.00 | 63.67 2.01 0.00 | 58.11 1.94 0.00 | 65.98 2.28 0.00 | 71.61 2.31 0.00 | 66.30 2.02 0.00 | 64.56 1.86 0.00 | 59.96 1.77 0.00 | 87.59 2.31 0.00 | 62.89 1.71 0.00 | 47.72 1.24 0.00 | 43.70 1.14 0.00 | 43.88 1.23 0.00 |
| RIVERBAY____ 323610 | 51.04 2.31 0.00 | 38.78 1.72 0.00 | 34.81 1.68 0.00 | 31.83 1.54 -0.01 | 35.25 1.70 0.00 | 40.25 1.98 0.00 | 49.37 2.74 0.00 | 81.67 4.85 -0.01 | 96.68 5.82 -0.01 | 161.43 9.64 0.00 | 126.80 7.46 0.00 | 68.62 4.25 0.00 | 65.70 4.04 -0.01 | 60.12 3.94 -0.01 | 68.25 4.54 -0.01 | 74.19 4.89 0.00 | 68.72 4.44 0.00 | 66.65 3.94 0.00 | 61.72 3.54 0.00 | 90.21 4.94 0.00 | 64.87 3.69 0.00 | 49.18 2.70 -0.01 | 44.80 2.23 0.00 | 44.96 2.30 -0.01 |
| RIVERSDE_115KV_TB3 55908 | 49.61 0.88 0.00 | 37.84 0.78 0.00 | 33.90 0.78 0.00 | 31.06 0.79 0.00 | 34.31 0.76 0.00 | 39.03 0.76 0.00 | 47.62 1.00 0.00 | 78.89 2.08 0.00 | 93.38 2.52 0.00 | 155.81 4.02 0.00 | 122.89 3.55 0.00 | 66.38 2.02 0.00 | 63.62 1.96 0.00 | 58.04 1.87 0.00 | 65.89 2.19 0.00 | 71.54 2.24 0.00 | 66.23 1.95 0.00 | 64.50 1.79 0.00 | 59.90 1.71 0.00 | 87.51 2.24 0.00 | 62.83 1.65 0.00 | 47.66 1.18 0.00 | 43.64 1.08 0.00 | 43.79 1.14 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 48.24 -0.49 0.00 | 36.55 -0.51 0.00 | 32.26 -0.87 0.00 | 29.37 -0.91 0.00 | 32.71 -0.84 0.00 | 37.30 -0.97 0.00 | 45.23 -1.39 0.00 | 74.44 -2.37 0.00 | 88.10 -2.76 0.00 | 147.12 -4.68 0.00 | 115.87 -3.47 0.00 | 62.63 -1.73 0.00 | 60.19 -1.47 0.00 | 54.83 -1.35 0.00 | 62.58 -1.12 0.00 | 68.50 -0.81 0.00 | 64.02 -0.26 0.00 | 62.06 -0.65 0.00 | 57.27 -0.92 0.00 | 84.05 -1.20 0.03 | 60.22 -0.96 0.00 | 45.47 -1.01 0.00 | 41.45 -1.11 0.00 | 41.82 -0.83 0.00 |

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|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|
| ROCHESRG_115KV_T4 355643 | 44.95 -2.46 1.31 | 33.51 -1.92 1.63 | 29.84 -1.77 1.52 | 27.23 -1.66 1.39 | 30.42 -1.66 1.48 | 35.60 -1.57 1.10 | 42.68 -2.12 1.83 | 69.21 -4.49 3.11 | 82.12 -5.18 3.55 | 138.63 -8.29 4.87 | 105.39 -7.02 6.93 | 56.52 -4.07 3.77 | 52.52 -3.95 5.19 | 45.00 -3.65 7.53 | 48.56 -4.48 10.66 | 47.34 -4.84 17.12 | 46.89 -4.42 12.97 | 46.15 -3.97 12.59 | 42.58 -3.72 11.89 | 53.54 -5.18 26.55 | 53.25 -3.38 4.55 | 37.58 -2.42 6.48 | 38.30 -2.05 2.21 | 38.34 -2.18 2.13 |
| ROCHESTER_9_IC 23652 | 46.51 -2.21 0.00 | 35.13 -1.74 0.19 | 31.35 -1.61 0.16 | 28.76 -1.52 0.00 | 32.06 -1.50 0.00 | 36.90 -1.37 0.00 | 44.76 -1.86 0.00 | 70.92 -4.01 1.88 | 83.10 -4.65 3.10 | 140.14 -7.41 4.25 | 106.43 -6.36 6.55 | 57.12 -3.74 3.50 | 53.04 -3.65 4.96 | 45.39 -3.40 7.39 | 48.99 -4.19 10.52 | 47.67 -4.50 17.14 | 47.28 -4.09 12.91 | 46.57 -3.60 12.54 | 42.99 -3.36 11.83 | 53.87 -4.65 26.76 | 53.96 -2.99 4.23 | 38.04 -2.13 6.30 | 38.81 -1.80 1.94 | 38.83 -1.96 1.86 |
| ROCKVIEW_13_KV_LD 356306 | 50.77 2.04 0.00 | 38.57 1.51 0.00 | 34.55 1.43 0.00 | 31.62 1.35 0.00 | 35.01 1.46 0.00 | 39.91 1.64 0.00 | 48.94 2.32 0.00 | 81.35 4.54 0.00 | 96.10 5.24 0.00 | 161.06 9.27 0.00 | 126.58 7.24 0.00 | 68.37 4.01 0.00 | 65.53 3.87 0.00 | 59.94 3.77 0.00 | 68.12 4.42 0.00 | 74.09 4.78 0.00 | 68.61 4.32 0.00 | 66.65 3.94 0.00 | 61.68 3.49 0.00 | 90.18 4.91 0.00 | 64.88 3.71 0.00 | 49.19 2.71 0.00 | 44.81 2.25 0.00 | 44.67 2.02 0.00 |
| ROME____115KV_TB2 80656 | 49.77 1.05 0.00 | 37.75 0.69 0.00 | 33.69 0.56 0.00 | 30.73 0.46 0.00 | 34.15 0.60 0.00 | 39.17 0.90 0.00 | 48.01 1.39 0.00 | 79.09 2.28 0.00 | 93.79 2.93 0.00 | 156.76 4.96 0.00 | 123.02 3.67 0.00 | 66.23 1.87 0.00 | 63.55 1.90 0.00 | 57.84 1.66 0.00 | 65.28 1.57 0.00 | 70.62 1.32 0.00 | 65.98 1.69 0.00 | 64.86 2.16 0.00 | 60.21 2.02 0.00 | 88.58 3.22 -0.09 | 63.35 2.18 0.00 | 48.05 1.57 0.00 | 43.77 1.21 0.00 | 43.74 1.09 0.00 |
| ROSETON___1 23587 | 50.16 1.43 0.00 | 38.13 1.07 0.00 | 34.15 1.03 0.00 | 31.26 0.98 0.00 | 34.61 1.06 0.00 | 39.43 1.16 0.00 | 48.25 1.63 0.00 | 80.08 3.27 0.00 | 94.65 3.79 0.00 | 158.35 6.56 0.00 | 124.57 5.23 0.00 | 67.27 2.92 0.00 | 64.48 2.82 0.00 | 58.95 2.77 0.00 | 66.96 3.26 0.00 | 72.79 3.48 0.00 | 67.43 3.15 0.00 | 65.55 2.83 0.00 | 60.73 2.54 0.00 | 88.81 3.53 0.00 | 63.83 2.65 0.00 | 48.41 1.93 0.00 | 44.17 1.61 0.00 | 44.13 1.48 0.00 |
| ROSETON___2 23588 | 50.16 1.43 0.00 | 38.13 1.07 0.00 | 34.15 1.03 0.00 | 31.26 0.98 0.00 | 34.61 1.06 0.00 | 39.43 1.16 0.00 | 48.25 1.63 0.00 | 80.08 3.27 0.00 | 94.65 3.79 0.00 | 158.35 6.56 0.00 | 124.57 5.23 0.00 | 67.27 2.92 0.00 | 64.48 2.82 0.00 | 58.95 2.77 0.00 | 66.96 3.26 0.00 | 72.79 3.48 0.00 | 67.43 3.15 0.00 | 65.55 2.83 0.00 | 60.73 2.54 0.00 | 88.81 3.53 0.00 | 63.83 2.65 0.00 | 48.41 1.93 0.00 | 44.17 1.61 0.00 | 44.13 1.48 0.00 |
| ROTRRDAM_115KV_TB3 80664 | 49.93 1.20 0.00 | 37.99 0.93 0.00 | 33.98 0.86 0.00 | 31.06 0.79 0.00 | 34.39 0.84 0.00 | 39.16 0.89 0.00 | 47.77 1.15 0.00 | 79.20 2.39 0.00 | 93.78 2.92 0.00 | 156.69 4.89 0.00 | 123.26 3.92 0.00 | 66.52 2.16 0.00 | 63.71 2.05 0.00 | 58.08 1.90 0.00 | 65.91 2.21 0.00 | 71.60 2.30 0.00 | 66.23 1.95 0.00 | 64.58 1.87 0.00 | 60.05 1.86 0.00 | 87.91 2.64 0.00 | 63.08 1.91 0.00 | 47.86 1.39 0.00 | 43.80 1.24 0.00 | 43.98 1.33 0.00 |
| RUSSELL___1 23602 | 46.75 -1.98 0.00 | 35.30 -1.57 0.19 | 31.50 -1.46 0.16 | 28.89 -1.38 0.00 | 32.22 -1.34 0.00 | 37.08 -1.19 0.00 | 45.00 -1.62 0.00 | 71.34 -3.60 1.88 | 83.61 -4.15 3.10 | 140.92 -6.62 4.25 | 107.03 -5.76 6.55 | 57.42 -3.44 3.50 | 53.32 -3.38 4.97 | 45.64 -3.15 7.39 | 49.27 -3.90 10.53 | 47.96 -4.19 17.15 | 47.57 -3.80 12.92 | 46.92 -3.25 12.54 | 43.32 -3.03 11.84 | 54.39 -4.13 26.76 | 54.33 -2.62 4.23 | 38.31 -1.87 6.30 | 39.05 -1.57 1.95 | 39.04 -1.75 1.86 |
| RUSSELL___2 23532 | 46.75 -1.98 0.00 | 35.30 -1.57 0.19 | 31.50 -1.46 0.16 | 28.89 -1.38 0.00 | 32.22 -1.34 0.00 | 37.08 -1.19 0.00 | 45.00 -1.62 0.00 | 71.34 -3.60 1.88 | 83.61 -4.15 3.10 | 140.92 -6.62 4.25 | 107.03 -5.76 6.55 | 57.42 -3.44 3.50 | 53.32 -3.38 4.97 | 45.64 -3.15 7.39 | 49.27 -3.90 10.53 | 47.96 -4.19 17.15 | 47.57 -3.80 12.92 | 46.92 -3.25 12.54 | 43.32 -3.03 11.84 | 54.39 -4.13 26.76 | 54.33 -2.62 4.23 | 38.31 -1.87 6.30 | 39.05 -1.57 1.95 | 39.04 -1.75 1.86 |
| RUSSELL___3 23549 | 46.75 -1.98 0.00 | 35.30 -1.57 0.19 | 31.50 -1.46 0.16 | 28.89 -1.38 0.00 | 32.22 -1.34 0.00 | 37.08 -1.19 0.00 | 45.00 -1.62 0.00 | 71.34 -3.60 1.88 | 83.61 -4.15 3.10 | 140.92 -6.62 4.25 | 107.03 -5.76 6.55 | 57.42 -3.44 3.50 | 53.32 -3.38 4.97 | 45.64 -3.15 7.39 | 49.27 -3.90 10.53 | 47.96 -4.19 17.15 | 47.57 -3.80 12.92 | 46.92 -3.25 12.54 | 43.32 -3.03 11.84 | 54.39 -4.13 26.76 | 54.33 -2.62 4.23 | 38.31 -1.87 6.30 | 39.05 -1.57 1.95 | 39.04 -1.75 1.86 |
| RUSSELL___4 23556 | 46.75 -1.98 0.00 | 35.30 -1.57 0.19 | 31.50 -1.46 0.16 | 28.89 -1.38 0.00 | 32.22 -1.34 0.00 | 37.08 -1.19 0.00 | 45.00 -1.62 0.00 | 71.34 -3.60 1.88 | 83.61 -4.15 3.10 | 140.92 -6.62 4.25 | 107.03 -5.76 6.55 | 57.42 -3.44 3.50 | 53.32 -3.38 4.97 | 45.64 -3.15 7.39 | 49.27 -3.90 10.53 | 47.96 -4.19 17.15 | 47.57 -3.80 12.92 | 46.92 -3.25 12.54 | 43.32 -3.03 11.84 | 54.39 -4.13 26.76 | 54.33 -2.62 4.23 | 38.31 -1.87 6.30 | 39.05 -1.57 1.95 | 39.04 -1.75 1.86 |
| RUSSELL___STATION 23914 | 46.75 -1.98 0.00 | 35.30 -1.57 0.19 | 31.50 -1.46 0.16 | 28.89 -1.38 0.00 | 32.22 -1.34 0.00 | 37.08 -1.19 0.00 | 45.00 -1.62 0.00 | 71.34 -3.60 1.88 | 83.61 -4.15 3.10 | 140.92 -6.62 4.25 | 107.03 -5.76 6.55 | 57.42 -3.44 3.50 | 53.32 -3.38 4.97 | 45.64 -3.15 7.39 | 49.27 -3.90 10.53 | 47.96 -4.19 17.15 | 47.57 -3.80 12.92 | 46.92 -3.25 12.54 | 43.32 -3.03 11.84 | 54.39 -4.13 26.76 | 54.33 -2.62 4.23 | 38.31 -1.87 6.30 | 39.05 -1.57 1.95 | 39.04 -1.75 1.86 |
| S SALMON___HYD 24043 | 47.66 -1.06 0.00 | 36.14 -0.92 0.00 | 32.26 -0.86 0.00 | 29.38 -0.90 0.00 | 32.63 -0.92 0.00 | 37.37 -0.90 0.00 | 45.77 -0.85 0.00 | 75.11 -1.70 0.00 | 88.84 -2.02 0.00 | 147.88 -3.91 0.00 | 115.90 -3.45 0.00 | 62.12 -2.23 0.00 | 59.33 -2.32 0.00 | 54.10 -2.08 0.00 | 61.64 -2.06 0.00 | 67.50 -1.80 0.00 | 62.92 -1.36 0.00 | 61.17 -1.54 0.00 | 56.71 -1.47 0.00 | 83.67 -1.71 -0.11 | 60.01 -1.17 0.00 | 45.66 -0.82 0.00 | 41.68 -0.88 0.00 | 41.63 -1.03 0.00 |
| S.PERRY__115KV_TB1 80734 | 73.32 -1.91 -26.51 | 64.12 -1.58 -28.64 | 58.58 -1.57 -27.03 | 56.91 -1.41 -28.05 | 62.10 -1.33 -29.88 | 59.14 -1.23 -22.10 | 81.41 -1.26 -36.05 | 127.96 -2.62 -53.77 | 146.77 -3.07 -58.98 | 225.68 -6.89 -80.77 | 158.54 -6.62 -45.82 | 94.37 -4.00 -34.01 | 84.85 -4.11 -27.30 | 65.38 -3.85 -13.05 | 92.78 -4.83 -33.91 | 99.53 -5.30 -35.52 | 94.48 -4.86 -35.05 | 65.33 -4.19 -6.81 | 63.08 -3.37 -8.25 | 110.18 -3.23 -28.14 | 102.84 -1.93 -43.59 | 63.79 -1.63 -18.95 | 75.47 -1.41 -34.32 | 75.85 -1.70 -34.89 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 39.28 -3.96 5.48 | 27.61 -3.13 6.32 | 24.28 -2.91 5.94 | 21.70 -2.77 5.80 | 24.61 -2.77 6.18 | 31.07 -2.62 4.58 | 35.41 -3.66 7.56 | 57.73 -7.40 11.68 | 69.77 -8.18 12.91 | 121.34 -12.77 17.68 | 90.99 -10.80 17.56 | 47.76 -6.13 10.47 | 43.66 -5.80 12.20 | 36.22 -5.28 14.67 | 40.62 -6.52 16.55 | 41.20 -7.05 21.06 | 40.14 -6.58 17.57 | 35.94 -6.06 20.72 | 32.60 -5.84 19.75 | 45.80 -8.64 30.83 | 43.45 -5.75 11.98 | 28.57 -4.08 13.82 | 31.37 -3.46 7.74 | 31.39 -3.61 7.65 |

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| SAWYER___23_KV_LOAD 55526 | 39.28 -3.96 5.48 | 27.61 -3.13 6.32 | 24.28 -2.91 5.94 | 21.70 -2.77 5.80 | 24.61 -2.77 6.18 | 31.07 -2.62 4.58 | 35.41 -3.66 7.56 | 57.73 -7.40 11.68 | 69.77 -8.18 12.91 | 121.34 -12.77 17.68 | 90.99 -10.80 17.56 | 47.76 -6.13 10.47 | 43.66 -5.80 12.20 | 36.22 -5.28 14.67 | 40.62 -6.52 16.55 | 41.20 -7.05 21.06 | 40.14 -6.58 17.57 | 35.94 -6.06 20.72 | 32.60 -5.84 19.75 | 45.80 -8.64 30.83 | 43.45 -5.75 11.98 | 28.57 -4.08 13.82 | 31.37 -3.46 7.74 | 31.39 -3.61 7.65 |
| SELKIRK___I 23801 | 49.77 1.05 0.00 | 37.93 0.87 0.00 | 33.96 0.84 0.00 | 31.12 0.84 0.00 | 34.41 0.85 0.00 | 39.15 0.88 0.00 | 47.77 1.15 0.00 | 79.06 2.25 0.00 | 93.51 2.65 0.00 | 156.11 4.32 0.00 | 122.93 3.59 0.00 | 66.38 2.02 0.00 | 63.59 1.93 0.00 | 57.96 1.78 0.00 | 65.74 2.04 0.00 | 71.45 2.14 0.00 | 66.17 1.88 0.00 | 64.47 1.76 0.00 | 59.88 1.69 0.00 | 87.57 2.29 0.00 | 62.85 1.68 0.00 | 47.73 1.25 0.00 | 43.70 1.14 0.00 | 43.81 1.16 0.00 |
| SELKIRK___II 23799 | 49.53 0.80 0.00 | 37.75 0.68 0.00 | 33.79 0.67 0.00 | 30.95 0.68 0.00 | 34.23 0.67 0.00 | 38.95 0.68 0.00 | 47.52 0.90 0.00 | 78.72 1.91 0.00 | 93.11 2.26 0.00 | 155.47 3.68 0.00 | 122.49 3.15 0.00 | 66.12 1.76 0.00 | 63.38 1.72 0.00 | 57.81 1.64 0.00 | 65.61 1.91 0.00 | 71.27 1.96 0.00 | 66.00 1.72 0.00 | 64.25 1.55 0.00 | 59.67 1.47 0.00 | 87.23 1.96 0.00 | 62.64 1.46 0.00 | 47.56 1.08 0.00 | 43.52 0.96 0.00 | 43.63 0.98 0.00 |
| SENECA OSWGO___HYD 24041 | 47.44 -1.29 0.00 | 36.12 -0.94 0.00 | 32.34 -0.78 0.00 | 29.59 -0.69 0.00 | 32.80 -0.75 0.00 | 37.42 -0.85 0.00 | 45.55 -1.07 0.00 | 74.94 -1.87 0.00 | 88.66 -2.20 0.00 | 147.86 -3.94 0.00 | 116.03 -3.31 0.00 | 62.43 -1.93 0.00 | 59.75 -1.91 0.00 | 54.37 -1.81 0.00 | 61.68 -2.03 0.00 | 67.14 -2.17 0.00 | 62.36 -1.92 0.00 | 60.89 -1.82 0.00 | 56.54 -1.65 0.00 | 83.06 -2.25 -0.03 | 59.68 -1.50 0.00 | 45.45 -1.03 0.00 | 41.68 -0.89 0.00 | 41.68 -0.98 0.00 |
| SENECA___115KV_TB3 355854 | 40.65 -3.39 4.69 | 28.85 -2.74 5.47 | 25.43 -2.57 5.13 | 22.84 -2.47 4.96 | 25.86 -2.41 5.28 | 32.16 -2.19 3.91 | 37.07 -3.06 6.48 | 60.54 -6.22 10.05 | 73.02 -6.73 11.11 | 126.17 -10.41 15.21 | 94.07 -9.05 16.22 | 49.73 -5.23 9.40 | 45.40 -4.96 11.30 | 37.51 -4.52 14.15 | 42.82 -5.69 15.20 | 43.87 -6.10 19.34 | 42.50 -5.73 16.05 | 36.96 -5.21 20.53 | 33.60 -5.07 19.52 | 48.63 -7.56 29.08 | 45.57 -5.01 10.60 | 29.64 -3.51 13.33 | 32.90 -2.98 6.68 | 32.92 -3.15 6.58 |
| SENECA___ENERGY 23797 | 49.15 -1.37 -1.80 | 37.84 -1.13 -1.91 | 33.93 -0.99 -1.80 | 31.31 -0.86 -1.90 | 34.71 -0.87 -2.02 | 38.89 -0.88 -1.50 | 48.05 -1.01 -2.45 | 78.70 -1.75 -3.63 | 93.06 -1.84 -4.04 | 154.19 -3.15 -5.54 | 118.60 -3.11 -2.37 | 64.25 -2.00 -1.88 | 60.57 -2.04 -0.95 | 53.29 -2.03 0.85 | 63.25 -2.61 -2.16 | 69.75 -2.59 -3.03 | 64.54 -2.50 -2.76 | 59.82 -2.22 0.67 | 55.85 -1.84 0.50 | 85.26 -2.44 -2.44 | 62.56 -1.46 -2.85 | 45.88 -1.11 -0.52 | 43.90 -0.94 -2.27 | 43.87 -1.11 -2.33 |
| SHOEMAKER___GT 23640 | 49.90 1.18 0.00 | 37.93 0.87 0.00 | 33.95 0.83 0.00 | 31.06 0.79 0.00 | 34.41 0.86 0.00 | 39.25 0.98 0.00 | 47.98 1.36 0.00 | 79.53 2.72 0.00 | 94.04 3.18 0.00 | 157.32 5.53 0.00 | 123.77 4.43 0.00 | 66.85 2.49 0.00 | 64.06 2.40 0.00 | 58.50 2.33 0.00 | 66.44 2.74 0.00 | 72.24 2.94 0.00 | 66.91 2.62 0.00 | 65.07 2.37 0.00 | 60.35 2.16 0.00 | 88.33 3.05 0.00 | 63.48 2.30 0.00 | 48.15 1.68 0.00 | 43.92 1.36 0.00 | 43.91 1.26 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 49.88 1.15 0.00 | 37.91 0.85 0.00 | 33.94 0.82 0.00 | 31.05 0.78 0.00 | 34.41 0.85 0.00 | 39.24 0.97 0.00 | 47.97 1.35 0.00 | 79.53 2.72 0.00 | 94.02 3.16 0.00 | 157.27 5.48 0.00 | 123.73 4.39 0.00 | 66.82 2.46 0.00 | 64.03 2.37 0.00 | 58.48 2.31 0.00 | 66.43 2.73 0.00 | 72.24 2.93 0.00 | 66.91 2.63 0.00 | 65.05 2.34 0.00 | 60.32 2.13 0.00 | 88.29 3.01 0.00 | 63.46 2.28 0.00 | 48.12 1.64 0.00 | 43.91 1.35 0.00 | 43.88 1.23 0.00 |
| SHOREHAM_IC_1 23715 | 52.42 2.94 -0.75 | 60.11 2.62 -20.43 | 35.53 2.40 0.00 | 32.50 2.22 0.00 | 35.82 2.27 0.00 | 40.72 2.46 0.00 | 49.82 3.20 0.00 | 80.09 3.28 0.00 | 95.59 4.27 -0.47 | 367.22 8.95 -206.47 | 158.98 6.30 -33.33 | 67.74 3.38 0.00 | 64.86 3.16 -0.04 | 59.60 3.32 -0.11 | 68.72 3.97 -1.05 | 73.77 4.40 -0.07 | 68.96 3.93 -0.75 | 66.70 3.83 -0.17 | 61.29 3.10 0.00 | 89.50 4.14 -0.08 | 65.99 3.43 -1.38 | 52.07 2.73 -2.86 | 65.12 2.88 -19.68 | 86.96 2.95 -41.36 |
| SHOREHAM_IC_2 23716 | 52.42 2.94 -0.75 | 60.11 2.62 -20.43 | 35.53 2.40 0.00 | 32.50 2.22 0.00 | 35.82 2.27 0.00 | 40.72 2.46 0.00 | 49.82 3.20 0.00 | 80.09 3.28 0.00 | 95.59 4.27 -0.47 | 367.22 8.95 -206.47 | 158.98 6.30 -33.33 | 67.74 3.38 0.00 | 64.86 3.16 -0.04 | 59.60 3.32 -0.11 | 68.72 3.97 -1.05 | 73.77 4.40 -0.07 | 68.96 3.93 -0.75 | 66.70 3.83 -0.17 | 61.29 3.10 0.00 | 89.50 4.14 -0.08 | 65.99 3.43 -1.38 | 52.07 2.73 -2.86 | 65.12 2.88 -19.68 | 86.96 2.95 -41.36 |
| SISSONVILLE____ 23735 | 48.73 0.01 0.00 | 36.98 -0.08 0.00 | 32.94 -0.19 0.00 | 29.94 -0.34 0.00 | 33.25 -0.31 0.00 | 38.12 -0.15 0.00 | 46.56 -0.06 0.00 | 76.49 -0.32 0.00 | 90.21 -0.64 0.00 | 163.97 -1.55 -13.73 | 141.50 -1.36 -23.53 | 77.95 -1.08 -14.68 | 65.22 -1.24 -4.80 | 54.85 -1.33 0.00 | 62.50 -1.20 0.00 | 68.30 -1.00 0.00 | 63.75 -0.54 0.00 | 62.12 -0.58 0.00 | 57.61 -0.58 0.00 | 85.78 -0.47 -0.98 | 60.37 -0.81 0.00 | 45.74 -0.80 -0.07 | 52.57 -0.89 -10.89 | 48.19 -0.83 -6.37 |
| SITHE_IND_GS1 24169 | 47.13 -1.60 0.00 | 35.88 -1.18 0.00 | 32.10 -1.02 0.00 | 29.37 -0.91 0.00 | 32.55 -1.00 0.00 | 37.08 -1.19 0.00 | 45.05 -1.57 0.00 | 73.99 -2.82 0.00 | 87.60 -3.26 0.00 | 146.32 -5.48 0.00 | 114.90 -4.44 0.00 | 61.92 -2.44 0.00 | 59.30 -2.35 0.00 | 53.97 -2.21 0.00 | 61.13 -2.57 0.00 | 66.57 -2.74 0.00 | 61.77 -2.51 0.00 | 60.31 -2.40 0.00 | 55.98 -2.21 0.00 | 82.13 -3.14 0.00 | 59.00 -2.18 0.00 | 44.95 -1.53 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |
| SITHE_IND_GS2 24170 | 47.13 -1.60 0.00 | 35.88 -1.18 0.00 | 32.10 -1.02 0.00 | 29.37 -0.91 0.00 | 32.55 -1.00 0.00 | 37.08 -1.19 0.00 | 45.05 -1.57 0.00 | 73.99 -2.82 0.00 | 87.60 -3.26 0.00 | 146.32 -5.48 0.00 | 114.90 -4.44 0.00 | 61.92 -2.44 0.00 | 59.30 -2.35 0.00 | 53.97 -2.21 0.00 | 61.13 -2.57 0.00 | 66.57 -2.74 0.00 | 61.77 -2.51 0.00 | 60.31 -2.40 0.00 | 55.98 -2.21 0.00 | 82.13 -3.14 0.00 | 59.00 -2.18 0.00 | 44.95 -1.53 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |
| SITHE_IND_GS3 24171 | 47.13 -1.60 0.00 | 35.88 -1.18 0.00 | 32.10 -1.02 0.00 | 29.37 -0.91 0.00 | 32.55 -1.00 0.00 | 37.08 -1.19 0.00 | 45.05 -1.57 0.00 | 73.99 -2.82 0.00 | 87.60 -3.26 0.00 | 146.32 -5.48 0.00 | 114.90 -4.44 0.00 | 61.92 -2.44 0.00 | 59.30 -2.35 0.00 | 53.97 -2.21 0.00 | 61.13 -2.57 0.00 | 66.57 -2.74 0.00 | 61.77 -2.51 0.00 | 60.31 -2.40 0.00 | 55.98 -2.21 0.00 | 82.13 -3.14 0.00 | 59.00 -2.18 0.00 | 44.95 -1.53 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |
| SITHE_IND_GS4 24172 | 47.13 -1.60 0.00 | 35.88 -1.18 0.00 | 32.10 -1.02 0.00 | 29.37 -0.91 0.00 | 32.55 -1.00 0.00 | 37.08 -1.19 0.00 | 45.05 -1.57 0.00 | 73.99 -2.82 0.00 | 87.60 -3.26 0.00 | 146.32 -5.48 0.00 | 114.90 -4.44 0.00 | 61.92 -2.44 0.00 | 59.30 -2.35 0.00 | 53.97 -2.21 0.00 | 61.13 -2.57 0.00 | 66.57 -2.74 0.00 | 61.77 -2.51 0.00 | 60.31 -2.40 0.00 | 55.98 -2.21 0.00 | 82.13 -3.14 0.00 | 59.00 -2.18 0.00 | 44.95 -1.53 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |

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| SITHE___BATAVIA 24024 | 41.85 -2.54 4.34 | 30.01 -2.04 5.02 | 26.52 -1.89 4.70 | 23.87 -1.82 4.59 | 26.94 -1.73 4.89 | 33.18 -1.47 3.62 | 38.63 -2.02 5.97 | 63.15 -4.37 9.29 | 75.39 -5.18 10.29 | 129.17 -8.53 14.09 | 97.34 -7.79 14.20 | 51.13 -4.73 8.50 | 46.78 -4.84 10.04 | 39.40 -4.48 12.30 | 42.98 -5.33 15.39 | 42.44 -5.64 21.23 | 41.99 -5.13 17.16 | 40.57 -4.28 17.86 | 37.48 -3.69 17.01 | 49.03 -4.99 31.25 | 48.17 -3.07 9.93 | 32.87 -2.34 11.27 | 34.42 -1.96 6.19 | 34.36 -2.18 6.12 |
| SITHE___INDEPEND 23800 | 47.12 -1.60 0.00 | 35.88 -1.18 0.00 | 32.09 -1.03 0.00 | 29.36 -0.92 0.00 | 32.54 -1.01 0.00 | 37.08 -1.19 0.00 | 45.04 -1.58 0.00 | 73.98 -2.83 0.00 | 87.60 -3.26 0.00 | 146.30 -5.49 0.00 | 114.90 -4.45 0.00 | 61.91 -2.45 0.00 | 59.29 -2.37 0.00 | 53.97 -2.21 0.00 | 61.12 -2.58 0.00 | 66.55 -2.76 0.00 | 61.77 -2.51 0.00 | 60.30 -2.41 0.00 | 55.98 -2.21 0.00 | 82.12 -3.16 0.00 | 58.98 -2.20 0.00 | 44.95 -1.53 0.00 | 41.27 -1.29 0.00 | 41.31 -1.35 0.00 |
| SITHE___MASSENA 23902 | 49.40 0.67 0.00 | 37.53 0.47 0.00 | 33.46 0.34 0.00 | 30.48 0.21 0.00 | 33.81 0.26 0.00 | 38.70 0.43 0.00 | 47.17 0.55 0.00 | 77.76 0.94 0.00 | 91.73 0.87 0.00 | 158.07 1.26 -5.01 | 128.87 0.95 -8.58 | 70.07 0.36 -5.35 | 63.67 0.26 -1.75 | 56.35 0.17 0.00 | 64.00 0.30 0.00 | 69.72 0.41 0.00 | 64.88 0.60 0.00 | 63.34 0.64 0.00 | 58.75 0.56 0.00 | 87.58 0.99 -1.31 | 61.55 0.37 0.00 | 46.67 0.17 -0.03 | 46.67 0.14 -3.97 | 45.18 0.20 -2.32 |
| SITHE___OGDNSBRG 24021 | 50.10 1.38 0.00 | 38.06 1.00 0.00 | 33.90 0.78 0.00 | 30.87 0.60 0.00 | 34.28 0.73 0.00 | 39.32 1.05 0.00 | 48.09 1.47 0.00 | 79.15 2.34 0.00 | 93.35 2.49 0.00 | 165.89 3.75 -10.34 | 139.72 2.66 -17.72 | 76.30 0.88 -11.06 | 65.70 0.42 -3.62 | 56.30 0.13 0.00 | 64.31 0.61 0.00 | 70.25 0.94 0.00 | 65.67 1.38 0.00 | 63.59 0.88 0.00 | 59.26 1.07 0.00 | 88.61 2.23 -1.11 | 62.39 1.21 0.00 | 47.26 0.73 -0.05 | 51.35 0.58 -8.21 | 48.06 0.61 -4.80 |
| SITHE___STERLING 23777 | 49.36 0.63 0.00 | 37.46 0.40 0.00 | 33.45 0.33 0.00 | 30.56 0.28 0.00 | 33.92 0.37 0.00 | 38.85 0.58 0.00 | 47.54 0.92 0.00 | 78.37 1.57 0.00 | 92.90 2.05 0.00 | 155.28 3.49 0.00 | 121.83 2.49 0.00 | 65.63 1.27 0.00 | 63.00 1.34 0.00 | 57.32 1.14 0.00 | 64.62 0.92 0.00 | 69.95 0.65 0.00 | 65.22 0.93 0.00 | 64.06 1.35 0.00 | 59.53 1.34 0.00 | 87.47 2.14 -0.06 | 62.70 1.52 0.00 | 47.57 1.09 0.00 | 43.40 0.84 0.00 | 43.40 0.74 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 46.94 -1.79 0.00 | 35.55 -1.41 0.10 | 31.78 -1.26 0.08 | 29.12 -1.16 0.00 | 32.42 -1.14 0.00 | 37.19 -1.08 0.00 | 45.26 -1.36 0.00 | 74.20 -2.61 0.00 | 87.84 -3.01 0.00 | 146.92 -4.87 0.00 | 113.07 -4.33 1.95 | 60.81 -2.70 0.85 | 57.18 -2.72 1.76 | 50.20 -2.64 3.33 | 60.98 -3.26 -0.54 | 69.03 -3.33 -3.06 | 63.18 -3.13 -2.03 | 56.61 -2.74 3.36 | 52.75 -2.33 3.11 | 85.33 -3.14 -3.20 | 59.06 -1.99 0.13 | 42.69 -1.43 2.35 | 41.27 -1.24 0.05 | 41.26 -1.40 0.00 |
| SOUTH CAIRO___GT 23612 | 51.34 2.62 0.00 | 39.09 2.03 0.00 | 34.99 1.87 0.00 | 32.06 1.78 0.00 | 35.47 1.92 0.00 | 40.46 2.19 0.00 | 49.55 2.93 0.00 | 82.22 5.41 0.00 | 97.54 6.68 0.00 | 162.74 10.95 0.00 | 128.26 8.92 0.00 | 69.22 4.86 0.00 | 66.23 4.57 0.00 | 60.23 4.05 0.00 | 68.12 4.42 0.00 | 74.08 4.77 0.00 | 68.65 4.36 0.00 | 66.71 4.00 0.00 | 62.28 4.09 0.00 | 91.27 6.00 0.00 | 65.45 4.28 0.00 | 49.53 3.05 0.00 | 45.22 2.66 0.00 | 45.26 2.61 0.00 |
| SOUTH HAMPTN___IC 23720 | 52.97 3.49 -0.75 | 60.44 2.95 -20.43 | 35.79 2.67 0.00 | 32.73 2.45 0.00 | 36.00 2.45 0.00 | 40.88 2.61 0.00 | 50.01 3.39 0.00 | 80.46 3.65 0.00 | 95.89 4.57 -0.47 | 367.65 9.38 -206.47 | 159.30 6.62 -33.33 | 67.95 3.59 0.00 | 65.05 3.36 -0.04 | 59.80 3.51 -0.11 | 68.92 4.19 -1.03 | 74.00 4.62 -0.06 | 69.16 4.14 -0.74 | 66.93 4.06 -0.16 | 61.51 3.32 0.00 | 89.91 4.55 -0.08 | 66.26 3.72 -1.36 | 52.15 2.82 -2.85 | 65.15 2.91 -19.67 | 87.03 3.02 -41.36 |
| SOUTHDOW_115KV_TB1 355954 | 45.65 -3.08 0.00 | 33.92 -2.75 0.39 | 30.22 -2.57 0.33 | 27.95 -2.33 0.00 | 31.45 -2.10 0.00 | 36.58 -1.59 0.10 | 42.90 -2.08 1.63 | 70.93 -3.13 2.75 | 85.26 -2.55 3.05 | 143.92 -3.70 4.18 | 103.97 -5.40 9.97 | 55.78 -3.96 4.62 | 50.74 -3.63 7.30 | 41.06 -3.27 11.85 | 50.08 -4.37 9.26 | 52.80 -4.56 11.94 | 50.13 -4.70 9.45 | 39.06 -4.49 19.16 | 35.92 -4.30 17.97 | 57.83 -5.95 21.49 | 53.01 -3.72 4.45 | 32.85 -2.84 10.79 | 38.39 -2.19 1.98 | 38.41 -2.45 1.79 |
| SOUTHOLD_69_KV_BK 2 55809 | 53.69 4.21 -0.75 | 60.96 3.46 -20.43 | 36.19 3.07 0.00 | 33.09 2.82 0.00 | 36.26 2.70 0.00 | 41.01 2.74 0.00 | 50.15 3.53 0.00 | 80.19 3.38 0.00 | 95.31 3.99 -0.47 | 366.61 8.34 -206.47 | 158.44 5.77 -33.33 | 67.53 3.17 0.00 | 64.64 2.95 -0.04 | 59.46 3.18 -0.11 | 68.54 3.81 -1.03 | 73.60 4.22 -0.06 | 68.83 3.80 -0.74 | 66.64 3.77 -0.16 | 61.31 3.12 0.00 | 89.79 4.43 -0.08 | 66.21 3.67 -1.36 | 51.83 2.50 -2.85 | 64.92 2.68 -19.67 | 87.01 3.01 -41.36 |
| SOUTHOLD___IC 23719 | 53.69 4.20 -0.75 | 60.95 3.46 -20.43 | 36.18 3.06 0.00 | 33.08 2.80 0.00 | 36.23 2.68 0.00 | 41.00 2.73 0.00 | 50.14 3.52 0.00 | 80.17 3.36 0.00 | 95.31 3.98 -0.47 | 366.52 8.26 -206.47 | 158.43 5.76 -33.33 | 67.51 3.15 0.00 | 64.64 2.94 -0.04 | 59.46 3.18 -0.11 | 68.54 3.81 -1.03 | 73.58 4.21 -0.06 | 68.80 3.78 -0.74 | 66.65 3.77 -0.16 | 61.32 3.13 0.00 | 89.77 4.42 -0.08 | 66.17 3.63 -1.36 | 51.83 2.50 -2.85 | 64.93 2.69 -19.67 | 87.01 3.00 -41.36 |
| SOUTH_FORK_WT_PWR 323839 | 53.78 4.30 -0.75 | 61.02 3.53 -20.43 | 36.21 3.09 0.00 | 33.09 2.81 0.00 | 36.11 2.56 0.00 | 40.77 2.50 0.00 | 49.78 3.16 0.00 | 79.13 2.32 0.00 | 93.76 2.44 -0.47 | 363.85 5.59 -206.47 | 156.32 3.65 -33.33 | 66.42 2.05 0.00 | 63.58 1.89 -0.04 | 58.54 2.26 -0.11 | 67.53 2.80 -1.03 | 72.52 3.15 -0.06 | 67.81 2.78 -0.74 | 65.70 2.83 -0.16 | 60.49 2.30 0.00 | 88.70 3.34 -0.08 | 65.44 2.90 -1.36 | 51.12 1.79 -2.85 | 64.36 2.13 -19.67 | 86.65 2.64 -41.36 |
| SPIERFLS_115KV_TB 1 80737 | 51.64 2.92 0.00 | 39.25 2.19 0.00 | 35.10 1.97 0.00 | 31.95 1.68 0.00 | 35.23 1.68 0.00 | 39.86 1.59 0.00 | 48.47 1.85 0.00 | 80.30 3.49 0.00 | 95.33 4.47 0.00 | 159.10 7.31 0.00 | 124.89 5.54 0.00 | 67.40 3.04 0.00 | 64.66 3.00 0.00 | 58.93 2.75 0.00 | 66.85 3.15 0.00 | 72.66 3.35 0.00 | 67.12 2.84 0.00 | 65.61 2.90 0.00 | 61.02 2.83 0.00 | 89.24 3.96 0.00 | 63.81 2.64 0.00 | 48.32 1.84 0.00 | 44.30 1.74 0.00 | 45.11 2.45 0.00 |
| ST LAWRENCE____ 23600 | 48.96 0.23 0.00 | 37.22 0.16 0.00 | 33.19 0.07 0.00 | 30.25 -0.03 0.00 | 33.54 -0.01 0.00 | 38.34 0.07 0.00 | 46.68 0.06 0.00 | 76.75 -0.06 0.00 | 90.57 -0.29 0.00 | 151.17 -0.63 0.00 | 118.89 -0.45 0.00 | 64.07 -0.29 0.00 | 61.37 -0.29 0.00 | 55.90 -0.28 0.00 | 63.40 -0.30 0.00 | 69.00 -0.30 0.00 | 64.14 -0.14 0.00 | 62.71 0.00 0.00 | 58.16 -0.02 0.00 | 85.17 0.02 0.12 | 60.88 -0.30 0.00 | 46.17 -0.31 0.00 | 42.27 -0.29 0.00 | 42.44 -0.21 0.00 |
| STATE_CA_115KV_115_LB 55624 | 49.71 0.98 0.00 | 37.89 0.83 0.00 | 33.94 0.82 0.00 | 31.09 0.82 0.00 | 34.34 0.79 0.00 | 39.10 0.83 0.00 | 47.72 1.10 0.00 | 79.09 2.28 0.00 | 93.60 2.74 0.00 | 156.29 4.50 0.00 | 123.21 3.87 0.00 | 66.55 2.19 0.00 | 63.77 2.11 0.00 | 58.19 2.02 0.00 | 66.03 2.33 0.00 | 71.71 2.40 0.00 | 66.38 2.09 0.00 | 64.67 1.96 0.00 | 60.05 1.86 0.00 | 87.74 2.47 0.00 | 62.98 1.81 0.00 | 47.78 1.30 0.00 | 43.71 1.15 0.00 | 43.84 1.19 0.00 |

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| STATE_ST_34_KV_LOAD 55959 | 48.32 -0.40 0.00 | 36.75 -0.43 -0.12 | 32.96 -0.27 -0.10 | 30.05 -0.23 0.00 | 33.40 -0.15 0.00 | 38.14 -0.13 0.00 | 46.38 -0.24 0.00 | 76.46 -0.35 0.00 | 90.67 -0.19 0.00 | 151.32 -0.48 0.00 | 120.21 -0.85 -1.72 | 64.22 -0.67 -0.53 | 62.01 -0.74 -1.09 | 57.24 -1.01 -2.07 | 62.82 -1.41 -0.53 | 68.25 -1.06 0.00 | 63.17 -1.28 -0.17 | 66.48 -0.87 -4.63 | 61.89 -0.61 -4.31 | 86.17 -0.65 -1.55 | 61.39 -0.20 -0.41 | 49.10 -0.08 -2.70 | 42.57 -0.05 -0.06 | 42.47 -0.18 0.00 |
| STATION 5_MISC_HYD 23604 | 46.55 -2.18 0.00 | 35.16 -1.71 0.19 | 31.39 -1.57 0.16 | 28.79 -1.49 0.00 | 32.09 -1.47 0.00 | 36.92 -1.35 0.00 | 44.78 -1.84 0.00 | 70.97 -3.97 1.88 | 83.16 -4.59 3.10 | 140.37 -7.18 4.25 | 106.50 -6.29 6.55 | 57.21 -3.64 3.50 | 53.12 -3.58 4.96 | 45.44 -3.35 7.39 | 49.09 -4.08 10.52 | 47.82 -4.34 17.14 | 47.37 -4.00 12.91 | 46.61 -3.56 12.54 | 43.04 -3.32 11.83 | 53.99 -4.54 26.76 | 54.09 -2.86 4.23 | 38.08 -2.10 6.30 | 38.85 -1.77 1.94 | 38.86 -1.93 1.86 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 47.47 -1.25 0.00 | 35.92 -0.99 0.15 | 32.09 -0.91 0.13 | 29.47 -0.81 0.00 | 32.80 -0.76 0.00 | 37.62 -0.65 0.00 | 45.84 -0.78 0.00 | 75.24 -1.57 0.00 | 89.14 -1.72 0.00 | 149.04 -2.75 0.00 | 113.80 -2.79 2.75 | 61.22 -1.93 1.20 | 57.16 -2.03 2.47 | 49.55 -1.94 4.70 | 61.26 -2.52 -0.08 | 69.53 -2.59 -2.82 | 63.72 -2.34 -1.78 | 55.51 -1.91 5.28 | 51.71 -1.58 4.90 | 85.51 -1.99 -2.22 | 59.67 -1.19 0.31 | 42.17 -0.86 3.45 | 41.76 -0.72 0.07 | 41.75 -0.91 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 46.37 -2.35 0.00 | 35.03 -1.85 0.18 | 31.28 -1.68 0.16 | 28.69 -1.58 0.00 | 31.97 -1.58 0.00 | 36.77 -1.50 0.00 | 44.64 -1.99 0.00 | 72.74 -4.07 0.00 | 86.17 -4.68 0.00 | 144.28 -7.51 0.00 | 109.40 -6.43 3.51 | 59.15 -3.76 1.45 | 55.00 -3.68 2.98 | 47.09 -3.42 5.67 | 54.32 -4.20 5.18 | 56.74 -4.50 8.07 | 54.23 -4.11 5.95 | 49.79 -3.62 9.30 | 46.15 -3.35 8.68 | 66.28 -4.67 14.33 | 56.88 -3.03 1.27 | 39.83 -2.18 4.47 | 40.61 -1.85 0.10 | 40.64 -2.02 0.00 |
| STA_56___34_KV_BUS2 355983 | 46.37 -2.35 0.00 | 35.03 -1.85 0.18 | 31.28 -1.68 0.16 | 28.69 -1.58 0.00 | 31.97 -1.58 0.00 | 36.77 -1.50 0.00 | 44.64 -1.99 0.00 | 72.74 -4.07 0.00 | 86.17 -4.68 0.00 | 144.28 -7.51 0.00 | 109.40 -6.43 3.51 | 59.15 -3.76 1.45 | 55.00 -3.68 2.98 | 47.09 -3.42 5.67 | 54.32 -4.20 5.18 | 56.74 -4.50 8.07 | 54.23 -4.11 5.95 | 49.79 -3.62 9.30 | 46.15 -3.35 8.68 | 66.28 -4.67 14.33 | 56.88 -3.03 1.27 | 39.83 -2.18 4.47 | 40.61 -1.85 0.10 | 40.64 -2.02 0.00 |
| STA_67___115KV_BK2 355882 | 46.41 -2.32 0.00 | 35.06 -1.82 0.19 | 31.29 -1.67 0.16 | 28.70 -1.58 0.00 | 31.99 -1.57 0.00 | 36.81 -1.46 0.00 | 44.65 -1.97 0.00 | 70.69 -4.20 1.92 | 82.82 -4.87 3.17 | 139.68 -7.78 4.34 | 106.09 -6.65 6.61 | 56.94 -3.88 3.54 | 52.88 -3.78 5.00 | 45.26 -3.51 7.41 | 48.85 -4.31 10.55 | 47.53 -4.64 17.14 | 47.11 -4.25 12.92 | 46.42 -3.74 12.55 | 42.85 -3.50 11.84 | 53.69 -4.86 26.73 | 53.76 -3.14 4.28 | 37.90 -2.25 6.33 | 38.68 -1.90 1.98 | 38.71 -2.05 1.90 |
| STA_7___115KV_9TRANS 80674 | 46.75 -1.98 0.00 | 35.30 -1.57 0.19 | 31.50 -1.46 0.16 | 28.89 -1.38 0.00 | 32.22 -1.34 0.00 | 37.08 -1.19 0.00 | 45.00 -1.62 0.00 | 71.34 -3.60 1.88 | 83.61 -4.15 3.10 | 140.92 -6.62 4.25 | 107.03 -5.76 6.55 | 57.42 -3.44 3.50 | 53.32 -3.38 4.97 | 45.64 -3.15 7.39 | 49.27 -3.90 10.53 | 47.96 -4.19 17.15 | 47.57 -3.80 12.92 | 46.92 -3.25 12.54 | 43.32 -3.03 11.84 | 54.39 -4.13 26.76 | 54.33 -2.62 4.23 | 38.31 -1.87 6.30 | 39.05 -1.57 1.95 | 39.04 -1.75 1.86 |
| STA_82___115KV_TB1 80780 | 46.42 -2.31 0.00 | 35.06 -1.81 0.19 | 31.29 -1.67 0.16 | 28.70 -1.57 0.00 | 31.99 -1.56 0.00 | 36.82 -1.45 0.00 | 44.66 -1.96 0.00 | 70.95 -4.18 1.69 | 83.24 -4.84 2.78 | 140.21 -7.78 3.81 | 106.41 -6.65 6.28 | 57.18 -3.88 3.31 | 53.07 -3.78 4.80 | 45.37 -3.51 7.29 | 48.96 -4.32 10.42 | 47.52 -4.64 17.15 | 47.18 -4.25 12.86 | 46.48 -3.73 12.49 | 42.92 -3.49 11.78 | 53.55 -4.84 26.88 | 54.04 -3.13 4.01 | 38.08 -2.23 6.17 | 38.92 -1.89 1.76 | 38.94 -2.04 1.67 |
| STEEL___WIND 323596 | 40.62 -3.42 4.69 | 28.86 -2.74 5.47 | 25.44 -2.56 5.13 | 22.82 -2.49 4.96 | 25.84 -2.43 5.28 | 32.11 -2.24 3.91 | 37.03 -3.11 6.48 | 60.48 -6.29 10.05 | 72.88 -6.87 11.11 | 126.16 -10.42 15.21 | 93.87 -9.25 16.22 | 49.73 -5.23 9.40 | 45.39 -4.97 11.30 | 37.35 -4.68 14.15 | 42.78 -5.72 15.20 | 43.96 -6.00 19.34 | 42.51 -5.72 16.05 | 36.79 -5.38 20.53 | 33.49 -5.18 19.52 | 48.60 -7.59 29.08 | 45.64 -4.94 10.60 | 29.49 -3.65 13.33 | 32.85 -3.03 6.68 | 32.90 -3.17 6.58 |
| STEPHTWN_115KV_BK_2 55603 | 49.99 1.26 0.00 | 38.04 0.98 0.00 | 34.07 0.95 0.00 | 31.22 0.94 0.00 | 34.52 0.97 0.00 | 39.38 1.12 0.00 | 48.23 1.60 0.00 | 79.76 2.95 0.00 | 94.40 3.54 0.00 | 157.60 5.81 0.00 | 124.19 4.85 0.00 | 66.99 2.63 0.00 | 64.21 2.55 0.00 | 58.58 2.41 0.00 | 66.51 2.81 0.00 | 72.35 3.04 0.00 | 66.83 2.55 0.00 | 65.18 2.48 0.00 | 60.49 2.30 0.00 | 88.48 3.20 0.00 | 63.67 2.49 0.00 | 48.09 1.61 0.00 | 44.02 1.46 0.00 | 44.12 1.47 0.00 |
| STEUBEN_REC_LFGE 323667 | 62.33 -4.02 -17.63 | 52.03 -3.31 -18.28 | 47.13 -3.31 -17.32 | 46.05 -2.88 -18.65 | 50.46 -2.97 -19.87 | 49.57 -3.40 -14.70 | 66.90 -3.77 -24.05 | 106.40 -6.31 -35.90 | 124.16 -6.36 -39.66 | 195.10 -11.01 -54.31 | 126.87 -10.01 -17.54 | 75.53 -6.09 -17.25 | 62.23 -6.23 -6.80 | 36.91 -6.09 13.17 | 74.20 -7.32 -17.82 | 86.87 -7.78 -25.34 | 80.44 -7.24 -23.40 | 31.47 -6.14 25.10 | 30.53 -5.59 22.07 | 89.63 -6.80 -11.15 | 83.03 -4.60 -26.46 | 37.34 -4.23 4.92 | 61.39 -3.63 -22.45 | 62.05 -3.82 -23.21 |
| STILLWATER___SOLAR 323814 | 50.83 2.11 0.00 | 38.67 1.61 0.00 | 34.61 1.49 0.00 | 31.63 1.36 0.00 | 34.98 1.43 0.00 | 39.77 1.51 0.00 | 48.55 1.94 0.00 | 80.45 3.64 0.00 | 95.31 4.45 0.00 | 159.09 7.30 0.00 | 125.30 5.96 0.00 | 67.60 3.24 0.00 | 64.77 3.11 0.00 | 59.03 2.85 0.00 | 67.04 3.34 0.00 | 72.83 3.53 0.00 | 67.31 3.03 0.00 | 65.73 3.02 0.00 | 61.12 2.93 0.00 | 89.39 4.12 0.00 | 64.03 2.86 0.00 | 48.53 2.05 0.00 | 44.45 1.89 0.00 | 44.81 2.16 0.00 |
| STONY___BROOK 24151 | 52.66 3.18 -0.75 | 60.05 2.56 -20.43 | 35.46 2.34 0.00 | 32.41 2.13 0.00 | 35.76 2.21 0.00 | 40.69 2.42 0.00 | 49.84 3.22 0.00 | 81.33 4.52 0.00 | 97.13 5.80 -0.47 | 369.66 11.39 -206.47 | 160.76 8.08 -33.33 | 68.84 4.48 0.00 | 65.95 4.25 -0.04 | 60.58 4.29 -0.11 | 69.85 5.08 -1.08 | 74.97 5.59 -0.07 | 70.08 5.02 -0.77 | 67.78 4.89 -0.17 | 62.22 4.03 0.00 | 90.53 5.16 -0.09 | 66.95 4.35 -1.43 | 52.81 3.45 -2.88 | 65.42 3.16 -19.69 | 87.03 3.02 -41.36 |
| STURGEON_POOL_HYD 23609 | 50.47 1.74 0.00 | 38.34 1.28 0.00 | 34.32 1.20 0.00 | 31.41 1.13 0.00 | 34.78 1.23 0.00 | 39.66 1.39 0.00 | 48.58 1.96 0.00 | 80.65 3.84 0.00 | 95.37 4.51 0.00 | 159.69 7.90 0.00 | 125.60 6.26 0.00 | 67.83 3.47 0.00 | 65.01 3.35 0.00 | 59.40 3.23 0.00 | 67.47 3.77 0.00 | 73.34 4.04 0.00 | 67.95 3.67 0.00 | 65.97 3.26 0.00 | 61.17 2.98 0.00 | 89.48 4.20 0.00 | 64.34 3.16 0.00 | 48.76 2.28 0.00 | 44.47 1.91 0.00 | 44.39 1.74 0.00 |
| ST_LAW_115_BK7_LBMP 345037 | 48.99 0.26 0.00 | 37.24 0.18 0.00 | 33.20 0.08 0.00 | 30.26 -0.02 0.00 | 33.55 0.00 0.00 | 38.37 0.10 0.00 | 46.72 0.10 0.00 | 76.77 -0.04 0.00 | 90.62 -0.24 0.00 | 151.26 -0.53 0.00 | 118.93 -0.41 0.00 | 64.08 -0.28 0.00 | 61.38 -0.28 0.00 | 55.90 -0.27 0.00 | 63.42 -0.28 0.00 | 69.00 -0.30 0.00 | 64.15 -0.14 0.00 | 62.70 -0.01 0.00 | 58.15 -0.03 0.00 | 85.14 0.01 0.14 | 60.87 -0.31 0.00 | 46.16 -0.32 0.00 | 42.27 -0.30 0.00 | 42.45 -0.21 0.00 |

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|--|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ST_LAW_115_BK8_LBMP 345038 | 48.99 0.26 0.00 | 37.24 0.18 0.00 | 33.20 0.08 0.00 | 30.26 -0.02 0.00 | 33.55 0.00 0.00 | 38.37 0.10 0.00 | 46.72 0.10 0.00 | 76.77 -0.04 0.00 | 90.62 -0.24 0.00 | 151.26 -0.53 0.00 | 118.93 -0.41 0.00 | 64.08 -0.28 0.00 | 61.38 -0.28 0.00 | 55.90 -0.27 0.00 | 63.42 -0.28 0.00 | 69.00 -0.30 0.00 | 64.15 -0.14 0.00 | 62.70 -0.01 0.00 | 58.15 -0.03 0.00 | 85.14 0.01 0.14 | 60.87 -0.31 0.00 | 46.16 -0.32 0.00 | 42.27 -0.30 0.00 | 42.45 -0.21 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 48.96 0.23 0.00 | 37.22 0.16 0.00 | 33.19 0.07 0.00 | 30.25 -0.03 0.00 | 33.54 -0.01 0.00 | 38.34 0.07 0.00 | 46.68 0.06 0.00 | 76.75 -0.06 0.00 | 90.57 -0.29 0.00 | 151.17 -0.63 0.00 | 118.89 -0.45 0.00 | 64.07 -0.29 0.00 | 61.37 -0.29 0.00 | 55.90 -0.28 0.00 | 63.40 -0.30 0.00 | 69.00 -0.30 0.00 | 64.14 -0.14 0.00 | 62.71 0.00 0.00 | 58.16 -0.02 0.00 | 85.19 0.02 0.10 | 60.88 -0.30 0.00 | 46.17 -0.31 0.00 | 42.27 -0.29 0.00 | 42.44 -0.21 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 48.96 0.23 0.00 | 37.22 0.16 0.00 | 33.19 0.07 0.00 | 30.25 -0.03 0.00 | 33.54 -0.01 0.00 | 38.34 0.07 0.00 | 46.68 0.06 0.00 | 76.75 -0.06 0.00 | 90.57 -0.29 0.00 | 151.17 -0.63 0.00 | 118.89 -0.45 0.00 | 64.07 -0.29 0.00 | 61.37 -0.29 0.00 | 55.90 -0.28 0.00 | 63.40 -0.30 0.00 | 69.00 -0.30 0.00 | 64.14 -0.14 0.00 | 62.71 0.00 0.00 | 58.16 -0.02 0.00 | 85.19 0.02 0.10 | 60.88 -0.30 0.00 | 46.17 -0.31 0.00 | 42.27 -0.29 0.00 | 42.44 -0.21 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 50.02 1.29 0.00 | 38.00 0.94 0.00 | 34.02 0.90 0.00 | 31.14 0.86 0.00 | 34.49 0.94 0.00 | 39.34 1.07 0.00 | 48.14 1.52 0.00 | 79.91 3.10 0.00 | 94.36 3.50 0.00 | 157.91 6.12 0.00 | 124.24 4.90 0.00 | 67.08 2.72 0.00 | 64.30 2.64 0.00 | 58.76 2.58 0.00 | 66.76 3.06 0.00 | 72.63 3.32 0.00 | 67.27 2.99 0.00 | 65.36 2.65 0.00 | 60.58 2.39 0.00 | 88.66 3.39 0.00 | 63.71 2.54 0.00 | 48.29 1.81 0.00 | 44.03 1.47 0.00 | 44.00 1.35 0.00 |
| SWANROAD_115KV_TB1 355699 | 37.59 -5.02 6.11 | 26.14 -3.93 6.99 | 22.94 -3.61 6.57 | 20.39 -3.42 6.46 | 23.18 -3.48 6.89 | 29.74 -3.43 5.10 | 33.48 -4.75 8.40 | 54.50 -9.38 12.94 | 65.90 -10.66 14.29 | 115.19 -17.04 19.57 | 86.83 -13.89 18.62 | 45.20 -7.85 11.31 | 41.34 -7.39 12.94 | 34.26 -6.75 15.17 | 37.75 -8.18 17.77 | 37.71 -8.90 22.69 | 37.12 -8.21 18.96 | 34.32 -7.38 21.01 | 31.02 -7.10 20.07 | 41.92 -10.67 32.68 | 40.91 -7.20 13.06 | 27.17 -5.06 14.25 | 29.58 -4.44 8.55 | 29.60 -4.58 8.48 |
| SYNERGY___BIOGAS 323694 | 41.85 -2.54 4.34 | 30.01 -2.04 5.02 | 26.52 -1.89 4.70 | 23.87 -1.82 4.59 | 26.94 -1.73 4.89 | 33.18 -1.47 3.62 | 38.63 -2.02 5.97 | 63.15 -4.37 9.29 | 75.39 -5.18 10.29 | 129.17 -8.53 14.09 | 97.34 -7.79 14.20 | 51.13 -4.73 8.50 | 46.78 -4.84 10.04 | 39.40 -4.48 12.30 | 42.98 -5.33 15.39 | 42.44 -5.64 21.23 | 41.99 -5.13 17.16 | 40.57 -4.28 17.86 | 37.48 -3.69 17.01 | 49.03 -4.99 31.25 | 48.17 -3.07 9.93 | 32.87 -2.34 11.27 | 34.42 -1.96 6.19 | 34.36 -2.18 6.12 |
| SYRACUSE___ENERGY_ST1 323597 | 48.11 -0.62 0.00 | 36.59 -0.47 0.00 | 32.74 -0.38 0.00 | 29.96 -0.32 0.00 | 33.24 -0.31 0.00 | 37.93 -0.34 0.00 | 46.18 -0.44 0.00 | 75.99 -0.82 0.00 | 89.99 -0.87 0.00 | 150.27 -1.52 0.00 | 117.88 -1.46 0.00 | 63.49 -0.87 0.00 | 60.75 -0.91 0.00 | 55.20 -0.97 0.00 | 62.45 -1.25 0.00 | 68.12 -1.19 0.00 | 63.20 -1.08 0.00 | 61.79 -0.92 0.00 | 57.36 -0.83 0.00 | 84.27 -1.03 -0.02 | 60.58 -0.60 0.00 | 46.12 -0.36 0.00 | 42.28 -0.28 0.00 | 42.28 -0.37 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 48.11 -0.62 0.00 | 36.59 -0.47 0.00 | 32.74 -0.38 0.00 | 29.96 -0.32 0.00 | 33.24 -0.31 0.00 | 37.93 -0.34 0.00 | 46.18 -0.44 0.00 | 75.99 -0.82 0.00 | 89.99 -0.87 0.00 | 150.27 -1.52 0.00 | 117.88 -1.46 0.00 | 63.49 -0.87 0.00 | 60.75 -0.91 0.00 | 55.20 -0.97 0.00 | 62.45 -1.25 0.00 | 68.12 -1.19 0.00 | 63.20 -1.08 0.00 | 61.79 -0.92 0.00 | 57.36 -0.83 0.00 | 84.27 -1.03 -0.02 | 60.58 -0.60 0.00 | 46.12 -0.36 0.00 | 42.28 -0.28 0.00 | 42.28 -0.37 0.00 |
| SYRACUSE___POWER 24017 | 48.11 -0.62 0.00 | 36.66 -0.48 -0.08 | 32.79 -0.41 -0.07 | 29.93 -0.35 0.00 | 33.20 -0.35 0.00 | 37.89 -0.38 0.00 | 46.19 -0.43 0.00 | 75.98 -0.83 0.00 | 90.02 -0.84 0.00 | 150.33 -1.46 0.00 | 119.21 -1.39 -1.25 | 63.97 -0.82 -0.43 | 61.72 -0.83 -0.89 | 56.97 -0.90 -1.69 | 62.91 -1.23 -0.44 | 68.10 -1.20 0.00 | 63.37 -1.03 -0.11 | 64.98 -0.90 -3.18 | 60.34 -0.81 -2.96 | 85.34 -1.01 -1.08 | 60.88 -0.58 -0.28 | 47.98 -0.35 -1.85 | 42.34 -0.27 -0.04 | 42.29 -0.37 0.00 |
| TALLMAN___138KV_BK151 55660 | 50.15 1.43 0.00 | 38.09 1.03 0.00 | 34.11 0.99 0.00 | 31.21 0.93 0.00 | 34.58 1.03 0.00 | 39.45 1.18 0.00 | 48.33 1.71 0.00 | 80.29 3.48 0.00 | 94.74 3.88 0.00 | 158.55 6.76 0.00 | 124.77 5.43 0.00 | 67.38 3.02 0.00 | 64.60 2.94 0.00 | 59.06 2.89 0.00 | 67.15 3.45 0.00 | 73.06 3.75 0.00 | 67.68 3.40 0.00 | 65.69 2.98 0.00 | 60.81 2.62 0.00 | 89.00 3.72 0.00 | 63.97 2.79 0.00 | 48.47 1.99 0.00 | 44.16 1.60 0.00 | 44.13 1.48 0.00 |
| TEALLAVE_115KV_TB7 355573 | 47.86 -0.86 0.00 | 36.41 -0.65 0.00 | 32.56 -0.56 0.00 | 29.79 -0.49 0.00 | 33.04 -0.51 0.00 | 37.71 -0.56 0.00 | 45.96 -0.66 0.00 | 75.55 -1.27 0.00 | 89.48 -1.38 0.00 | 149.49 -2.31 0.00 | 117.30 -2.04 0.00 | 63.19 -1.17 0.00 | 60.51 -1.15 0.00 | 55.01 -1.17 0.00 | 62.23 -1.48 0.00 | 67.83 -1.48 0.00 | 62.97 -1.31 0.00 | 61.50 -1.21 0.00 | 57.08 -1.11 0.00 | 83.79 -1.51 -0.03 | 60.25 -0.93 0.00 | 45.89 -0.58 0.00 | 42.09 -0.47 0.00 | 42.09 -0.57 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 39.40 -3.72 5.61 | 27.70 -2.94 6.43 | 24.36 -2.73 6.04 | 21.76 -2.58 5.94 | 24.66 -2.58 6.32 | 31.19 -2.40 4.68 | 35.59 -3.32 7.71 | 58.12 -6.79 11.89 | 69.93 -7.78 13.15 | 121.17 -12.62 18.01 | 91.57 -10.55 17.22 | 47.78 -6.10 10.47 | 43.71 -5.91 12.03 | 36.54 -5.43 14.21 | 39.89 -6.58 17.23 | 39.59 -7.07 22.64 | 39.13 -6.45 18.70 | 37.19 -5.63 19.88 | 33.87 -5.33 18.99 | 44.79 -7.76 32.73 | 43.86 -5.14 12.17 | 29.63 -3.63 13.22 | 31.51 -3.18 7.87 | 31.50 -3.35 7.81 |
| TEMPLE___115KV_TB 2 55572 | 47.90 -0.83 0.00 | 36.43 -0.63 0.00 | 32.58 -0.54 0.00 | 29.80 -0.48 0.00 | 33.06 -0.49 0.00 | 37.72 -0.55 0.00 | 45.98 -0.64 0.00 | 75.56 -1.25 0.00 | 89.52 -1.34 0.00 | 149.56 -2.24 0.00 | 117.36 -1.98 0.00 | 63.22 -1.14 0.00 | 60.53 -1.13 0.00 | 55.03 -1.14 0.00 | 62.25 -1.45 0.00 | 67.85 -1.45 0.00 | 62.99 -1.29 0.00 | 61.51 -1.20 0.00 | 57.09 -1.10 0.00 | 83.82 -1.48 -0.03 | 60.27 -0.91 0.00 | 45.91 -0.57 0.00 | 42.10 -0.46 0.00 | 42.10 -0.56 0.00 |
| TIANA____69_KV_BK 1 55817 | 52.84 3.35 -0.75 | 60.35 2.85 -20.43 | 35.71 2.59 0.00 | 32.67 2.39 0.00 | 35.99 2.44 0.00 | 40.87 2.60 0.00 | 50.01 3.39 0.00 | 80.61 3.80 0.00 | 96.18 4.85 -0.47 | 368.18 9.91 -206.47 | 159.67 7.00 -33.33 | 68.15 3.79 0.00 | 65.25 3.55 -0.04 | 59.95 3.67 -0.11 | 69.09 4.35 -1.03 | 74.21 4.84 -0.06 | 69.37 4.34 -0.74 | 67.08 4.21 -0.16 | 61.67 3.48 0.00 | 90.07 4.71 -0.08 | 66.39 3.85 -1.36 | 52.29 2.96 -2.85 | 65.24 3.00 -19.67 | 87.08 3.07 -41.36 |
| TILDEN___115KV_TB1 80814 | 48.11 -0.62 0.00 | 36.66 -0.48 -0.08 | 32.79 -0.41 -0.07 | 29.93 -0.35 0.00 | 33.20 -0.35 0.00 | 37.89 -0.38 0.00 | 46.19 -0.43 0.00 | 75.98 -0.83 0.00 | 90.02 -0.84 0.00 | 150.33 -1.46 0.00 | 119.21 -1.39 -1.25 | 63.97 -0.82 -0.43 | 61.72 -0.83 -0.89 | 56.97 -0.90 -1.69 | 62.91 -1.23 -0.44 | 68.10 -1.20 0.00 | 63.37 -1.03 -0.11 | 64.98 -0.90 -3.18 | 60.34 -0.81 -2.96 | 85.34 -1.01 -1.08 | 60.88 -0.58 -0.28 | 47.98 -0.35 -1.85 | 42.34 -0.27 -0.04 | 42.29 -0.37 0.00 |

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|---|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| TRIGEN___CC 323695 | 52.11 2.62 -0.76 | 59.49 1.99 -20.43 | 34.96 1.84 0.00 | 31.99 1.71 0.00 | 35.36 1.80 0.00 | 40.26 1.99 0.00 | 49.30 2.68 0.00 | 81.39 4.58 0.00 | 96.91 5.64 -0.41 | 369.22 10.96 -206.47 | 160.69 8.02 -33.33 | 68.71 4.35 0.00 | 66.14 4.20 -0.28 | 61.17 4.17 -0.82 | 76.76 4.92 -8.14 | 75.17 5.35 -0.51 | 74.96 4.85 -5.84 | 68.48 4.51 -1.26 | 62.05 3.86 0.00 | 91.24 5.30 -0.66 | 76.05 4.13 -10.74 | 57.46 3.18 -7.81 | 67.73 2.71 -22.45 | 86.57 2.55 -41.36 |
| TRINITY___115KV___4 BK 55933 | 49.51 0.79 0.00 | 37.76 0.70 0.00 | 33.82 0.70 0.00 | 31.00 0.73 0.00 | 34.24 0.68 0.00 | 38.95 0.68 0.00 | 47.52 0.90 0.00 | 78.73 1.92 0.00 | 93.17 2.32 0.00 | 155.51 3.72 0.00 | 122.63 3.29 0.00 | 66.22 1.86 0.00 | 63.46 1.80 0.00 | 57.92 1.74 0.00 | 65.74 2.04 0.00 | 71.38 2.07 0.00 | 66.09 1.80 0.00 | 64.37 1.66 0.00 | 59.76 1.57 0.00 | 87.32 2.05 0.00 | 62.70 1.52 0.00 | 47.57 1.09 0.00 | 43.55 0.98 0.00 | 43.70 1.04 0.00 |
| UNION___PROCESSING_DRP 323587 | 46.43 -2.30 0.00 | 35.06 -1.81 0.19 | 31.30 -1.66 0.16 | 28.71 -1.57 0.00 | 32.00 -1.55 0.00 | 36.84 -1.43 0.00 | 44.68 -1.95 0.00 | 70.90 -4.16 1.75 | 83.16 -4.81 2.89 | 140.09 -7.74 3.96 | 106.36 -6.60 6.38 | 57.11 -3.87 3.38 | 53.02 -3.77 4.86 | 45.33 -3.50 7.34 | 48.74 -4.31 10.65 | 47.11 -4.64 17.56 | 46.89 -4.22 13.17 | 46.37 -3.73 12.61 | 42.82 -3.48 11.90 | 53.01 -4.83 27.44 | 53.95 -3.12 4.12 | 38.02 -2.23 6.22 | 38.86 -1.88 1.83 | 38.88 -2.03 1.74 |
| UPPER HUDSON___HYD 24058 | 51.64 2.92 0.00 | 39.25 2.19 0.00 | 35.10 1.98 0.00 | 31.95 1.68 0.00 | 35.23 1.68 0.00 | 39.86 1.59 0.00 | 48.47 1.85 0.00 | 80.31 3.50 0.00 | 95.33 4.47 0.00 | 159.08 7.29 0.00 | 124.88 5.54 0.00 | 67.40 3.04 0.00 | 64.65 2.99 0.00 | 58.92 2.74 0.00 | 66.85 3.15 0.00 | 72.64 3.33 0.00 | 67.11 2.82 0.00 | 65.60 2.89 0.00 | 61.02 2.83 0.00 | 89.22 3.95 0.00 | 63.80 2.62 0.00 | 48.32 1.85 0.00 | 44.30 1.74 0.00 | 45.10 2.45 0.00 |
| UPPER RAQUET___HYD 24056 | 48.73 0.01 0.00 | 36.98 -0.08 0.00 | 32.93 -0.19 0.00 | 29.94 -0.34 0.00 | 33.24 -0.31 0.00 | 38.11 -0.15 0.00 | 46.56 -0.06 0.00 | 76.49 -0.32 0.00 | 90.19 -0.66 0.00 | 163.97 -1.55 -13.73 | 141.45 -1.42 -23.53 | 77.95 -1.08 -14.68 | 65.21 -1.25 -4.80 | 54.85 -1.33 0.00 | 62.49 -1.21 0.00 | 68.30 -1.01 0.00 | 63.75 -0.54 0.00 | 62.12 -0.59 0.00 | 57.62 -0.57 0.00 | 85.79 -0.46 -0.98 | 60.37 -0.81 0.00 | 45.75 -0.80 -0.07 | 52.56 -0.90 -10.89 | 48.19 -0.83 -6.37 |
| VALLEY44_115KV_TB2 355964 | 46.39 -2.34 0.00 | 34.51 -2.14 0.42 | 30.83 -1.93 0.36 | 28.53 -1.74 0.00 | 31.86 -1.69 0.00 | 36.50 -1.77 0.00 | 44.65 -1.97 0.00 | 73.14 -3.68 0.00 | 86.92 -3.93 0.00 | 145.81 -5.99 0.00 | 105.75 -5.99 7.60 | 58.01 -3.57 2.77 | 52.83 -3.13 5.70 | 42.59 -2.76 10.83 | 53.02 -3.78 6.90 | 56.47 -3.92 8.92 | 53.15 -4.30 6.83 | 40.04 -4.03 18.64 | 36.82 -3.99 17.38 | 60.99 -5.77 18.52 | 55.25 -3.79 2.14 | 34.05 -2.60 9.83 | 39.99 -2.36 0.21 | 40.32 -2.34 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 48.49 -0.23 0.00 | 36.78 -0.28 0.00 | 32.94 -0.19 0.00 | 30.18 -0.10 0.00 | 33.37 -0.19 0.00 | 38.05 -0.22 0.00 | 46.49 -0.13 0.00 | 77.01 0.20 0.00 | 91.40 0.54 0.00 | 152.76 0.97 0.00 | 120.64 1.30 0.00 | 65.44 1.08 0.00 | 62.61 0.95 0.00 | 57.10 0.93 0.00 | 64.88 1.18 0.00 | 70.19 0.89 0.00 | 64.41 0.13 0.00 | 63.02 0.31 0.00 | 59.09 0.90 0.00 | 86.24 0.93 -0.03 | 62.00 0.82 0.00 | 47.06 0.58 0.00 | 42.93 0.37 0.00 | 42.97 0.31 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 50.61 1.88 0.00 | 38.42 1.36 0.00 | 34.35 1.23 0.00 | 31.42 1.14 0.00 | 34.89 1.34 0.00 | 39.90 1.64 0.00 | 48.81 2.19 0.00 | 80.60 3.79 0.00 | 95.48 4.62 0.00 | 159.88 8.08 0.00 | 125.47 6.10 -0.03 | 68.11 3.24 -0.51 | 65.85 3.14 -1.05 | 61.02 2.86 -1.99 | 66.83 3.10 -0.03 | 71.47 3.23 1.08 | 66.38 2.87 0.77 | 65.13 2.65 0.23 | 60.42 2.45 0.22 | 87.28 3.61 1.60 | 63.90 2.81 0.08 | 48.59 2.11 0.00 | 44.37 1.81 0.00 | 44.38 1.73 0.00 |
| VISCHER___FERRY HYD 24020 | 50.14 1.41 0.00 | 38.21 1.15 0.00 | 34.20 1.09 0.00 | 31.32 1.04 0.00 | 34.62 1.07 0.00 | 39.36 1.09 0.00 | 48.03 1.41 0.00 | 79.58 2.77 0.00 | 94.23 3.37 0.00 | 157.11 5.32 0.00 | 123.96 4.62 0.00 | 66.90 2.54 0.00 | 64.13 2.47 0.00 | 58.53 2.36 0.00 | 66.48 2.78 0.00 | 72.17 2.86 0.00 | 66.74 2.46 0.00 | 65.07 2.36 0.00 | 60.45 2.27 0.00 | 88.36 3.09 0.00 | 63.39 2.21 0.00 | 48.07 1.59 0.00 | 44.03 1.47 0.00 | 44.26 1.61 0.00 |
| V_A_10_SYNC_DSASP 323832 | 40.80 -3.67 4.27 | 29.28 -2.86 4.92 | 25.89 -2.62 4.62 | 23.29 -2.47 4.52 | 26.25 -2.50 4.81 | 32.26 -2.45 3.56 | 37.39 -3.36 5.87 | 60.81 -6.79 9.21 | 72.83 -7.77 10.26 | 125.74 -12.00 14.05 | 95.11 -10.21 14.02 | 50.28 -5.69 8.39 | 46.39 -5.42 9.84 | 39.25 -4.97 11.95 | 42.97 -6.00 14.73 | 42.86 -6.44 20.00 | 41.93 -6.08 16.28 | 39.69 -5.74 17.28 | 36.24 -5.49 16.47 | 48.10 -7.82 29.35 | 46.30 -5.10 9.78 | 31.63 -3.78 11.07 | 33.25 -3.15 6.16 | 33.29 -3.27 6.09 |
| V_CMM_10_SYNC_DSASP 323787 | 49.22 0.49 0.00 | 37.42 0.35 0.00 | 33.36 0.24 0.00 | 30.40 0.12 0.00 | 33.72 0.16 0.00 | 38.56 0.29 0.00 | 46.96 0.34 0.00 | 77.16 0.34 0.00 | 91.07 0.21 0.00 | 152.02 0.22 0.00 | 119.53 0.19 0.00 | 64.39 0.03 0.00 | 61.68 0.02 0.00 | 56.16 -0.01 0.00 | 63.71 0.01 0.00 | 69.34 0.04 0.00 | 64.47 0.18 0.00 | 63.00 0.29 0.00 | 58.44 0.24 0.00 | 85.54 0.41 0.14 | 61.17 -0.01 0.00 | 46.39 -0.09 0.00 | 42.47 -0.10 0.00 | 42.65 0.00 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 49.95 1.22 0.00 | 37.63 0.57 0.00 | 33.57 0.45 0.00 | 30.34 0.06 0.00 | 33.38 -0.17 0.00 | 37.90 -0.37 0.00 | 45.97 -0.64 0.00 | 75.47 -1.34 0.00 | 88.96 -1.90 0.00 | 69.34 -4.24 78.22 | -17.58 -2.93 134.00 | -20.56 -1.31 83.61 | 32.80 -1.52 27.34 | 55.14 -1.04 0.00 | 62.60 -1.10 0.00 | 68.41 -0.90 0.00 | 64.27 -0.01 0.00 | 63.81 1.10 0.00 | 59.39 1.20 0.00 | 87.92 2.10 -0.55 | 60.96 -0.22 0.00 | 45.23 -0.85 0.40 | -20.58 -1.08 62.06 | 5.07 -1.32 36.27 |
| V_D_10_SYNC_DSASP 323841 | 49.40 0.67 0.00 | 37.53 0.47 0.00 | 33.46 0.34 0.00 | 30.48 0.21 0.00 | 33.82 0.27 0.00 | 38.70 0.43 0.00 | 47.17 0.55 0.00 | 77.76 0.94 0.00 | 91.73 0.87 0.00 | 157.94 1.26 -4.88 | 128.66 0.96 -8.36 | 69.94 0.37 -5.22 | 63.65 0.28 -1.71 | 56.36 0.18 0.00 | 64.01 0.31 0.00 | 69.72 0.41 0.00 | 64.89 0.61 0.00 | 63.36 0.65 0.00 | 58.76 0.57 0.00 | 87.58 0.99 -1.32 | 61.55 0.37 0.00 | 46.67 0.17 -0.02 | 46.57 0.14 -3.87 | 45.13 0.21 -2.26 |
| V_E_10_SYNC_DSASP 323830 | 51.55 1.37 -1.46 | 39.27 0.11 -2.10 | 35.19 0.12 -1.94 | 32.00 0.18 -1.54 | 35.18 -0.02 -1.64 | 39.61 0.12 -1.22 | 49.25 0.60 -2.03 | 81.10 1.30 -2.99 | 96.11 2.08 -3.17 | 160.08 3.95 -4.35 | 134.07 3.39 -11.34 | 71.65 1.85 -5.44 | 72.07 1.51 -8.90 | 72.67 1.67 -14.82 | 70.53 1.83 -5.00 | 71.99 1.76 -0.92 | 68.20 2.02 -1.90 | 85.93 2.52 -20.71 | 79.30 1.75 -19.36 | 96.35 4.36 -6.72 | 70.14 4.87 -4.10 | 63.14 3.62 -13.04 | 47.07 2.40 -2.11 | 46.69 2.16 -1.88 |
| V_F_30_NSYNC___DSASP 323816 | 50.92 2.20 0.00 | 38.74 1.68 0.00 | 34.66 1.54 0.00 | 31.68 1.40 0.00 | 35.04 1.49 0.00 | 39.84 1.57 0.00 | 48.63 2.01 0.00 | 80.58 3.77 0.00 | 95.47 4.61 0.00 | 159.36 7.56 0.00 | 125.45 6.11 0.00 | 67.69 3.33 0.00 | 64.84 3.19 0.00 | 59.10 2.92 0.00 | 67.11 3.41 0.00 | 72.93 3.62 0.00 | 67.41 3.12 0.00 | 65.81 3.10 0.00 | 61.21 3.02 0.00 | 89.51 4.23 0.00 | 64.11 2.94 0.00 | 48.60 2.12 0.00 | 44.50 1.94 0.00 | 44.87 2.22 0.00 |

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| V_F_30_SYNC_DSASP 323786 | 49.70 0.98 0.00 | 37.89 0.83 0.00 | 33.94 0.82 0.00 | 31.09 0.82 0.00 | 34.34 0.79 0.00 | 39.10 0.83 0.00 | 47.72 1.10 0.00 | 79.08 2.27 0.00 | 93.59 2.73 0.00 | 156.27 4.48 0.00 | 123.20 3.86 0.00 | 66.54 2.18 0.00 | 63.77 2.11 0.00 | 58.18 2.00 0.00 | 66.02 2.32 0.00 | 71.70 2.39 0.00 | 66.37 2.09 0.00 | 64.67 1.96 0.00 | 60.04 1.86 0.00 | 87.73 2.46 0.00 | 62.98 1.81 0.00 | 47.77 1.29 0.00 | 43.71 1.15 0.00 | 43.84 1.19 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 49.95 1.22 0.00 | 37.63 0.57 0.00 | 33.57 0.45 0.00 | 30.34 0.06 0.00 | 33.38 -0.17 0.00 | 37.90 -0.37 0.00 | 45.97 -0.64 0.00 | 75.47 -1.34 0.00 | 88.96 -1.90 0.00 | 69.34 -4.24 78.22 | -17.58 -2.93 134.00 | -20.56 -1.31 83.61 | 32.80 -1.52 27.34 | 55.14 -1.04 0.00 | 62.60 -1.10 0.00 | 68.41 -0.90 0.00 | 64.27 -0.01 0.00 | 63.81 1.10 0.00 | 59.39 1.20 0.00 | 87.92 2.10 -0.55 | 60.96 -0.22 0.00 | 45.23 -0.85 0.40 | -20.58 -1.08 62.06 | 5.07 -1.32 36.27 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 50.35 1.63 0.00 | 38.24 1.18 0.00 | 34.25 1.13 0.00 | 31.34 1.06 0.00 | 34.72 1.17 0.00 | 39.61 1.34 0.00 | 48.54 1.92 0.00 | 80.64 3.83 0.00 | 95.18 4.32 0.00 | 159.31 7.52 0.00 | 125.37 6.03 0.00 | 67.70 3.34 0.00 | 64.91 3.25 0.00 | 59.34 3.17 0.00 | 67.46 3.75 0.00 | 73.40 4.09 0.00 | 67.98 3.69 0.00 | 65.99 3.28 0.00 | 61.10 2.91 0.00 | 89.43 4.15 0.00 | 64.28 3.11 0.00 | 48.70 2.22 0.00 | 44.37 1.80 0.00 | 44.33 1.67 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 50.78 2.06 0.00 | 38.59 1.53 0.00 | 34.59 1.46 0.00 | 31.66 1.38 0.00 | 35.06 1.50 0.00 | 39.98 1.71 0.00 | 49.00 2.39 0.00 | 81.43 4.62 0.00 | 96.10 5.24 0.00 | 161.03 9.23 0.00 | 126.55 7.21 0.00 | 68.37 4.01 0.00 | 65.55 3.88 0.00 | 59.94 3.77 0.00 | 68.16 4.46 0.00 | 74.12 4.82 0.00 | 68.65 4.36 0.00 | 66.62 3.91 0.00 | 61.63 3.44 0.00 | 90.09 4.82 0.00 | 64.85 3.68 0.00 | 49.16 2.69 0.00 | 44.76 2.20 0.00 | 44.66 2.01 0.00 |
| W50THST__13_KV_LOAD 356117 | 51.03 2.31 0.00 | 38.78 1.72 0.00 | 34.81 1.68 0.00 | 31.83 1.55 0.00 | 35.23 1.68 0.00 | 40.18 1.91 0.00 | 49.29 2.67 0.00 | 81.94 5.12 0.00 | 96.80 5.94 0.00 | 162.28 10.49 0.00 | 127.52 8.18 0.00 | 68.90 4.54 0.00 | 66.05 4.39 0.00 | 60.43 4.26 0.00 | 68.67 4.97 0.00 | 74.70 5.39 0.00 | 69.17 4.89 0.00 | 67.10 4.39 0.00 | 62.06 3.87 0.00 | 90.69 5.42 0.00 | 65.27 4.09 0.00 | 49.46 2.98 0.00 | 45.02 2.46 0.00 | 44.91 2.25 0.00 |
| WADING RIVER_IC_1 23522 | 52.41 2.93 -0.75 | 60.07 2.57 -20.43 | 35.48 2.36 0.00 | 32.46 2.18 0.00 | 35.78 2.23 0.00 | 40.68 2.41 0.00 | 49.76 3.14 0.00 | 80.18 3.37 0.00 | 95.72 4.39 -0.47 | 367.38 9.11 -206.47 | 159.08 6.41 -33.33 | 67.82 3.46 0.00 | 64.94 3.25 -0.04 | 59.69 3.40 -0.11 | 68.79 4.06 -1.03 | 73.85 4.48 -0.06 | 69.03 4.01 -0.74 | 66.76 3.89 -0.16 | 61.34 3.15 0.00 | 89.53 4.18 -0.08 | 66.01 3.47 -1.36 | 52.10 2.78 -2.85 | 65.10 2.87 -19.67 | 86.92 2.91 -41.36 |
| WADING RIVER_IC_2 23547 | 52.41 2.93 -0.75 | 60.07 2.57 -20.43 | 35.48 2.36 0.00 | 32.46 2.18 0.00 | 35.78 2.23 0.00 | 40.68 2.41 0.00 | 49.76 3.14 0.00 | 80.18 3.37 0.00 | 95.72 4.39 -0.47 | 367.38 9.11 -206.47 | 159.08 6.41 -33.33 | 67.82 3.46 0.00 | 64.94 3.25 -0.04 | 59.69 3.40 -0.11 | 68.79 4.06 -1.03 | 73.85 4.48 -0.06 | 69.03 4.01 -0.74 | 66.76 3.89 -0.16 | 61.34 3.15 0.00 | 89.53 4.18 -0.08 | 66.01 3.47 -1.36 | 52.10 2.78 -2.85 | 65.10 2.87 -19.67 | 86.92 2.91 -41.36 |
| WADING RIVER_IC_3 23601 | 52.41 2.93 -0.75 | 60.07 2.57 -20.43 | 35.48 2.36 0.00 | 32.46 2.18 0.00 | 35.78 2.23 0.00 | 40.68 2.41 0.00 | 49.76 3.14 0.00 | 80.18 3.37 0.00 | 95.72 4.39 -0.47 | 367.38 9.11 -206.47 | 159.08 6.41 -33.33 | 67.82 3.46 0.00 | 64.94 3.25 -0.04 | 59.69 3.40 -0.11 | 68.79 4.06 -1.03 | 73.85 4.48 -0.06 | 69.03 4.01 -0.74 | 66.76 3.89 -0.16 | 61.34 3.15 0.00 | 89.53 4.18 -0.08 | 66.01 3.47 -1.36 | 52.10 2.78 -2.85 | 65.10 2.87 -19.67 | 86.92 2.91 -41.36 |
| WALDENNY_12_KV_BK2 80841 | 40.45 -3.44 4.84 | 28.65 -2.78 5.63 | 25.24 -2.61 5.28 | 22.65 -2.50 5.12 | 25.65 -2.45 5.45 | 31.99 -2.24 4.04 | 36.81 -3.13 6.68 | 60.09 -6.37 10.35 | 72.51 -6.91 11.44 | 125.44 -10.69 15.67 | 93.63 -9.23 16.47 | 49.42 -5.34 9.60 | 45.18 -5.02 11.47 | 37.33 -4.59 14.25 | 42.48 -5.76 15.46 | 43.43 -6.19 19.68 | 42.17 -5.77 16.35 | 36.88 -5.25 20.58 | 33.51 -5.10 19.57 | 48.19 -7.64 29.44 | 45.25 -5.07 10.86 | 29.50 -3.55 13.43 | 32.65 -3.04 6.88 | 32.69 -3.19 6.77 |
| WALDEN__HYDRO 24148 | 50.33 1.61 0.00 | 38.23 1.17 0.00 | 34.23 1.12 0.00 | 31.33 1.05 0.00 | 34.70 1.15 0.00 | 39.58 1.31 0.00 | 48.47 1.85 0.00 | 80.50 3.69 0.00 | 95.11 4.25 0.00 | 159.17 7.38 0.00 | 125.21 5.87 0.00 | 67.62 3.26 0.00 | 64.81 3.15 0.00 | 59.21 3.04 0.00 | 67.26 3.56 0.00 | 73.15 3.85 0.00 | 67.76 3.48 0.00 | 65.86 3.15 0.00 | 61.05 2.86 0.00 | 89.35 4.08 0.00 | 64.21 3.03 0.00 | 48.66 2.18 0.00 | 44.36 1.80 0.00 | 44.30 1.65 0.00 |
| WARRENSBURG____ 23737 | 51.64 2.92 0.00 | 39.25 2.19 0.00 | 35.10 1.97 0.00 | 31.95 1.68 0.00 | 35.23 1.68 0.00 | 39.86 1.59 0.00 | 48.47 1.85 0.00 | 80.30 3.49 0.00 | 95.33 4.47 0.00 | 159.10 7.31 0.00 | 124.89 5.54 0.00 | 67.40 3.04 0.00 | 64.66 3.00 0.00 | 58.93 2.75 0.00 | 66.85 3.15 0.00 | 72.66 3.35 0.00 | 67.12 2.84 0.00 | 65.61 2.90 0.00 | 61.02 2.83 0.00 | 89.24 3.96 0.00 | 63.81 2.64 0.00 | 48.32 1.84 0.00 | 44.30 1.74 0.00 | 45.11 2.45 0.00 |
| WATERSIDE____6 8 9 23538 | 49.74 2.18 1.17 | 35.22 1.63 3.47 | 30.52 1.57 4.17 | 27.15 1.47 4.60 | 31.06 1.59 4.08 | 36.84 1.80 3.22 | 47.56 2.50 1.56 | 83.66 4.79 -2.06 | 108.68 5.43 -12.39 | 163.06 9.49 -1.78 | 125.35 7.36 1.36 | 62.72 4.12 5.76 | 59.30 3.97 6.33 | 55.10 3.87 4.95 | 64.48 4.56 3.78 | 71.89 4.93 2.34 | 65.52 4.46 3.23 | 60.55 3.98 6.14 | 54.58 3.55 7.16 | 87.96 4.95 2.26 | 58.47 3.80 6.50 | 39.63 2.79 9.63 | 38.29 2.28 6.56 | 42.32 2.15 2.48 |
| WATKINRD_115KV_LN8_ILLION 55919 | 48.67 -0.05 0.00 | 36.97 -0.09 0.00 | 33.08 -0.04 0.00 | 30.28 0.00 0.00 | 33.52 -0.03 0.00 | 38.22 -0.05 0.00 | 46.66 0.04 0.00 | 77.18 0.37 0.00 | 91.47 0.61 0.00 | 152.81 1.01 0.00 | 120.51 1.17 0.00 | 65.24 0.88 0.00 | 62.45 0.79 0.00 | 56.94 0.77 0.00 | 64.65 0.95 0.00 | 70.04 0.73 0.00 | 64.51 0.22 0.00 | 63.04 0.33 0.00 | 58.89 0.70 0.00 | 86.09 0.78 -0.03 | 61.87 0.69 0.00 | 46.96 0.48 0.00 | 42.89 0.33 0.00 | 42.94 0.29 0.00 |
| WATSON__69_KV_BK 1 55734 | 53.01 3.53 -0.75 | 60.25 2.76 -20.43 | 35.64 2.52 0.00 | 32.59 2.31 0.00 | 35.99 2.44 0.00 | 40.97 2.70 0.00 | 50.20 3.58 0.00 | 82.21 5.40 0.00 | 98.22 6.90 -0.46 | 371.69 13.42 -206.47 | 162.43 9.76 -33.33 | 69.58 5.22 0.00 | 66.70 4.99 -0.05 | 61.28 4.96 -0.15 | 70.92 5.81 -1.41 | 75.79 6.39 -0.09 | 71.04 5.74 -1.01 | 68.42 5.48 -0.23 | 62.80 4.61 0.00 | 91.66 6.27 -0.11 | 68.05 5.00 -1.87 | 53.55 3.92 -3.14 | 65.92 3.52 -19.83 | 87.35 3.34 -41.36 |
| WDELAWARE__HYD 323627 | 50.45 1.72 0.00 | 38.32 1.25 0.00 | 34.29 1.16 0.00 | 31.37 1.09 0.00 | 34.78 1.23 0.00 | 39.71 1.44 0.00 | 48.64 2.02 0.00 | 80.79 3.98 0.00 | 95.52 4.66 0.00 | 160.07 8.27 0.00 | 125.95 6.61 0.00 | 68.01 3.66 0.00 | 65.21 3.55 0.00 | 59.47 3.29 0.00 | 67.51 3.80 0.00 | 73.39 4.08 0.00 | 67.93 3.65 0.00 | 66.10 3.39 0.00 | 61.35 3.16 0.00 | 89.84 4.57 0.00 | 64.56 3.38 0.00 | 48.90 2.42 0.00 | 44.55 1.99 0.00 | 44.45 1.80 0.00 |

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| WEST BABYLON___IC 23714 | 52.86 3.38 -0.75 | 60.11 2.61 -20.43 | 35.52 2.40 0.00 | 32.46 2.18 0.00 | 35.87 2.31 0.00 | 40.83 2.56 0.00 | 50.02 3.40 0.00 | 82.15 5.33 0.00 | 98.08 6.76 -0.46 | 371.40 13.14 -206.47 | 162.27 9.59 -33.33 | 69.48 5.13 0.00 | 66.66 4.91 -0.08 | 61.32 4.90 -0.24 | 71.69 5.74 -2.25 | 75.75 6.30 -0.14 | 71.57 5.68 -1.61 | 68.44 5.36 -0.37 | 62.72 4.53 0.00 | 91.65 6.19 -0.18 | 69.05 4.90 -2.97 | 54.10 3.84 -3.78 | 66.15 3.39 -20.19 | 87.21 3.20 -41.36 |
| WEST CANADA___HYD 24049 | 48.68 -0.05 0.00 | 37.02 -0.04 0.00 | 33.09 -0.03 0.00 | 30.25 -0.03 0.00 | 33.52 -0.03 0.00 | 38.23 -0.05 0.00 | 46.57 -0.05 0.00 | 76.80 -0.01 0.00 | 90.94 0.08 0.00 | 151.93 0.14 0.00 | 119.52 0.18 0.00 | 64.54 0.18 0.00 | 61.84 0.19 0.00 | 56.36 0.18 0.00 | 63.95 0.25 0.00 | 69.48 0.17 0.00 | 64.42 0.13 0.00 | 62.82 0.11 0.00 | 58.31 0.12 0.00 | 85.48 0.17 -0.03 | 61.35 0.17 0.00 | 46.58 0.10 0.00 | 42.61 0.05 0.00 | 42.71 0.05 0.00 |
| WESTERN_NY_WIND 24143 | 41.43 -2.65 4.65 | 29.57 -2.13 5.36 | 26.09 -2.00 5.03 | 23.45 -1.91 4.92 | 26.49 -1.82 5.24 | 32.85 -1.53 3.88 | 38.09 -2.14 6.39 | 62.27 -4.62 9.93 | 74.45 -5.42 11.00 | 127.60 -9.14 15.06 | 96.26 -8.14 14.95 | 50.42 -4.96 8.98 | 46.11 -5.02 10.53 | 38.78 -4.63 12.77 | 42.28 -5.58 15.84 | 41.73 -6.00 21.57 | 41.35 -5.39 17.54 | 40.01 -4.34 18.36 | 36.86 -3.83 17.50 | 48.35 -5.31 31.62 | 47.29 -3.40 10.48 | 32.34 -2.39 11.75 | 33.86 -2.10 6.60 | 33.82 -2.30 6.53 |
| WESTOVER___LESR 323668 | 47.96 -0.76 0.00 | 36.14 -0.75 0.17 | 32.29 -0.69 0.14 | 29.72 -0.56 0.00 | 33.01 -0.54 0.00 | 37.72 -0.55 0.00 | 46.12 -0.50 0.00 | 76.02 -0.79 0.00 | 90.04 -0.81 0.00 | 150.45 -1.35 0.00 | 115.99 -1.70 1.66 | 63.37 -0.98 0.00 | 60.72 -0.94 0.00 | 55.24 -0.94 0.00 | 61.43 -1.24 1.03 | 65.94 -1.04 2.32 | 61.19 -1.18 1.92 | 54.27 -1.20 7.24 | 50.33 -1.11 6.75 | 78.24 -1.32 5.71 | 59.63 -0.78 0.77 | 41.94 -0.59 3.96 | 42.03 -0.45 0.09 | 42.08 -0.58 0.00 |
| WETHRSFD_WT_PWR 323626 | 0.03 -4.85 43.84 | -15.41 -3.81 48.66 | -16.28 -3.59 45.81 | -19.29 -3.18 46.39 | -19.20 -3.35 49.41 | -2.09 -3.80 36.56 | -17.40 -4.32 59.71 | -20.50 -7.55 89.77 | -16.02 -8.41 98.47 | 2.71 -14.24 134.85 | 6.55 -12.25 100.53 | -10.09 -6.79 67.66 | -12.96 -6.66 67.96 | -14.37 -6.24 64.30 | -22.61 -7.36 78.95 | -22.56 -7.77 84.11 | -21.22 -7.60 77.91 | -13.78 -7.51 68.97 | -16.21 -6.92 67.48 | -23.75 -8.67 100.36 | -24.10 -5.78 79.50 | -20.74 -4.74 62.48 | -19.86 -4.23 58.19 | -20.22 -4.38 58.48 |
| WHAVSTOR_138KV_BK127 55557 | 50.17 1.44 0.00 | 38.11 1.05 0.00 | 34.14 1.02 0.00 | 31.24 0.96 0.00 | 34.61 1.06 0.00 | 39.46 1.19 0.00 | 48.33 1.71 0.00 | 80.25 3.44 0.00 | 94.71 3.85 0.00 | 158.51 6.72 0.00 | 124.71 5.37 0.00 | 67.34 2.98 0.00 | 64.57 2.92 0.00 | 59.05 2.87 0.00 | 67.12 3.42 0.00 | 73.01 3.70 0.00 | 67.63 3.35 0.00 | 65.68 2.97 0.00 | 60.81 2.62 0.00 | 89.00 3.72 0.00 | 63.98 2.80 0.00 | 48.47 2.00 0.00 | 44.19 1.62 0.00 | 44.15 1.50 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 50.17 1.44 0.00 | 38.11 1.05 0.00 | 34.14 1.02 0.00 | 31.24 0.96 0.00 | 34.61 1.06 0.00 | 39.46 1.19 0.00 | 48.33 1.71 0.00 | 80.25 3.44 0.00 | 94.71 3.85 0.00 | 158.51 6.72 0.00 | 124.71 5.37 0.00 | 67.34 2.98 0.00 | 64.57 2.92 0.00 | 59.05 2.87 0.00 | 67.12 3.42 0.00 | 73.01 3.70 0.00 | 67.63 3.35 0.00 | 65.68 2.97 0.00 | 60.81 2.62 0.00 | 89.00 3.72 0.00 | 63.98 2.80 0.00 | 48.47 2.00 0.00 | 44.19 1.62 0.00 | 44.15 1.50 0.00 |
| WHITEHAL_115KV_TB1 80871 | 53.12 4.39 0.00 | 40.33 3.27 0.00 | 36.01 2.89 0.00 | 32.85 2.57 0.00 | 36.25 2.70 0.00 | 41.08 2.81 0.00 | 49.82 3.20 0.00 | 82.45 5.64 0.00 | 98.28 7.42 0.00 | 163.23 11.44 0.00 | 127.70 8.36 0.00 | 68.92 4.55 0.00 | 66.11 4.45 0.00 | 60.47 4.29 0.00 | 68.57 4.87 0.00 | 74.50 5.19 0.00 | 68.79 4.51 0.00 | 67.54 4.83 0.00 | 62.84 4.66 0.00 | 91.89 6.62 0.00 | 65.29 4.12 0.00 | 49.19 2.71 0.00 | 45.50 2.94 0.00 | 45.96 3.30 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 50.97 2.25 0.00 | 38.72 1.66 0.00 | 34.68 1.56 0.00 | 31.74 1.46 0.00 | 35.15 1.59 0.00 | 40.08 1.82 0.00 | 49.15 2.53 0.00 | 81.69 4.88 0.00 | 96.57 5.71 0.00 | 161.82 10.03 0.00 | 127.25 7.91 0.00 | 68.72 4.36 0.00 | 65.87 4.21 0.00 | 60.23 4.05 0.00 | 68.44 4.74 0.00 | 74.44 5.13 0.00 | 68.93 4.64 0.00 | 66.96 4.25 0.00 | 61.95 3.76 0.00 | 90.63 5.35 0.00 | 65.15 3.97 0.00 | 49.37 2.89 0.00 | 44.97 2.41 0.00 | 44.87 2.22 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 52.62 3.14 -0.75 | 60.12 2.62 -20.43 | 35.53 2.41 0.00 | 32.50 2.23 0.00 | 35.86 2.31 0.00 | 40.75 2.49 0.00 | 49.87 3.25 0.00 | 80.83 4.02 0.00 | 96.52 5.19 -0.47 | 368.79 10.53 -206.47 | 160.17 7.49 -33.33 | 68.40 4.04 0.00 | 65.50 3.80 -0.04 | 60.18 3.90 -0.11 | 69.36 4.61 -1.05 | 74.49 5.12 -0.07 | 69.64 4.60 -0.75 | 67.31 4.43 -0.17 | 61.86 3.67 0.00 | 90.27 4.91 -0.09 | 66.56 4.00 -1.39 | 52.47 3.13 -2.86 | 65.31 3.06 -19.68 | 87.05 3.04 -41.36 |
| WOODARD___115KV_TB2 355635 | 47.85 -0.87 0.00 | 36.40 -0.66 0.00 | 32.56 -0.56 0.00 | 29.79 -0.49 0.00 | 33.04 -0.52 0.00 | 37.69 -0.58 0.00 | 45.91 -0.71 0.00 | 75.47 -1.34 0.00 | 89.38 -1.48 0.00 | 149.29 -2.50 0.00 | 117.18 -2.16 0.00 | 63.13 -1.23 0.00 | 60.43 -1.23 0.00 | 54.95 -1.23 0.00 | 62.18 -1.52 0.00 | 67.78 -1.52 0.00 | 62.93 -1.36 0.00 | 61.44 -1.27 0.00 | 57.03 -1.16 0.00 | 83.74 -1.56 -0.03 | 60.19 -0.99 0.00 | 45.86 -0.62 0.00 | 42.05 -0.51 0.00 | 42.05 -0.60 0.00 |
| YORK___WARBASSE 23770 | 57.09 2.53 -5.84 | 56.29 1.90 -17.33 | 55.74 1.81 -20.81 | 54.99 1.69 -23.02 | 55.75 1.83 -20.37 | 56.41 2.07 -16.07 | 57.25 2.84 -7.79 | 91.15 5.26 -9.07 | 112.24 6.02 -15.36 | 164.44 10.44 -2.21 | 134.20 8.10 -6.76 | 97.63 4.51 -28.76 | 97.60 4.36 -31.58 | 97.59 4.21 -37.19 | 97.65 4.95 -29.00 | 99.64 5.28 -25.05 | 98.76 4.87 -29.60 | 97.71 4.36 -30.63 | 97.80 3.92 -35.69 | 102.09 5.54 -11.27 | 97.83 4.21 -32.44 | 97.66 3.12 -48.06 | 77.85 2.59 -32.70 | 57.51 2.46 -12.40 |