

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

06/21/2024

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| 59TH STREET_GT_1 | 39.68 | 37.10 | 34.18 | 33.31 | 32.37 | 33.67 | 36.79 | 41.16 | 45.80 | 51.80 | 55.26 | 63.32 | 68.99 | 74.77 | 82.64 | 98.48 | 106.49 | 126.08 | 109.49 | 79.90 | 68.83 | 61.39 | 53.23 | 43.05 |
| 24138 | 3.14 | 2.75 | 2.12 | 1.95 | 1.95 | 1.97 | 2.60 | 3.43 | 4.13 | 4.45 | 4.93 | 5.86 | 6.89 | 7.41 | 8.65 | 10.88 | 11.49 | 13.40 | 11.03 | 7.26 | 6.20 | 5.02 | 4.48 | 3.66 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_1 | 39.75 | 36.89 | 34.21 | 33.37 | 32.40 | 33.67 | 36.79 | 41.16 | 45.76 | 51.76 | 55.25 | 63.26 | 68.81 | 74.63 | 82.35 | 98.13 | 106.02 | 125.41 | 109.09 | 79.54 | 68.70 | 61.56 | 53.38 | 43.20 |
| 24260 | 3.22 | 2.54 | 2.15 | 2.01 | 1.98 | 1.97 | 2.60 | 3.43 | 4.08 | 4.40 | 4.93 | 5.80 | 6.71 | 7.27 | 8.36 | 10.53 | 11.02 | 12.73 | 10.63 | 6.90 | 6.07 | 5.19 | 4.63 | 3.82 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_2 | 39.75 | 36.89 | 34.21 | 33.37 | 32.40 | 33.67 | 36.79 | 41.16 | 45.76 | 51.76 | 55.25 | 63.26 | 68.81 | 74.63 | 82.35 | 98.13 | 106.02 | 125.41 | 109.09 | 79.54 | 68.70 | 61.56 | 53.38 | 43.20 |
| 24261 | 3.22 | 2.54 | 2.15 | 2.01 | 1.98 | 1.97 | 2.60 | 3.43 | 4.08 | 4.40 | 4.93 | 5.80 | 6.71 | 7.27 | 8.36 | 10.53 | 11.02 | 12.73 | 10.63 | 6.90 | 6.07 | 5.19 | 4.63 | 3.82 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK HUDSON___FALLS | 39.46 | 36.79 | 34.18 | 33.37 | 32.40 | 33.74 | 36.38 | 40.33 | 44.88 | 51.00 | 53.69 | 61.48 | 66.45 | 71.47 | 78.65 | 92.49 | 102.32 | 122.15 | 107.32 | 79.03 | 68.08 | 61.23 | 52.35 | 42.18 |
| 24011 | 2.92 | 2.44 | 2.12 | 2.01 | 1.98 | 2.03 | 2.19 | 2.60 | 3.21 | 3.65 | 3.37 | 4.02 | 4.35 | 4.11 | 4.66 | 5.96 | 7.32 | 9.47 | 8.86 | 6.39 | 5.45 | 4.85 | 3.61 | 2.80 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK RESOURCE___RCVRY | 39.75 | 37.24 | 34.38 | 33.56 | 32.62 | 33.96 | 36.66 | 40.63 | 45.26 | 51.38 | 54.10 | 62.05 | 67.01 | 72.00 | 79.32 | 93.18 | 103.17 | 123.39 | 108.40 | 79.90 | 68.70 | 61.68 | 52.75 | 42.50 |
| 23798 | 3.22 | 2.89 | 2.31 | 2.19 | 2.19 | 2.25 | 2.46 | 2.91 | 3.58 | 4.02 | 3.78 | 4.60 | 4.90 | 4.64 | 5.33 | 6.65 | 8.17 | 10.71 | 9.94 | 7.26 | 6.07 | 5.30 | 4.00 | 3.11 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK S GLENS___FALLS | 39.46 | 36.79 | 34.18 | 33.37 | 32.40 | 33.74 | 36.38 | 40.33 | 44.88 | 51.00 | 53.69 | 61.48 | 66.45 | 71.47 | 78.65 | 92.49 | 102.32 | 122.15 | 107.32 | 79.03 | 68.08 | 61.23 | 52.35 | 42.18 |
| 24028 | 2.92 | 2.44 | 2.12 | 2.01 | 1.98 | 2.03 | 2.19 | 2.60 | 3.21 | 3.65 | 3.37 | 4.02 | 4.35 | 4.11 | 4.66 | 5.96 | 7.32 | 9.47 | 8.86 | 6.39 | 5.45 | 4.85 | 3.61 | 2.80 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK_NYS___DAM | 38.88 | 36.45 | 33.76 | 33.03 | 32.13 | 33.32 | 36.04 | 39.99 | 44.30 | 50.43 | 53.24 | 60.90 | 65.70 | 71.33 | 78.65 | 92.89 | 101.84 | 120.90 | 105.64 | 77.72 | 66.95 | 59.99 | 51.57 | 41.71 |
| 23527 | 2.34 | 2.10 | 1.70 | 1.66 | 1.70 | 1.62 | 1.85 | 2.26 | 2.63 | 3.08 | 2.92 | 3.45 | 3.60 | 3.97 | 4.66 | 6.30 | 6.84 | 8.22 | 7.18 | 5.08 | 4.32 | 3.61 | 2.83 | 2.32 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AIR_PRODUCTS___DRP | 37.63 | 35.25 | 33.00 | 32.25 | 31.34 | 32.53 | 34.95 | 38.71 | 42.72 | 48.54 | 51.38 | 58.43 | 63.09 | 68.44 | 75.32 | 88.45 | 97.00 | 115.05 | 100.53 | 73.95 | 63.75 | 57.62 | 49.67 | 40.17 |
| 24190 | 1.10 | 0.89 | 0.93 | 0.88 | 0.91 | 0.82 | 0.75 | 0.98 | 1.04 | 1.18 | 1.06 | 0.98 | 0.99 | 1.08 | 1.33 | 1.90 | 2.00 | 2.37 | 2.07 | 1.31 | 1.13 | 1.24 | 0.93 | 0.79 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AKWESSNE_115KV_BK | 35.22 | 33.70 | 31.49 | 30.80 | 29.88 | 31.17 | 33.48 | 36.52 | 40.30 | 45.74 | 48.51 | 55.33 | 59.55 | 64.53 | 70.44 | 82.26 | 90.82 | 107.72 | 94.03 | 69.66 | 60.31 | 54.24 | 46.89 | 37.89 |
| 355683 | -1.32 | -0.65 | -0.58 | -0.56 | -0.55 | -0.54 | -0.72 | -1.21 | -1.38 | -1.61 | -1.81 | -2.13 | -2.55 | -2.83 | -3.55 | -4.06 | -4.18 | -4.96 | -4.43 | -2.98 | -2.32 | -2.14 | -1.85 | -1.50 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY_1_SOLAR | 38.47 | 36.17 | 33.64 | 32.90 | 31.95 | 33.20 | 35.66 | 39.27 | 43.30 | 48.96 | 51.68 | 58.54 | 63.28 | 68.70 | 75.76 | 89.11 | 97.85 | 116.39 | 101.90 | 75.25 | 64.88 | 58.80 | 50.75 | 41.04 |
| 323833 | 1.94 | 1.82 | 1.57 | 1.54 | 1.52 | 1.49 | 1.47 | 1.55 | 1.62 | 1.61 | 1.36 | 1.09 | 1.18 | 1.35 | 1.77 | 2.59 | 2.85 | 3.71 | 3.44 | 2.61 | 2.25 | 2.42 | 2.00 | 1.65 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY_2_SOLAR | 38.47 | 36.17 | 33.64 | 32.87 | 31.95 | 33.17 | 35.66 | 39.27 | 43.26 | 48.96 | 51.68 | 58.54 | 63.28 | 68.70 | 75.69 | 89.11 | 97.76 | 116.39 | 101.90 | 75.25 | 64.88 | 58.80 | 50.75 | 41.04 |
| 323834 | 1.94 | 1.82 | 1.57 | 1.51 | 1.52 | 1.46 | 1.47 | 1.55 | 1.58 | 1.61 | 1.36 | 1.09 | 1.18 | 1.35 | 1.70 | 2.59 | 2.76 | 3.71 | 3.44 | 2.61 | 2.25 | 2.42 | 2.00 | 1.65 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY___1 | 37.63 | 35.25 | 33.00 | 32.25 | 31.34 | 32.53 | 34.95 | 38.71 | 42.72 | 48.54 | 51.38 | 58.43 | 63.09 | 68.44 | 75.32 | 88.45 | 97.00 | 115.05 | 100.53 | 73.95 | 63.75 | 57.62 | 49.67 | 40.17 |
| 23571 | 1.10 | 0.89 | 0.93 | 0.88 | 0.91 | 0.82 | 0.75 | 0.98 | 1.04 | 1.18 | 1.06 | 0.98 | 0.99 | 1.08 | 1.33 | 1.90 | 2.00 | 2.37 | 2.07 | 1.31 | 1.13 | 1.24 | 0.93 | 0.79 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ALBANY___2 23572 | 37.63 1.10 0.00 | 35.25 0.89 0.00 | 33.00 0.93 0.00 | 32.25 0.88 0.00 | 31.34 0.91 0.00 | 32.53 0.82 0.00 | 34.95 0.75 0.00 | 38.71 0.98 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.38 1.06 0.00 | 58.43 0.98 0.00 | 63.09 0.99 0.00 | 68.44 1.08 0.00 | 75.32 1.33 0.00 | 88.45 1.90 -0.23 | 97.00 2.00 0.00 | 115.05 2.37 0.00 | 100.53 2.07 0.00 | 73.95 1.31 0.00 | 63.75 1.13 0.00 | 57.62 1.24 0.00 | 49.67 0.93 0.00 | 40.17 0.79 0.00 |
| ALBANY___3 23573 | 37.63 1.10 0.00 | 35.25 0.89 0.00 | 33.00 0.93 0.00 | 32.25 0.88 0.00 | 31.34 0.91 0.00 | 32.53 0.82 0.00 | 34.95 0.75 0.00 | 38.71 0.98 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.38 1.06 0.00 | 58.43 0.98 0.00 | 63.09 0.99 0.00 | 68.44 1.08 0.00 | 75.32 1.33 0.00 | 88.45 1.90 -0.23 | 97.00 2.00 0.00 | 115.05 2.37 0.00 | 100.53 2.07 0.00 | 73.95 1.31 0.00 | 63.75 1.13 0.00 | 57.62 1.24 0.00 | 49.67 0.93 0.00 | 40.17 0.79 0.00 |
| ALBANY___4 23574 | 37.63 1.10 0.00 | 35.25 0.89 0.00 | 33.00 0.93 0.00 | 32.25 0.88 0.00 | 31.34 0.91 0.00 | 32.53 0.82 0.00 | 34.95 0.75 0.00 | 38.71 0.98 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.38 1.06 0.00 | 58.43 0.98 0.00 | 63.09 0.99 0.00 | 68.44 1.08 0.00 | 75.32 1.33 0.00 | 88.45 1.90 -0.23 | 97.00 2.00 0.00 | 115.05 2.37 0.00 | 100.53 2.07 0.00 | 73.95 1.31 0.00 | 63.75 1.13 0.00 | 57.62 1.24 0.00 | 49.67 0.93 0.00 | 40.17 0.79 0.00 |
| ALBANY___LFGE 323615 | 38.07 1.53 0.00 | 35.83 1.48 0.00 | 33.31 1.25 0.00 | 32.56 1.19 0.00 | 31.64 1.22 0.00 | 32.88 1.17 0.00 | 35.36 1.16 0.00 | 39.12 1.40 0.00 | 43.30 1.62 0.00 | 49.15 1.80 0.00 | 52.03 1.71 0.00 | 59.35 1.89 0.00 | 64.09 1.99 0.00 | 69.45 2.09 0.00 | 76.50 2.52 0.00 | 89.91 3.36 -0.23 | 98.52 3.52 0.00 | 116.96 4.28 0.00 | 102.11 3.65 0.00 | 75.18 2.54 0.00 | 64.76 2.13 0.00 | 58.35 1.97 0.00 | 50.31 1.56 0.00 | 40.68 1.30 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 35.19 -1.35 0.00 | 33.67 -0.69 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.85 -0.58 0.00 | 31.17 -0.54 0.00 | 33.48 -0.72 0.00 | 36.48 -1.24 0.00 | 40.13 -1.54 0.00 | 45.55 -1.80 0.00 | 48.31 -2.01 0.00 | 55.04 -2.41 0.00 | 59.24 -2.86 0.00 | 64.12 -3.23 0.00 | 69.99 -4.00 0.00 | 81.66 -4.66 0.00 | 90.16 -4.84 0.00 | 107.05 -5.63 0.00 | 93.34 -5.12 0.00 | 69.30 -3.34 0.00 | 60.06 -2.57 0.00 | 54.01 -2.37 0.00 | 46.70 -2.05 0.00 | 37.81 -1.58 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 35.19 -1.35 0.00 | 33.67 -0.69 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.85 -0.58 0.00 | 31.17 -0.54 0.00 | 33.48 -0.72 0.00 | 36.48 -1.24 0.00 | 40.13 -1.54 0.00 | 45.55 -1.80 0.00 | 48.31 -2.01 0.00 | 55.04 -2.41 0.00 | 59.24 -2.86 0.00 | 64.12 -3.23 0.00 | 69.99 -4.00 0.00 | 81.66 -4.66 0.00 | 90.16 -4.84 0.00 | 107.05 -5.63 0.00 | 93.34 -5.12 0.00 | 69.30 -3.34 0.00 | 60.06 -2.57 0.00 | 54.01 -2.37 0.00 | 46.70 -2.05 0.00 | 37.81 -1.58 0.00 |
| ALCOA___DSASP 323711 | 35.19 -1.35 0.00 | 33.36 -1.00 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.85 -0.58 0.00 | 31.17 -0.54 0.00 | 33.44 -0.75 0.00 | 36.48 -1.24 0.00 | 40.13 -1.54 0.00 | 45.55 -1.80 0.00 | 48.31 -2.01 0.00 | 54.81 -2.64 0.00 | 59.12 -2.98 0.00 | 63.99 -3.37 0.00 | 69.69 -4.29 0.00 | 81.40 -4.92 0.00 | 89.78 -5.22 0.00 | 106.70 -5.98 0.00 | 93.05 -5.42 0.00 | 68.79 -3.85 0.00 | 59.94 -2.69 0.00 | 54.12 -2.26 0.00 | 46.70 -2.05 0.00 | 37.81 -1.58 0.00 |
| ALLEGHENY___COGEN 23514 | 39.28 2.74 0.00 | 36.48 2.13 0.00 | 33.47 1.41 0.00 | 32.78 1.41 0.00 | 31.61 1.19 0.00 | 33.42 1.71 0.00 | 36.45 2.26 0.00 | 40.21 2.49 0.00 | 41.93 0.25 0.00 | 47.40 0.05 0.00 | 50.77 0.45 0.00 | 57.74 0.29 0.00 | 57.75 -4.35 0.00 | 62.78 -4.58 0.00 | 69.33 -4.66 0.00 | 80.02 -6.30 0.00 | 88.83 -6.17 0.00 | 106.26 -6.42 0.00 | 95.31 -3.15 0.00 | 71.84 -0.80 0.00 | 61.62 -1.00 0.00 | 59.82 3.44 0.00 | 52.06 3.32 0.00 | 43.05 3.66 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 37.96 1.42 0.00 | 35.49 1.13 0.00 | 33.12 1.06 0.00 | 32.40 1.04 0.00 | 31.49 1.06 0.00 | 32.69 0.98 0.00 | 35.22 1.03 0.00 | 39.05 1.32 0.00 | 43.18 1.50 0.00 | 49.01 1.66 0.00 | 51.98 1.66 0.00 | 59.18 1.72 0.00 | 64.03 1.93 0.00 | 69.45 2.09 0.00 | 76.43 2.44 0.00 | 89.65 3.11 -0.22 | 98.32 3.32 0.00 | 116.62 3.94 0.00 | 101.91 3.45 0.00 | 75.04 2.40 0.00 | 64.76 2.13 0.00 | 58.35 1.97 0.00 | 50.36 1.61 0.00 | 40.72 1.34 0.00 |
| ALTONA_WT_PWR 323606 | 35.81 -0.73 0.00 | 33.98 -0.38 0.00 | 32.03 -0.03 0.00 | 31.30 -0.06 0.00 | 30.37 -0.06 0.00 | 31.74 0.03 0.00 | 34.13 -0.07 0.00 | 37.31 -0.41 0.00 | 41.18 -0.50 0.00 | 46.69 -0.66 0.00 | 49.47 -0.86 0.00 | 55.15 -2.30 0.00 | 59.49 -2.61 0.00 | 64.53 -2.83 0.00 | 69.18 -4.81 0.00 | 80.88 -5.44 0.00 | 89.30 -5.70 0.00 | 106.14 -6.54 0.00 | 92.45 -6.01 0.00 | 68.36 -4.29 0.00 | 60.50 -2.13 0.00 | 55.53 -0.84 0.00 | 47.82 -0.93 0.00 | 38.64 -0.75 0.00 |
| AMERICAN_REF_FUEL 24010 | 36.72 0.18 0.00 | 33.91 -0.45 0.00 | 30.91 -1.15 0.00 | 30.49 -0.88 0.00 | 29.12 -1.31 0.00 | 30.98 -0.73 0.00 | 33.75 -0.45 0.00 | 37.57 -0.15 0.00 | 40.93 -0.75 0.00 | 46.64 -0.71 0.00 | 50.32 0.00 0.00 | 57.23 -0.23 0.00 | 62.10 0.00 0.00 | 67.62 0.27 0.01 | 74.13 0.15 0.01 | 85.28 -1.03 0.01 | 94.13 -0.86 0.01 | 111.09 -1.58 0.01 | 98.16 -0.29 0.01 | 72.56 -0.07 0.01 | 62.00 -0.63 0.00 | 56.27 -0.11 0.00 | 49.63 0.88 0.00 | 40.21 0.83 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 38.84 2.30 0.00 | 35.86 1.51 0.00 | 32.83 0.77 0.00 | 32.21 0.85 0.00 | 30.94 0.52 0.00 | 32.79 1.08 0.00 | 36.00 1.81 0.00 | 40.36 2.64 0.00 | 44.05 2.37 0.00 | 50.19 2.84 0.00 | 54.20 3.88 0.00 | 61.88 4.42 0.00 | 67.07 4.97 0.00 | 73.16 5.79 0.00 | 80.28 6.29 0.00 | 92.36 6.04 0.00 | 101.93 6.93 0.00 | 120.23 7.55 0.00 | 106.34 7.88 0.00 | 78.75 6.10 0.00 | 67.14 4.51 0.00 | 60.55 4.17 0.00 | 53.18 4.44 0.00 | 42.89 3.50 0.00 |
| ARTHUR KILL_GT_1 23520 | 39.72 3.18 -0.01 | 37.14 2.78 -0.01 | 34.22 2.15 -0.01 | 33.35 1.98 -0.01 | 32.40 1.98 0.00 | 33.51 1.81 0.00 | 36.52 2.33 0.00 | 40.89 3.17 0.01 | 43.77 3.88 1.78 | 44.31 4.07 7.12 | 46.27 4.33 8.38 | 46.88 5.34 15.92 | 46.91 6.21 21.40 | 51.47 6.80 22.69 | 59.95 8.07 22.10 | 75.79 10.18 20.71 | 83.80 10.36 21.56 | 103.22 12.06 21.52 | 83.03 10.05 25.48 | 56.98 6.32 21.98 | 46.91 5.64 21.35 | 49.67 4.74 11.45 | 46.54 4.44 6.64 | 43.16 3.78 0.01 |
| ARTHUR_KILL_2 23512 | 39.58 3.03 -0.01 | 37.01 2.65 -0.01 | 34.09 2.02 -0.01 | 33.26 1.88 -0.01 | 32.28 1.86 0.00 | 33.39 1.68 0.00 | 36.41 2.22 0.00 | 40.74 3.02 0.01 | 43.60 3.71 1.78 | 44.12 3.88 7.12 | 46.06 4.13 8.38 | 46.59 5.06 15.92 | 46.60 5.90 21.40 | 51.07 6.40 22.69 | 59.51 7.62 22.10 | 75.19 9.58 20.71 | 83.23 9.79 21.56 | 102.53 11.38 21.52 | 82.44 9.45 25.48 | 56.54 5.88 21.98 | 46.54 5.26 21.35 | 49.33 4.40 11.45 | 46.30 4.19 6.64 | 43.00 3.62 0.01 |
| ARTHUR_KILL_3 23513 | 39.28 2.74 0.00 | 36.69 2.34 0.00 | 33.80 1.73 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.29 1.58 0.00 | 36.38 2.19 0.00 | 40.67 2.94 0.00 | 43.36 3.46 1.78 | 43.84 3.60 7.11 | 45.92 3.97 8.38 | 46.42 4.88 15.92 | 46.42 5.71 21.39 | 50.87 6.19 22.68 | 59.22 7.33 22.09 | 74.86 9.24 20.70 | 82.95 9.50 21.55 | 102.22 11.05 21.51 | 82.15 9.16 25.47 | 56.63 5.96 21.97 | 46.42 5.14 21.34 | 49.11 4.17 11.44 | 45.92 3.80 6.63 | 42.65 3.27 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ARTHUR_KILL_COGEN 323718 | 39.72 3.18 -0.01 | 37.14 2.78 -0.01 | 34.22 2.15 -0.01 | 33.35 1.98 -0.01 | 32.40 1.98 0.00 | 33.51 1.81 0.00 | 36.52 2.33 0.00 | 40.89 3.17 0.01 | 43.77 3.88 1.78 | 44.31 4.07 7.12 | 46.27 4.33 8.38 | 46.88 5.34 15.92 | 46.91 6.21 21.40 | 51.47 6.80 22.69 | 59.95 8.07 22.10 | 75.79 10.18 20.71 | 83.80 10.36 21.56 | 103.22 12.06 21.52 | 83.03 10.05 25.48 | 56.98 6.32 21.98 | 46.91 5.64 21.35 | 49.67 4.74 11.45 | 46.54 4.44 6.64 | 43.16 3.78 0.01 |
| ASHOKAN____ 23654 | 39.46 2.92 0.00 | 36.89 2.54 0.00 | 34.21 2.15 0.00 | 33.34 1.98 0.00 | 32.43 2.01 0.00 | 33.45 1.74 0.00 | 35.90 1.71 0.00 | 39.12 1.40 0.00 | 43.01 1.33 0.00 | 48.77 1.42 0.00 | 51.68 1.36 0.00 | 58.60 1.15 0.00 | 63.28 1.18 0.00 | 68.43 1.07 0.00 | 75.10 1.11 0.00 | 92.89 6.48 -0.09 | 97.28 2.28 0.00 | 117.76 5.08 0.00 | 101.70 3.24 0.00 | 74.82 2.18 0.00 | 64.19 1.57 0.00 | 58.75 2.37 0.00 | 51.18 2.44 0.00 | 41.39 2.01 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 39.65 3.10 -0.01 | 37.07 2.71 -0.01 | 34.16 2.08 -0.01 | 33.29 1.91 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.57 -0.01 | 41.09 3.36 -0.01 | 45.60 3.92 -0.01 | 51.38 4.02 0.00 | 54.66 4.33 -0.01 | 62.69 5.23 -0.01 | 68.13 6.02 -0.01 | 73.90 6.53 -0.01 | 81.76 7.77 -0.01 | 97.36 9.75 -1.29 | 108.66 9.79 -3.87 | 127.80 11.38 -3.74 | 108.02 9.55 -0.01 | 78.68 6.03 -0.01 | 67.96 5.32 -0.01 | 60.79 4.40 -0.01 | 52.99 4.24 -0.01 | 43.09 3.70 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 39.65 3.10 -0.01 | 37.07 2.71 -0.01 | 34.16 2.08 -0.01 | 33.29 1.91 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.57 -0.01 | 41.09 3.36 -0.01 | 45.60 3.92 -0.01 | 51.38 4.02 0.00 | 54.66 4.33 -0.01 | 62.69 5.23 -0.01 | 68.13 6.02 -0.01 | 73.90 6.53 -0.01 | 81.76 7.77 -0.01 | 97.36 9.75 -1.29 | 108.66 9.79 -3.87 | 127.80 11.38 -3.74 | 108.02 9.55 -0.01 | 78.68 6.03 -0.01 | 67.96 5.32 -0.01 | 60.79 4.40 -0.01 | 52.99 4.24 -0.01 | 43.09 3.70 -0.01 |
| ASTORIA_GT2_1 24094 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT2_2 24095 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT2_3 24096 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT2_4 24097 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT3_1 24098 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT3_2 24099 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT3_3 24100 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT3_4 24101 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT4_1 24102 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT4_2 24103 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT4_3 24104 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |

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|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ASTORIA_GT4_4 24105 | 39.69 3.14 -0.01 | 36.83 2.47 -0.01 | 34.16 2.08 -0.01 | 33.32 1.94 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.77 2.56 -0.01 | 41.13 3.40 -0.01 | 45.64 3.96 -0.01 | 51.43 4.07 0.00 | 54.91 4.58 -0.01 | 62.69 5.23 -0.01 | 68.07 5.96 -0.01 | 73.76 6.40 -0.01 | 81.47 7.47 -0.01 | 97.19 9.58 -1.29 | 108.56 9.69 -3.87 | 127.69 11.27 -3.74 | 107.82 9.35 -0.01 | 78.53 5.88 -0.01 | 67.90 5.26 -0.01 | 60.90 4.51 -0.01 | 53.00 4.24 -0.01 | 43.13 3.74 -0.01 |
| ASTORIA_GT_1 23523 | 39.76 3.22 -0.01 | 37.18 2.82 -0.01 | 34.22 2.15 -0.01 | 33.38 2.01 -0.01 | 32.41 1.98 -0.01 | 33.71 2.00 -0.01 | 36.87 2.67 -0.01 | 41.20 3.47 -0.01 | 45.72 4.04 -0.01 | 51.57 4.21 0.00 | 54.86 4.53 -0.01 | 62.92 5.46 -0.01 | 68.38 6.27 -0.01 | 74.24 6.87 -0.01 | 82.06 8.07 -0.01 | 97.70 10.09 -1.29 | 109.04 10.17 -3.87 | 128.25 11.83 -3.74 | 108.41 9.94 -0.01 | 78.97 6.32 -0.01 | 68.21 5.57 -0.01 | 61.01 4.62 -0.01 | 53.14 4.39 -0.01 | 43.21 3.82 -0.01 |
| ASTORIA_GT_10 24110 | 39.57 3.03 0.00 | 36.72 2.37 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.59 2.39 0.00 | 40.98 3.24 -0.01 | 45.52 3.83 -0.01 | 51.33 3.98 0.00 | 54.65 4.33 0.00 | 62.45 5.00 0.00 | 67.81 5.71 0.00 | 73.55 6.20 0.00 | 81.16 7.18 0.00 | 96.92 9.32 -1.28 | 104.50 9.50 0.00 | 123.61 10.93 0.00 | 103.57 9.06 3.94 | 78.10 5.67 0.20 | 58.59 5.07 9.11 | 60.78 4.40 0.00 | 52.89 4.14 0.00 | 43.06 3.66 -0.01 |
| ASTORIA_GT_11 24225 | 39.57 3.03 0.00 | 36.72 2.37 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.59 2.39 0.00 | 40.98 3.24 -0.01 | 45.52 3.83 -0.01 | 51.33 3.98 0.00 | 54.65 4.33 0.00 | 62.45 5.00 0.00 | 67.81 5.71 0.00 | 73.55 6.20 0.00 | 81.16 7.18 0.00 | 96.92 9.32 -1.28 | 104.50 9.50 0.00 | 123.61 10.93 0.00 | 103.57 9.06 3.94 | 78.10 5.67 0.20 | 58.59 5.07 9.11 | 60.78 4.40 0.00 | 52.89 4.14 0.00 | 43.06 3.66 -0.01 |
| ASTORIA_GT_12 24226 | 39.57 3.03 0.00 | 36.72 2.37 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.59 2.39 0.00 | 40.98 3.24 -0.01 | 45.52 3.83 -0.01 | 51.33 3.98 0.00 | 54.65 4.33 0.00 | 62.45 5.00 0.00 | 67.81 5.71 0.00 | 73.55 6.20 0.00 | 81.16 7.18 0.00 | 96.92 9.32 -1.28 | 104.50 9.50 0.00 | 123.61 10.93 0.00 | 103.57 9.06 3.94 | 78.10 5.67 0.20 | 58.59 5.07 9.11 | 60.78 4.40 0.00 | 52.89 4.14 0.00 | 43.06 3.66 -0.01 |
| ASTORIA_GT_13 24227 | 39.57 3.03 0.00 | 36.72 2.37 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.59 2.39 0.00 | 40.98 3.24 -0.01 | 45.52 3.83 -0.01 | 51.33 3.98 0.00 | 54.65 4.33 0.00 | 62.45 5.00 0.00 | 67.81 5.71 0.00 | 73.55 6.20 0.00 | 81.16 7.18 0.00 | 96.92 9.32 -1.28 | 104.50 9.50 0.00 | 123.61 10.93 0.00 | 103.57 9.06 3.94 | 78.10 5.67 0.20 | 58.59 5.07 9.11 | 60.78 4.40 0.00 | 52.89 4.14 0.00 | 43.06 3.66 -0.01 |
| ASTORIA_GT_5 24106 | 39.76 3.22 -0.01 | 36.90 2.54 -0.01 | 34.22 2.15 -0.01 | 33.38 2.01 -0.01 | 32.41 1.98 -0.01 | 33.71 2.00 -0.01 | 36.83 2.63 -0.01 | 41.20 3.47 -0.01 | 45.77 4.08 -0.01 | 51.57 4.21 0.00 | 55.06 4.73 -0.01 | 62.92 5.46 -0.01 | 68.26 6.15 -0.01 | 74.03 6.67 -0.01 | 81.76 7.77 -0.01 | 97.54 9.93 -1.29 | 108.84 9.97 -3.87 | 128.03 11.61 -3.74 | 108.22 9.75 -0.01 | 78.75 6.10 -0.01 | 68.15 5.51 -0.01 | 61.06 4.68 -0.01 | 53.14 4.39 -0.01 | 43.21 3.82 -0.01 |
| ASTORIA_GT_7 24107 | 39.76 3.22 -0.01 | 36.90 2.54 -0.01 | 34.22 2.15 -0.01 | 33.38 2.01 -0.01 | 32.41 1.98 -0.01 | 33.71 2.00 -0.01 | 36.83 2.63 -0.01 | 41.20 3.47 -0.01 | 45.77 4.08 -0.01 | 51.57 4.21 0.00 | 55.06 4.73 -0.01 | 62.92 5.46 -0.01 | 68.26 6.15 -0.01 | 74.03 6.67 -0.01 | 81.76 7.77 -0.01 | 97.54 9.93 -1.29 | 108.84 9.97 -3.87 | 128.03 11.61 -3.74 | 108.22 9.75 -0.01 | 78.75 6.10 -0.01 | 68.15 5.51 -0.01 | 61.06 4.68 -0.01 | 53.14 4.39 -0.01 | 43.21 3.82 -0.01 |
| ASTORIA_GT_8 24108 | 39.76 3.22 -0.01 | 36.90 2.54 -0.01 | 34.22 2.15 -0.01 | 33.38 2.01 -0.01 | 32.41 1.98 -0.01 | 33.71 2.00 -0.01 | 36.83 2.63 -0.01 | 41.20 3.47 -0.01 | 45.77 4.08 -0.01 | 51.57 4.21 0.00 | 55.06 4.73 -0.01 | 62.92 5.46 -0.01 | 68.26 6.15 -0.01 | 74.03 6.67 -0.01 | 81.76 7.77 -0.01 | 97.54 9.93 -1.29 | 108.84 9.97 -3.87 | 128.03 11.61 -3.74 | 108.22 9.75 -0.01 | 78.75 6.10 -0.01 | 68.15 5.51 -0.01 | 61.06 4.68 -0.01 | 53.14 4.39 -0.01 | 43.21 3.82 -0.01 |
| ASTORIA___2 24149 | 39.69 3.14 -0.01 | 37.11 2.75 -0.01 | 34.16 2.08 -0.01 | 33.32 1.95 -0.01 | 32.35 1.92 -0.01 | 33.65 1.93 -0.01 | 36.80 2.60 -0.01 | 41.13 3.40 -0.01 | 45.60 3.92 -0.01 | 51.43 4.07 0.00 | 54.71 4.38 -0.01 | 62.74 5.28 -0.01 | 68.20 6.09 -0.01 | 73.97 6.60 -0.01 | 81.76 7.77 -0.01 | 97.36 9.75 -1.29 | 108.66 9.79 -3.87 | 127.80 11.38 -3.74 | 108.02 9.55 -0.01 | 78.75 6.10 -0.01 | 68.02 5.39 -0.01 | 60.84 4.45 -0.01 | 52.99 4.24 -0.01 | 43.14 3.74 -0.01 |
| ASTORIA___3 23516 | 39.57 3.03 0.00 | 37.00 2.65 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.62 2.43 0.00 | 40.98 3.24 -0.01 | 45.56 3.88 -0.01 | 51.33 3.98 0.00 | 54.55 4.23 0.00 | 62.57 5.11 0.00 | 68.00 5.90 0.00 | 73.69 6.33 0.00 | 81.54 7.55 0.00 | 97.10 9.50 -1.28 | 104.59 9.59 0.00 | 123.84 11.16 0.00 | 103.77 9.25 3.94 | 78.32 5.88 0.20 | 58.71 5.20 9.11 | 60.72 4.34 0.00 | 52.94 4.19 0.00 | 43.06 3.66 -0.01 |
| ASTORIA___4 23517 | 39.57 3.03 0.00 | 36.72 2.37 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.59 2.39 0.00 | 40.98 3.24 -0.01 | 45.52 3.83 -0.01 | 51.33 3.98 0.00 | 54.65 4.33 0.00 | 62.45 5.00 0.00 | 67.81 5.71 0.00 | 73.55 6.20 0.00 | 81.16 7.18 0.00 | 96.92 9.32 -1.28 | 104.50 9.50 0.00 | 123.61 10.93 0.00 | 103.57 9.06 3.94 | 78.10 5.67 0.20 | 58.59 5.07 9.11 | 60.78 4.40 0.00 | 52.89 4.14 0.00 | 43.06 3.66 -0.01 |
| ASTORIA___5 23518 | 39.57 3.03 0.00 | 37.00 2.65 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.62 2.43 0.00 | 40.98 3.24 -0.01 | 45.56 3.88 -0.01 | 51.33 3.98 0.00 | 54.55 4.23 0.00 | 62.57 5.11 0.00 | 68.00 5.90 0.00 | 73.69 6.33 0.00 | 81.54 7.55 0.00 | 97.10 9.50 -1.28 | 104.59 9.59 0.00 | 123.84 11.16 0.00 | 103.77 9.25 3.94 | 78.32 5.88 0.20 | 58.71 5.20 9.11 | 60.72 4.34 0.00 | 52.94 4.19 0.00 | 43.06 3.66 -0.01 |
| AST_ENERGY_2_CC3 323677 | 39.39 2.85 0.00 | 36.83 2.47 0.00 | 33.89 1.83 0.00 | 33.06 1.69 0.00 | 32.13 1.70 0.00 | 33.39 1.68 0.00 | 36.45 2.26 0.00 | 40.74 3.02 0.00 | 45.30 3.62 0.00 | 51.18 3.83 0.01 | 54.55 4.23 0.00 | 62.57 5.11 0.00 | 68.12 6.02 0.00 | 73.89 6.53 0.00 | 81.61 7.62 0.00 | 97.27 9.67 -1.28 | 104.97 9.97 0.00 | 124.29 11.61 0.00 | 108.11 9.65 0.00 | 78.96 6.32 0.00 | 68.01 5.39 0.00 | 60.78 4.40 0.00 | 52.79 4.04 0.00 | 42.77 3.39 0.00 |
| AST_ENERGY_2_CC4 323678 | 39.39 2.85 0.00 | 36.83 2.47 0.00 | 33.89 1.83 0.00 | 33.06 1.69 0.00 | 32.13 1.70 0.00 | 33.39 1.68 0.00 | 36.45 2.26 0.00 | 40.74 3.02 0.00 | 45.30 3.62 0.00 | 51.18 3.83 0.01 | 54.55 4.23 0.00 | 62.57 5.11 0.00 | 68.12 6.02 0.00 | 73.89 6.53 0.00 | 81.61 7.62 0.00 | 97.27 9.67 -1.28 | 104.97 9.97 0.00 | 124.29 11.61 0.00 | 108.11 9.65 0.00 | 78.96 6.32 0.00 | 68.01 5.39 0.00 | 60.78 4.40 0.00 | 52.79 4.04 0.00 | 42.77 3.39 0.00 |

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|--------------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|--------------------------|--------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| ATHENS_STG_1 23668 | 38.11 1.57 0.00 | 35.76 1.41 0.00 | 33.19 1.12 0.00 | 32.46 1.10 0.00 | 31.55 1.13 0.00 | 32.75 1.04 0.00 | 35.39 1.20 0.00 | 39.27 1.55 0.00 | 43.55 1.88 0.00 | 49.39 2.03 0.00 | 52.43 2.11 0.00 | 59.98 2.53 0.00 | 64.96 2.86 0.00 | 70.46 3.10 0.00 | 77.69 3.70 0.00 | 91.10 4.49 -0.30 | 99.65 4.65 0.00 | 118.09 5.41 0.00 | 103.09 4.63 0.00 | 75.83 3.19 0.00 | 65.32 2.69 0.00 | 58.64 2.26 0.00 | 50.70 1.95 0.00 | 41.00 1.62 0.00 |
| ATHENS_STG_2 23670 | 38.11 1.57 0.00 | 35.76 1.41 0.00 | 33.19 1.12 0.00 | 32.46 1.10 0.00 | 31.55 1.13 0.00 | 32.75 1.04 0.00 | 35.39 1.20 0.00 | 39.27 1.55 0.00 | 43.55 1.88 0.00 | 49.39 2.03 0.00 | 52.43 2.11 0.00 | 59.98 2.53 0.00 | 64.96 2.86 0.00 | 70.46 3.10 0.00 | 77.69 3.70 0.00 | 91.10 4.49 -0.30 | 99.65 4.65 0.00 | 118.09 5.41 0.00 | 103.09 4.63 0.00 | 75.83 3.19 0.00 | 65.32 2.69 0.00 | 58.64 2.26 0.00 | 50.70 1.95 0.00 | 41.00 1.62 0.00 |
| ATHENS_STG_3 23677 | 38.11 1.57 0.00 | 35.76 1.41 0.00 | 33.19 1.12 0.00 | 32.46 1.10 0.00 | 31.55 1.13 0.00 | 32.75 1.04 0.00 | 35.39 1.20 0.00 | 39.27 1.55 0.00 | 43.55 1.88 0.00 | 49.39 2.03 0.00 | 52.43 2.11 0.00 | 59.98 2.53 0.00 | 64.96 2.86 0.00 | 70.46 3.10 0.00 | 77.69 3.70 0.00 | 91.10 4.49 -0.30 | 99.65 4.65 0.00 | 118.09 5.41 0.00 | 103.09 4.63 0.00 | 75.83 3.19 0.00 | 65.32 2.69 0.00 | 58.64 2.26 0.00 | 50.70 1.95 0.00 | 41.00 1.62 0.00 |
| AUBURN___LFGE 323710 | 38.42 0.84 -1.04 | 35.44 0.41 -0.68 | 32.69 0.32 -0.30 | 31.84 0.28 -0.19 | 30.67 0.21 -0.03 | 32.35 0.41 -0.24 | 35.78 0.72 -0.87 | 40.23 1.17 -1.33 | 44.64 1.13 -1.84 | 51.47 1.37 -2.74 | 55.32 1.56 -3.44 | 63.92 1.90 -4.57 | 69.50 2.11 -5.29 | 75.35 2.36 -5.64 | 83.26 2.59 -6.69 | 97.63 2.68 -8.64 | 107.16 2.95 -9.21 | 126.58 3.49 -10.41 | 111.39 3.35 -9.58 | 82.12 2.76 -6.72 | 69.98 2.00 -5.35 | 62.60 1.86 -4.36 | 53.54 1.61 -3.19 | 42.20 1.10 -1.72 |
| BABYLON_RES_REC 323704 | 78.99 3.69 -38.76 | 52.57 3.27 -14.96 | 46.20 2.60 -11.54 | 41.71 2.45 -7.90 | 41.16 2.43 -8.29 | 41.97 2.47 -7.79 | 44.28 3.04 -7.04 | 47.10 3.81 -5.57 | 64.92 4.58 -18.66 | 87.66 5.12 -35.19 | 63.78 5.39 -8.07 | 76.26 6.38 -12.43 | 92.82 7.39 -23.33 | 96.23 8.08 -20.79 | 104.40 9.32 -21.09 | 247.25 11.48 -149.45 | 295.09 12.16 -187.93 | 285.75 14.31 -158.76 | 178.30 12.31 -67.53 | 92.44 8.35 -11.45 | 93.73 7.14 -23.97 | 84.95 5.92 -22.66 | 64.74 5.16 -10.83 | 62.04 4.22 -18.44 |
| BABYLON__69_KV_BK2 356345 | 79.58 4.27 -38.76 | 52.85 3.54 -14.96 | 46.68 3.08 -11.54 | 42.18 2.92 -7.90 | 41.61 2.89 -8.29 | 42.41 2.92 -7.79 | 44.76 3.52 -7.04 | 47.67 4.38 -5.57 | 65.58 5.25 -18.66 | 88.51 5.97 -35.19 | 65.53 6.29 -8.91 | 90.34 7.30 -25.59 | 119.92 8.26 -49.56 | 125.45 9.03 -49.06 | 130.63 10.36 -46.29 | 253.15 12.77 -154.05 | 296.23 13.49 -187.74 | 287.15 15.89 -158.58 | 192.87 13.69 -80.73 | 117.22 9.08 -35.50 | 121.56 8.02 -50.92 | 105.72 6.88 -42.46 | 67.79 6.00 -13.05 | 63.00 4.88 -18.73 |
| BALL_HILL_WT_PWR 323825 | 38.11 1.57 0.00 | 35.24 0.89 0.00 | 32.26 0.19 0.00 | 31.65 0.28 0.00 | 30.43 0.00 0.00 | 32.18 0.48 0.00 | 35.29 1.09 0.00 | 39.50 1.77 0.00 | 43.05 1.37 0.00 | 49.11 1.75 0.00 | 52.99 2.67 0.00 | 60.44 2.99 0.00 | 65.58 3.48 0.00 | 71.47 4.11 0.00 | 78.43 4.44 0.00 | 90.29 3.97 0.00 | 99.66 4.65 0.00 | 117.64 4.95 0.00 | 103.97 5.51 0.00 | 77.00 4.36 0.00 | 65.63 3.01 0.00 | 59.31 2.93 0.00 | 52.11 3.36 0.00 | 42.06 2.68 0.00 |
| BARON_WINDS___WT_PWR 323822 | 38.26 1.46 -0.26 | 35.48 0.96 -0.17 | 32.53 0.39 -0.07 | 31.85 0.44 -0.05 | 30.68 0.24 -0.01 | 32.40 0.63 -0.06 | 35.60 1.20 -0.21 | 39.83 1.77 -0.33 | 43.59 1.46 -0.46 | 49.78 1.75 -0.68 | 53.59 2.42 -0.85 | 61.46 2.87 -1.13 | 66.51 3.10 -1.31 | 72.32 3.57 -1.40 | 79.64 3.99 -1.66 | 92.16 3.71 -2.14 | 101.75 4.47 -2.28 | 120.21 4.95 -2.58 | 106.14 5.31 -2.37 | 78.74 4.43 -1.66 | 67.08 3.13 -1.32 | 60.44 2.99 -1.08 | 52.61 3.07 -0.79 | 42.21 2.40 -0.42 |
| BARRETT_IC_1 23704 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_10 23701 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 75.32 10.07 29.75 | 72.91 11.83 51.60 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_11 23702 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 75.32 10.07 29.75 | 72.91 11.83 51.60 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_12 23703 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 75.32 10.07 29.75 | 72.91 11.83 51.60 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_2 23705 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_3 23706 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_4 23707 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |

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| BARRETT_IC_5 23708 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_6 23709 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_7 23710 | 78.63 3.32 -38.76 | 51.95 2.65 -14.96 | 45.91 2.31 -11.54 | 41.46 2.20 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.90 2.67 -7.04 | 46.65 3.36 -5.57 | 64.17 3.83 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.67 5.57 -5.64 | 79.02 6.09 -10.84 | 81.35 6.67 -7.32 | 90.70 7.62 -9.10 | 243.16 9.58 -147.26 | 319.88 10.07 -214.81 | 309.14 11.72 -184.74 | 169.65 9.94 -61.24 | 79.18 6.54 0.00 | 79.46 5.70 -11.14 | 74.51 4.90 -13.22 | 62.80 4.48 -9.57 | 61.34 3.66 -18.30 |
| BARRETT_IC_8 23711 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT_IC_9 23700 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 75.32 10.07 29.75 | 72.91 11.83 51.60 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT___1 23545 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 319.88 10.07 -214.81 | 309.25 11.83 -184.74 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BARRETT___2 23546 | 78.63 3.32 -38.76 | 52.23 2.92 -14.96 | 45.91 2.31 -11.54 | 41.46 2.19 -7.90 | 40.91 2.19 -8.29 | 41.65 2.16 -7.79 | 43.93 2.70 -7.04 | 46.65 3.36 -5.57 | 64.21 3.88 -18.66 | 86.61 4.07 -35.19 | 62.67 4.68 -7.66 | 68.78 5.69 -5.64 | 79.15 6.21 -10.84 | 81.48 6.80 -7.32 | 90.85 7.77 -9.10 | 243.33 9.75 -147.26 | 75.32 10.07 29.75 | 72.91 11.83 51.60 | 169.85 10.14 -61.24 | 79.55 6.90 0.00 | 79.59 5.83 -11.14 | 74.39 4.79 -13.22 | 62.80 4.48 -9.57 | 61.35 3.66 -18.30 |
| BATAVIA__115KV_TB1 55881 | 38.00 1.46 0.00 | 34.66 0.31 0.00 | 32.23 0.16 0.00 | 31.49 0.13 0.00 | 30.30 -0.12 0.00 | 32.15 0.44 0.00 | 35.12 0.92 0.00 | 39.27 1.55 0.00 | 42.84 1.17 0.00 | 48.77 1.42 0.00 | 52.38 2.06 0.00 | 59.58 2.13 0.00 | 64.65 2.55 0.00 | 70.39 3.03 0.00 | 77.31 3.33 0.00 | 88.99 2.68 0.00 | 98.13 3.13 0.00 | 116.51 3.83 0.00 | 102.69 4.23 0.00 | 76.27 3.63 0.00 | 65.01 2.38 0.00 | 58.80 2.42 0.00 | 51.57 2.83 0.00 | 41.67 2.28 0.00 |
| BAYONEEC___CTG1 323682 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG10 323750 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG2 323683 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG3 323684 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG4 323685 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG5 323686 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG6 323687 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |

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| BAYONEEC___CTG7 323688 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG8 323689 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BAYONEEC___CTG9 323749 | 39.42 2.89 0.00 | 36.86 2.51 0.00 | 33.96 1.89 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.24 3.88 0.00 | 46.86 4.27 7.74 | 47.79 5.17 14.84 | 47.79 6.09 20.40 | 52.24 6.53 21.65 | 60.03 7.69 21.65 | 75.67 9.67 20.32 | 83.76 10.07 21.31 | 103.03 11.72 21.37 | 82.96 9.75 25.25 | 57.44 6.32 21.52 | 47.79 5.45 20.28 | 50.90 4.45 9.93 | 47.79 4.04 5.00 | 42.85 3.47 0.00 |
| BEACON___LESR 323632 | 38.33 1.79 0.00 | 36.04 1.68 0.00 | 33.47 1.41 0.00 | 32.72 1.35 0.00 | 31.80 1.37 0.00 | 33.04 1.33 0.00 | 35.56 1.37 0.00 | 39.35 1.62 0.00 | 43.51 1.83 0.00 | 49.39 2.03 0.00 | 52.34 2.01 0.00 | 59.58 2.13 0.00 | 64.27 2.17 0.00 | 69.65 2.29 0.00 | 76.73 2.74 0.00 | 90.26 3.71 -0.23 | 98.90 3.90 0.00 | 117.52 4.84 0.00 | 102.69 4.23 0.00 | 75.55 2.91 0.00 | 65.01 2.38 0.00 | 58.69 2.31 0.00 | 50.65 1.90 0.00 | 40.92 1.53 0.00 |
| BEAVER RIVER___HYD 24048 | 38.06 0.91 -0.61 | 35.57 0.82 -0.39 | 32.94 0.70 -0.17 | 32.16 0.69 -0.11 | 31.05 0.61 -0.02 | 32.67 0.82 -0.14 | 35.65 0.96 -0.50 | 39.44 0.94 -0.78 | 43.41 0.66 -1.07 | 49.80 0.85 -1.59 | 52.97 0.65 -2.00 | 60.68 0.57 -2.66 | 65.55 0.37 -3.08 | 70.97 0.34 -3.28 | 78.17 0.30 -3.89 | 91.34 0.00 -5.02 | 100.74 0.38 -5.36 | 119.63 0.90 -6.05 | 105.22 1.19 -5.57 | 77.86 1.31 -3.91 | 66.93 1.19 -3.11 | 60.38 1.46 -2.54 | 51.77 1.17 -1.85 | 41.40 1.02 -1.00 |
| BEEBEE_GT_13 23619 | 37.34 0.80 0.00 | 34.35 0.00 0.00 | 31.97 -0.10 0.00 | 31.27 -0.09 0.00 | 30.18 -0.24 0.00 | 31.77 0.06 0.00 | 34.64 0.44 0.00 | 38.63 0.91 0.00 | 42.34 0.67 0.00 | 48.25 0.90 0.00 | 51.68 1.36 0.00 | 58.89 1.44 0.00 | 63.84 1.74 0.00 | 69.31 1.95 0.00 | 76.21 2.22 0.00 | 88.13 1.81 0.00 | 97.28 2.28 0.00 | 115.27 2.59 0.00 | 101.12 2.66 0.00 | 74.89 2.25 0.00 | 64.01 1.38 0.00 | 57.84 1.47 0.00 | 50.45 1.71 0.00 | 40.68 1.30 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 40.05 3.51 -0.01 | 37.14 2.78 -0.01 | 34.41 2.34 -0.01 | 33.57 2.20 -0.01 | 32.59 2.16 0.00 | 33.77 2.06 0.00 | 36.89 2.70 0.00 | 41.35 3.62 -0.01 | 46.02 4.33 -0.01 | 51.99 4.64 0.00 | 55.40 5.08 0.00 | 82.75 5.98 -19.32 | 80.53 6.83 -11.60 | 80.37 7.41 -5.61 | 82.63 8.58 -0.06 | 116.75 10.96 -19.47 | 106.21 11.21 0.00 | 125.75 13.07 0.00 | 116.86 10.83 -7.57 | 79.84 6.83 -0.37 | 86.18 6.20 -17.35 | 150.83 5.41 -89.04 | 76.33 4.97 -22.61 | 50.84 4.21 -7.24 |
| BETHLEHEM___GRP 23843 | 37.63 1.10 0.00 | 35.25 0.89 0.00 | 33.00 0.93 0.00 | 32.25 0.88 0.00 | 31.34 0.91 0.00 | 32.53 0.82 0.00 | 34.95 0.75 0.00 | 38.71 0.98 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.38 1.06 0.00 | 58.43 0.98 0.00 | 63.09 0.99 0.00 | 68.44 1.08 0.00 | 75.32 1.33 0.00 | 88.45 1.90 -0.23 | 97.00 2.00 0.00 | 115.05 2.37 0.00 | 100.53 2.07 0.00 | 73.95 1.31 0.00 | 63.75 1.13 0.00 | 57.62 1.24 0.00 | 49.67 0.93 0.00 | 40.17 0.79 0.00 |
| BETHLEHEM___GS1 323560 | 37.63 1.10 0.00 | 35.42 1.07 0.00 | 33.00 0.93 0.00 | 32.24 0.88 0.00 | 31.34 0.91 0.00 | 32.53 0.82 0.00 | 34.98 0.79 0.00 | 38.70 0.98 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.38 1.06 0.00 | 58.49 1.04 0.00 | 63.16 1.05 0.00 | 68.43 1.07 0.00 | 75.39 1.40 0.00 | 88.62 2.07 -0.23 | 97.09 2.09 0.00 | 115.16 2.48 0.00 | 100.62 2.16 0.00 | 74.09 1.45 0.00 | 63.81 1.19 0.00 | 57.56 1.19 0.00 | 49.67 0.92 0.00 | 40.17 0.79 0.00 |
| BETHLEHEM___GS2 323561 | 37.63 1.10 0.00 | 35.42 1.07 0.00 | 33.00 0.93 0.00 | 32.24 0.88 0.00 | 31.34 0.91 0.00 | 32.53 0.82 0.00 | 34.98 0.79 0.00 | 38.70 0.98 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.38 1.06 0.00 | 58.49 1.04 0.00 | 63.16 1.05 0.00 | 68.43 1.07 0.00 | 75.39 1.40 0.00 | 88.62 2.07 0.00 | 97.09 2.09 0.00 | 115.16 2.48 0.00 | 100.62 2.16 0.00 | 74.09 1.45 0.00 | 63.81 1.19 0.00 | 57.56 1.19 0.00 | 49.67 0.92 0.00 | 40.17 0.79 0.00 |
| BETHLEHEM___GS3 323562 | 37.63 1.10 0.00 | 35.42 1.07 0.00 | 33.00 0.93 0.00 | 32.24 0.88 0.00 | 31.34 0.91 0.00 | 32.53 0.82 0.00 | 34.98 0.79 0.00 | 38.70 0.98 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.38 1.06 0.00 | 58.49 1.04 0.00 | 63.16 1.05 0.00 | 68.43 1.07 0.00 | 75.39 1.40 0.00 | 88.62 2.07 -0.23 | 97.09 2.09 0.00 | 115.16 2.48 0.00 | 100.62 2.16 0.00 | 74.09 1.45 0.00 | 63.81 1.19 0.00 | 57.56 1.19 0.00 | 49.67 0.92 0.00 | 40.17 0.79 0.00 |
| BETHLEHEM___STEEL 23779 | 37.96 1.42 0.00 | 34.49 0.14 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.27 -0.15 0.00 | 32.02 0.32 0.00 | 35.08 0.89 0.00 | 39.23 1.51 0.00 | 42.84 1.17 0.00 | 48.77 1.42 0.00 | 52.49 2.16 0.00 | 59.87 2.41 0.00 | 65.08 2.98 0.00 | 70.93 3.57 0.00 | 77.84 3.85 0.00 | 89.52 3.19 0.00 | 98.52 3.51 0.00 | 116.63 3.94 0.00 | 102.80 4.33 0.00 | 76.42 3.78 0.00 | 65.07 2.44 0.00 | 58.86 2.48 0.00 | 51.77 3.02 0.00 | 41.87 2.48 0.00 |
| BETHLHEM_115KV_TB1 79974 | 37.71 1.17 0.00 | 35.31 0.96 0.00 | 33.03 0.96 0.00 | 32.31 0.94 0.00 | 31.37 0.94 0.00 | 32.59 0.89 0.00 | 35.01 0.82 0.00 | 38.78 1.06 0.00 | 42.80 1.13 0.00 | 48.63 1.28 0.00 | 51.48 1.16 0.00 | 58.60 1.15 0.00 | 63.28 1.18 0.00 | 68.64 1.28 0.00 | 75.54 1.55 0.00 | 88.71 2.16 -0.23 | 97.28 2.28 0.00 | 115.27 2.59 0.00 | 100.72 2.26 0.00 | 74.09 1.45 0.00 | 63.94 1.32 0.00 | 57.73 1.35 0.00 | 49.82 1.07 0.00 | 40.29 0.91 0.00 |
| BETHPAGE_CC_5 323564 | 78.59 3.29 -38.76 | 52.23 2.92 -14.96 | 45.94 2.34 -11.54 | 41.46 2.19 -7.90 | 40.94 2.22 -8.29 | 41.72 2.22 -7.79 | 44.00 2.77 -7.04 | 46.76 3.47 -5.57 | 64.46 4.13 -18.66 | 87.09 4.55 -35.19 | 63.04 4.93 -7.78 | 71.71 5.98 -8.28 | 83.40 6.89 -14.40 | 86.07 7.54 -11.17 | 95.24 8.73 -12.52 | 245.08 10.88 -147.88 | 295.37 11.39 -188.98 | 285.86 13.40 -159.78 | 172.92 11.42 -63.04 | 83.61 7.70 -3.27 | 83.94 6.51 -14.80 | 77.71 5.41 -15.92 | 63.62 4.68 -10.19 | 61.54 3.82 -18.34 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 38.11 1.57 0.00 | 34.63 0.27 0.00 | 32.26 0.19 0.00 | 31.59 0.22 0.00 | 30.40 -0.03 0.00 | 32.15 0.44 0.00 | 35.25 1.06 0.00 | 39.42 1.70 0.00 | 43.09 1.42 0.00 | 49.01 1.66 0.00 | 52.79 2.47 0.00 | 60.21 2.76 0.00 | 65.45 3.35 0.00 | 71.40 4.04 0.00 | 78.36 4.37 0.00 | 90.12 3.80 0.00 | 99.09 4.08 0.00 | 117.30 4.62 0.00 | 103.49 5.02 0.00 | 76.93 4.29 0.00 | 65.45 2.82 0.00 | 59.14 2.76 0.00 | 52.01 3.27 0.00 | 42.06 2.68 0.00 |

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| BINGHAMTON___COGEN 23790 | 38.17 1.17 -0.47 | 35.24 0.58 -0.30 | 32.71 0.51 -0.13 | 31.98 0.53 -0.08 | 30.90 0.46 -0.01 | 32.45 0.63 -0.11 | 35.47 0.89 -0.39 | 39.68 1.36 -0.60 | 43.83 1.33 -0.82 | 50.14 1.56 -1.22 | 53.77 1.91 -1.54 | 61.74 2.24 -2.04 | 67.07 2.61 -2.36 | 72.84 2.96 -2.52 | 80.23 3.26 -2.99 | 93.56 3.45 -3.79 | 102.92 3.80 -4.12 | 121.84 4.51 -4.65 | 107.07 4.33 -4.28 | 79.06 3.41 -3.00 | 67.65 2.63 -2.39 | 60.70 2.37 -1.95 | 52.36 2.19 -1.42 | 41.81 1.65 -0.77 |
| BIXINCNT_115KV_LOAD 355685 | 38.44 1.90 0.00 | 34.83 0.48 0.00 | 32.48 0.42 0.00 | 31.84 0.47 0.00 | 30.64 0.21 0.00 | 32.47 0.76 0.00 | 35.66 1.47 0.00 | 39.99 2.26 0.00 | 43.76 2.08 0.00 | 49.67 2.32 0.00 | 53.39 3.07 0.00 | 60.96 3.50 0.00 | 66.20 4.10 0.00 | 72.28 4.92 0.00 | 79.17 5.18 0.00 | 91.24 4.92 0.00 | 100.32 5.32 0.00 | 118.88 6.20 0.00 | 104.77 6.30 0.00 | 78.02 5.38 0.00 | 66.39 3.76 0.00 | 59.76 3.38 0.00 | 52.31 3.56 0.00 | 42.38 2.99 0.00 |
| BLACK RIVER___HYD 24047 | 38.88 1.31 -1.03 | 36.15 1.13 -0.67 | 33.26 0.90 -0.29 | 32.46 0.91 -0.18 | 31.22 0.76 -0.03 | 32.98 1.04 -0.23 | 36.28 1.23 -0.85 | 40.40 1.36 -1.32 | 44.57 1.08 -1.81 | 51.43 1.37 -2.70 | 54.92 1.21 -3.39 | 63.16 1.21 -4.50 | 68.30 0.99 -5.21 | 73.93 1.01 -5.56 | 81.61 1.04 -6.59 | 95.69 0.86 -8.51 | 105.41 1.33 -9.08 | 124.96 2.03 -10.25 | 110.26 2.36 -9.44 | 81.73 2.47 -6.62 | 69.96 2.06 -5.27 | 62.99 2.31 -4.30 | 53.79 1.90 -3.14 | 42.61 1.53 -1.69 |
| BLACKRVR_115KV_TB2 79977 | 38.88 1.32 -1.03 | 36.05 1.03 -0.67 | 33.26 0.90 -0.29 | 32.46 0.91 -0.18 | 31.22 0.76 -0.03 | 32.99 1.05 -0.23 | 36.28 1.23 -0.85 | 40.40 1.36 -1.32 | 44.57 1.08 -1.81 | 51.43 1.37 -2.70 | 54.92 1.21 -3.39 | 63.16 1.21 -4.50 | 68.31 0.99 -5.21 | 73.92 1.01 -5.56 | 81.61 1.04 -6.59 | 95.69 0.86 -8.51 | 105.31 1.24 -9.08 | 124.96 2.03 -10.25 | 110.26 2.36 -9.44 | 81.80 2.54 -6.62 | 70.03 2.13 -5.27 | 62.99 2.31 -4.30 | 53.79 1.90 -3.14 | 42.61 1.54 -1.69 |
| BLISS_WT_PWR 323608 | 38.40 1.86 0.00 | 35.45 1.10 0.00 | 32.42 0.35 0.00 | 31.87 0.50 0.00 | 30.61 0.18 0.00 | 32.47 0.76 0.00 | 35.66 1.47 0.00 | 39.99 2.26 0.00 | 43.72 2.04 0.00 | 49.72 2.37 0.00 | 53.49 3.17 0.00 | 61.13 3.68 0.00 | 66.26 4.16 0.00 | 72.28 4.91 0.00 | 79.17 5.18 0.00 | 91.41 5.09 0.00 | 100.70 5.70 0.00 | 118.99 6.31 0.00 | 105.06 6.60 0.00 | 77.88 5.23 0.00 | 66.38 3.76 0.00 | 59.70 3.33 0.00 | 52.21 3.46 0.00 | 42.30 2.91 0.00 |
| BLUESTONE___WT_PWR 323821 | 40.19 3.25 -0.40 | 37.46 2.85 -0.26 | 34.52 2.34 -0.12 | 33.73 2.29 -0.07 | 32.51 2.07 -0.01 | 34.24 2.44 -0.09 | 37.43 2.90 -0.33 | 41.83 3.59 -0.51 | 46.05 3.67 -0.71 | 52.76 4.35 -1.06 | 56.33 4.68 -1.33 | 64.90 5.69 -1.76 | 69.98 5.84 -2.04 | 76.00 6.47 -2.17 | 83.74 7.17 -2.58 | 97.25 7.68 -3.26 | 107.58 9.03 -3.55 | 127.62 10.93 -4.01 | 112.30 10.14 -3.69 | 83.08 7.85 -2.59 | 71.14 6.45 -2.06 | 63.98 5.92 -1.68 | 55.14 5.16 -1.23 | 44.14 4.10 -0.66 |
| BLUE_CIRC_CHEM_DRP 24182 | 38.14 1.61 0.00 | 35.73 1.37 0.00 | 33.35 1.28 0.00 | 32.62 1.25 0.00 | 31.70 1.28 0.00 | 32.91 1.20 0.00 | 35.36 1.16 0.00 | 39.08 1.36 0.00 | 43.13 1.46 0.00 | 48.87 1.52 0.00 | 51.68 1.36 0.00 | 58.55 1.09 0.00 | 63.28 1.18 0.00 | 68.64 1.28 0.00 | 75.62 1.63 0.00 | 88.77 2.24 -0.21 | 97.38 2.37 0.00 | 115.61 2.93 0.00 | 101.22 2.76 0.00 | 74.60 1.96 0.00 | 64.44 1.82 0.00 | 58.41 2.03 0.00 | 50.40 1.66 0.00 | 40.76 1.38 0.00 |
| BOC_GAS_DRP 24189 | 37.78 1.24 0.00 | 35.35 1.00 0.00 | 33.00 0.93 0.00 | 32.28 0.91 0.00 | 31.37 0.94 0.00 | 32.56 0.86 0.00 | 35.08 0.89 0.00 | 38.89 1.17 0.00 | 43.01 1.33 0.00 | 48.82 1.47 0.00 | 51.78 1.46 0.00 | 58.89 1.44 0.00 | 63.72 1.61 0.00 | 69.11 1.75 0.00 | 76.06 2.07 0.00 | 89.22 2.68 -0.22 | 97.75 2.75 0.00 | 115.84 3.16 0.00 | 101.22 2.76 0.00 | 74.53 1.89 0.00 | 64.32 1.69 0.00 | 58.01 1.63 0.00 | 50.11 1.36 0.00 | 40.53 1.14 0.00 |
| BOONVILLE_115KV_TB1 79983 | 38.29 1.46 -0.29 | 35.74 1.20 -0.19 | 33.21 1.06 -0.08 | 32.49 1.07 -0.05 | 31.38 0.94 -0.01 | 32.91 1.14 -0.07 | 35.73 1.30 -0.24 | 39.53 1.43 -0.37 | 43.64 1.46 -0.51 | 49.82 1.70 -0.76 | 52.99 1.71 -0.95 | 60.73 2.01 -1.27 | 65.49 1.93 -1.47 | 71.08 2.16 -1.56 | 78.14 2.29 -1.85 | 91.04 2.33 -2.40 | 100.41 2.85 -2.56 | 119.29 3.72 -2.89 | 104.56 3.45 -2.66 | 77.34 2.83 -1.86 | 66.43 2.32 -1.48 | 59.90 2.31 -1.21 | 51.53 1.90 -0.88 | 41.51 1.65 -0.48 |
| BORALEX_4TH_BRANCH 23824 | 38.88 2.34 0.00 | 36.28 1.92 0.00 | 33.77 1.70 0.00 | 33.03 1.66 0.00 | 32.13 1.70 0.00 | 33.32 1.62 0.00 | 35.97 1.78 0.00 | 39.99 2.26 0.00 | 44.26 2.58 0.00 | 50.43 3.08 0.00 | 53.29 2.97 0.00 | 60.84 3.39 0.00 | 65.64 3.54 0.00 | 71.26 3.91 0.00 | 78.50 4.51 0.00 | 92.72 6.13 -0.27 | 101.75 6.74 0.00 | 120.57 7.89 0.00 | 105.55 7.09 0.00 | 77.51 4.87 0.00 | 66.82 4.20 0.00 | 60.04 3.66 0.00 | 51.57 2.83 0.00 | 41.71 2.32 0.00 |
| BOWLINE___1 23526 | 38.80 2.27 0.00 | 36.31 1.96 0.00 | 33.54 1.48 0.00 | 32.75 1.38 0.00 | 31.86 1.43 0.00 | 33.07 1.36 0.00 | 35.97 1.78 0.00 | 39.91 2.19 0.00 | 44.38 2.71 0.00 | 50.34 2.99 0.00 | 53.64 3.32 0.00 | 61.53 4.08 0.00 | 66.88 4.78 0.00 | 72.54 5.19 0.00 | 80.06 6.07 0.00 | 91.52 7.60 2.40 | 102.98 7.98 0.00 | 122.15 9.47 0.00 | 106.43 7.97 0.00 | 77.94 5.30 0.00 | 67.07 4.45 0.00 | 59.93 3.55 0.00 | 51.87 3.12 0.00 | 41.91 2.52 0.00 |
| BOWLINE___2 23595 | 38.80 2.27 0.00 | 36.31 1.96 0.00 | 33.57 1.51 0.00 | 32.75 1.38 0.00 | 31.86 1.43 0.00 | 33.10 1.39 0.00 | 35.97 1.78 0.00 | 39.95 2.23 0.00 | 44.38 2.71 0.00 | 50.34 2.99 0.00 | 53.64 3.32 0.00 | 61.53 4.08 0.00 | 66.88 4.78 0.00 | 72.54 5.19 0.00 | 80.06 6.07 0.00 | 91.60 7.68 2.40 | 103.07 8.07 0.00 | 122.15 9.47 0.00 | 106.43 7.97 0.00 | 77.94 5.30 0.00 | 67.07 4.45 0.00 | 59.93 3.55 0.00 | 51.87 3.12 0.00 | 41.91 2.52 0.00 |
| BRADY___115KV_TB2 356060 | 35.40 -1.13 0.00 | 33.91 -0.45 0.00 | 31.68 -0.38 0.00 | 30.99 -0.38 0.00 | 30.03 -0.40 0.00 | 31.42 -0.29 0.00 | 33.71 -0.48 0.00 | 36.67 -1.06 0.00 | 40.22 -1.46 0.00 | 45.70 -1.66 0.00 | 48.36 -1.96 0.00 | 55.04 -2.41 0.00 | 59.18 -2.92 0.00 | 63.99 -3.37 0.00 | 69.84 -4.14 0.00 | 81.48 -4.83 0.00 | 90.06 -4.94 0.00 | 106.93 -5.75 0.00 | 93.44 -5.02 0.00 | 69.52 -3.12 0.00 | 60.25 -2.38 0.00 | 54.29 -2.09 0.00 | 46.94 -1.80 0.00 | 38.01 -1.38 0.00 |
| BRANSCOMB___SOLAR 323811 | 39.06 2.52 0.00 | 36.62 2.27 0.00 | 33.92 1.86 0.00 | 33.15 1.79 0.00 | 32.19 1.76 0.00 | 33.48 1.77 0.00 | 36.11 1.91 0.00 | 39.95 2.23 0.00 | 44.30 2.63 0.00 | 50.34 2.99 0.00 | 53.14 2.82 0.00 | 60.84 3.39 0.00 | 65.76 3.66 0.00 | 71.13 3.77 0.00 | 78.35 4.36 0.00 | 92.07 5.53 -0.23 | 101.37 6.37 0.00 | 120.80 8.12 0.00 | 105.85 7.39 0.00 | 78.09 5.45 0.00 | 67.20 4.57 0.00 | 60.32 3.95 0.00 | 51.82 3.07 0.00 | 41.83 2.44 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 79.32 4.02 -38.76 | 52.61 3.30 -14.96 | 46.46 2.85 -11.54 | 41.99 2.73 -7.90 | 41.43 2.71 -8.29 | 42.26 2.76 -7.79 | 44.55 3.32 -7.04 | 47.44 4.15 -5.57 | 65.29 4.96 -18.66 | 88.18 5.63 -35.19 | 64.99 5.74 -8.93 | 100.46 6.43 -36.57 | 119.24 7.02 -50.12 | 124.70 7.68 -49.66 | 129.61 8.80 -46.82 | 251.34 10.88 -154.15 | 293.21 11.30 -186.90 | 283.75 13.30 -157.77 | 190.99 11.52 -81.01 | 116.21 7.55 -36.01 | 120.82 6.70 -51.49 | 104.95 5.69 -42.88 | 71.26 5.41 -17.10 | 62.53 4.41 -18.74 |

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| BRISTLHL_115KV_TB1 79998 | 38.76 -0.04 -2.26 | 35.51 -0.31 -1.47 | 32.36 -0.35 -0.65 | 31.43 -0.35 -0.40 | 30.13 -0.37 -0.07 | 31.93 -0.29 -0.51 | 35.90 -0.17 -1.88 | 40.66 0.04 -2.89 | 45.54 -0.13 -3.99 | 53.20 -0.09 -5.94 | 57.83 0.05 -7.46 | 67.47 0.11 -9.90 | 73.75 0.19 -11.46 | 79.78 0.20 -12.22 | 88.77 0.30 -14.49 | 105.12 0.09 -18.72 | 115.15 0.19 -19.96 | 135.57 0.34 -22.55 | 119.61 0.39 -20.76 | 87.64 0.44 -14.56 | 74.41 0.19 -11.60 | 66.01 0.17 -9.46 | 55.90 0.24 -6.91 | 43.22 0.12 -3.72 |
| BROOKHAVEN___DRP 24191 | 79.14 3.84 -38.76 | 52.50 3.19 -14.96 | 46.33 2.73 -11.54 | 41.84 2.57 -7.90 | 41.25 2.53 -8.29 | 42.10 2.60 -7.79 | 44.38 3.15 -7.04 | 47.25 3.96 -5.57 | 65.21 4.88 -18.66 | 88.14 5.59 -35.20 | 69.71 5.74 -13.65 | 136.98 6.61 -72.92 | 266.32 7.70 -196.51 | 283.04 8.22 -207.47 | 270.74 9.32 -187.43 | 277.55 11.39 -179.84 | 293.44 11.88 -186.57 | 284.22 14.08 -157.45 | 265.62 12.50 -154.65 | 251.28 8.43 -170.22 | 272.02 7.52 -201.88 | 216.22 6.43 -153.41 | 69.89 5.51 -15.63 | 64.30 4.53 -20.38 |
| BROOKLYN_NAVY_YARD 23515 | 39.50 2.96 0.00 | 36.93 2.58 0.00 | 33.99 1.92 0.00 | 33.12 1.76 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.55 2.36 0.00 | 40.85 3.13 0.00 | 45.47 3.79 0.00 | 51.38 4.02 0.00 | 54.75 4.43 0.00 | 62.85 5.40 0.00 | 68.37 6.27 0.00 | 74.16 6.80 0.00 | 81.98 7.99 0.00 | 97.61 10.01 -1.28 | 111.08 10.45 -5.63 | 130.30 12.17 -5.44 | 108.60 10.14 0.00 | 79.32 6.68 0.00 | 68.33 5.70 0.00 | 61.05 4.68 0.00 | 53.04 4.29 0.00 | 42.93 3.55 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| BROOKVLE_69_KV_TB1 55790 | 78.81 3.51 -38.76 | 52.16 2.85 -14.96 | 46.23 2.63 -11.54 | 41.74 2.48 -7.90 | 41.15 2.43 -8.29 | 41.97 2.47 -7.79 | 44.24 3.01 -7.04 | 47.10 3.81 -5.57 | 64.67 4.33 -18.66 | 87.37 4.83 -35.19 | 63.52 5.54 -7.66 | 69.70 6.61 -5.64 | 80.58 7.64 -10.84 | 83.03 8.35 -7.32 | 92.63 9.54 -9.10 | 245.49 11.91 -147.26 | 303.44 12.64 -195.80 | 293.70 14.65 -166.37 | 172.11 12.41 -61.24 | 80.70 8.06 0.00 | 80.72 6.95 -11.14 | 75.58 5.98 -13.22 | 63.39 5.07 -9.57 | 61.82 4.14 -18.30 |
| BROOME_2_LFGE 323671 | 38.17 1.17 -0.47 | 35.55 0.89 -0.30 | 32.71 0.51 -0.13 | 31.98 0.53 -0.08 | 30.90 0.46 -0.01 | 32.45 0.63 -0.11 | 35.50 0.92 -0.39 | 39.68 1.36 -0.60 | 43.79 1.29 -0.82 | 50.14 1.56 -1.22 | 53.82 1.96 -1.54 | 61.85 2.36 -2.04 | 67.13 2.67 -2.36 | 72.91 3.03 -2.52 | 80.38 3.41 -2.99 | 93.65 3.54 -3.79 | 103.20 4.08 -4.12 | 122.06 4.73 -4.65 | 107.27 4.53 -4.28 | 79.20 3.56 -3.00 | 67.71 2.69 -2.39 | 60.70 2.37 -1.95 | 52.37 2.20 -1.42 | 41.81 1.65 -0.77 |
| BROOME___LFGE 323600 | 38.17 1.17 -0.47 | 35.55 0.89 -0.30 | 32.71 0.51 -0.13 | 31.98 0.53 -0.08 | 30.90 0.46 -0.01 | 32.45 0.63 -0.11 | 35.50 0.92 -0.39 | 39.68 1.36 -0.60 | 43.79 1.29 -0.82 | 50.14 1.56 -1.22 | 53.82 1.96 -1.54 | 61.85 2.36 -2.04 | 67.13 2.67 -2.36 | 72.91 3.03 -2.52 | 80.38 3.41 -2.99 | 93.65 3.54 -3.79 | 103.20 4.08 -4.12 | 122.06 4.73 -4.65 | 107.27 4.53 -4.28 | 79.20 3.56 -3.00 | 67.71 2.69 -2.39 | 60.70 2.37 -1.95 | 52.37 2.20 -1.42 | 41.81 1.65 -0.77 |
| BROWNFLS_115KV_TB_3_5 80003 | 36.77 -0.18 -0.41 | 34.69 0.07 -0.27 | 32.22 0.03 -0.12 | 31.47 0.03 -0.07 | 30.44 0.00 -0.01 | 31.93 0.13 -0.09 | 34.67 0.14 -0.34 | 38.10 -0.15 -0.53 | 41.78 -0.63 -0.73 | 47.78 -0.66 -1.09 | 50.73 -0.96 -1.37 | 57.95 -1.32 -1.81 | 62.46 -1.74 -2.10 | 67.64 -1.95 -2.24 | 74.20 -2.44 -2.65 | 86.73 -3.02 -3.43 | 95.71 -2.94 -3.66 | 113.66 -3.16 -4.13 | 99.61 -2.66 -3.80 | 73.93 -1.38 -2.67 | 63.69 -1.06 -2.12 | 57.43 -0.68 -1.73 | 49.48 -0.54 -1.27 | 39.79 -0.28 -0.68 |
| BROWNSV1_27_KV_LOAD 356125 | 39.86 3.32 0.00 | 36.96 2.61 0.00 | 34.28 2.21 0.00 | 33.41 2.04 0.00 | 32.46 2.04 0.00 | 33.74 2.03 0.00 | 36.83 2.63 0.00 | 41.23 3.51 0.00 | 45.84 4.17 0.00 | 51.85 4.50 0.00 | 55.35 5.03 0.00 | 63.43 5.98 0.00 | 69.06 6.96 0.00 | 74.90 7.54 0.00 | 82.72 8.73 0.00 | 98.56 10.96 -1.28 | 106.59 11.59 0.00 | 126.09 13.41 0.00 | 109.68 11.22 0.00 | 79.98 7.34 0.00 | 69.02 6.39 0.00 | 61.85 5.47 0.00 | 53.57 4.83 0.00 | 43.32 3.94 0.00 |
| BURROWS___LYONSDAL 23803 | 38.28 1.39 -0.35 | 35.72 1.13 -0.23 | 33.19 1.03 -0.10 | 32.43 1.00 -0.06 | 31.32 0.88 -0.01 | 32.86 1.08 -0.08 | 35.72 1.23 -0.29 | 39.50 1.32 -0.45 | 43.59 1.29 -0.62 | 49.84 1.56 -0.92 | 52.99 1.51 -1.16 | 60.72 1.72 -1.54 | 65.50 1.61 -1.78 | 71.08 1.82 -1.90 | 78.16 1.92 -2.25 | 91.04 1.81 -2.91 | 100.48 2.37 -3.11 | 119.34 3.16 -3.51 | 104.74 3.05 -3.23 | 77.45 2.54 -2.26 | 66.56 2.13 -1.80 | 59.99 2.14 -1.47 | 51.62 1.80 -1.07 | 41.54 1.58 -0.58 |
| CAITHNESS_CC_1 323624 | 79.14 3.84 -38.76 | 52.74 3.43 -14.96 | 46.30 2.69 -11.54 | 41.80 2.54 -7.90 | 41.24 2.52 -8.29 | 42.06 2.57 -7.79 | 44.38 3.14 -7.04 | 47.25 3.96 -5.57 | 65.17 4.83 -18.66 | 88.04 5.49 -35.20 | 69.52 5.59 -13.62 | 136.55 6.55 -72.55 | 265.10 7.57 -195.42 | 281.80 8.15 -206.29 | 269.69 9.32 -186.38 | 277.36 11.39 -179.65 | 293.44 11.87 -186.56 | 284.10 13.97 -157.45 | 264.87 12.31 -154.11 | 250.35 8.49 -169.22 | 270.78 7.39 -200.76 | 215.11 6.15 -152.59 | 69.72 5.36 -15.61 | 64.17 4.41 -20.37 |
| CALPINE BETH_PAGE_GT4 24209 | 78.59 3.29 -38.76 | 51.92 2.61 -14.96 | 46.01 2.40 -11.54 | 41.52 2.26 -7.90 | 40.97 2.25 -8.29 | 41.75 2.25 -7.79 | 44.00 2.77 -7.04 | 46.84 3.55 -5.57 | 64.38 4.04 -18.66 | 87.04 4.50 -35.19 | 63.06 4.98 -7.75 | 70.95 5.86 -7.63 | 82.51 6.83 -13.58 | 85.11 7.48 -10.27 | 94.30 8.58 -11.73 | 244.85 10.79 -147.74 | 296.50 11.30 -190.19 | 286.81 13.18 -160.95 | 172.40 11.32 -62.62 | 82.42 7.26 -2.51 | 82.96 6.39 -13.95 | 77.14 5.47 -15.29 | 63.41 4.63 -10.04 | 61.53 3.82 -18.33 |
| CALPINE_BETH_PAGE_GT_4 323586 | 78.59 3.29 -38.76 | 52.19 2.89 -14.96 | 46.01 2.41 -11.54 | 41.52 2.26 -7.90 | 40.97 2.25 -8.29 | 41.75 2.25 -7.79 | 44.04 2.80 -7.04 | 46.84 3.55 -5.57 | 64.42 4.09 -18.66 | 87.04 4.50 -35.19 | 63.01 4.93 -7.75 | 71.06 5.98 -7.63 | 82.63 6.95 -13.58 | 85.24 7.61 -10.27 | 94.44 8.73 -11.73 | 245.02 10.96 -147.74 | 296.68 11.49 -190.19 | 287.03 13.40 -160.95 | 172.60 11.51 -62.62 | 82.85 7.70 -2.51 | 83.09 6.51 -13.95 | 77.08 5.41 -15.29 | 63.42 4.63 -10.04 | 61.53 3.82 -18.33 |
| CALPINE_BP_GT1 23823 | 78.59 3.29 -38.76 | 52.19 2.89 -14.96 | 46.01 2.41 -11.54 | 41.52 2.26 -7.90 | 40.97 2.25 -8.29 | 41.75 2.25 -7.79 | 44.04 2.80 -7.04 | 46.84 3.55 -5.57 | 64.42 4.09 -18.66 | 87.04 4.50 -35.19 | 63.01 4.93 -7.75 | 71.06 5.98 -7.63 | 82.63 6.95 -13.58 | 85.24 7.61 -10.27 | 94.44 8.73 -11.73 | 245.02 10.96 -147.74 | 296.68 11.49 -190.19 | 287.03 13.40 -160.95 | 172.60 11.51 -62.62 | 82.85 7.70 -2.51 | 83.09 6.51 -13.95 | 77.08 5.41 -15.29 | 63.42 4.63 -10.04 | 61.53 3.82 -18.33 |
| CALSPAN___DRP 24200 | 37.96 1.42 0.00 | 34.49 0.14 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.27 -0.15 0.00 | 32.02 0.32 0.00 | 35.08 0.89 0.00 | 39.23 1.51 0.00 | 42.84 1.17 0.00 | 48.77 1.42 0.00 | 52.49 2.16 0.00 | 59.87 2.41 0.00 | 65.08 2.98 0.00 | 70.93 3.57 0.00 | 77.84 3.85 0.00 | 89.52 3.19 0.00 | 98.52 3.51 0.00 | 116.63 3.94 0.00 | 102.80 4.33 0.00 | 76.42 3.78 0.00 | 65.07 2.44 0.00 | 58.86 2.48 0.00 | 51.77 3.02 0.00 | 41.87 2.48 0.00 |

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| CALVERTON___SOLAR 323806 | 79.25 3.95 -38.76 | 52.85 3.54 -14.96 | 46.39 2.79 -11.54 | 41.87 2.60 -7.90 | 41.30 2.58 -8.29 | 42.13 2.63 -7.79 | 44.45 3.21 -7.04 | 47.33 4.04 -5.57 | 65.37 5.04 -18.66 | 88.28 5.73 -35.20 | 69.92 5.94 -13.67 | 137.53 7.01 -73.07 | 267.15 8.07 -196.98 | 283.94 8.62 -207.96 | 271.70 9.84 -187.87 | 278.23 11.99 -179.92 | 294.20 12.64 -186.57 | 285.12 14.99 -157.45 | 266.63 13.29 -154.89 | 252.36 9.08 -170.64 | 272.94 7.95 -202.35 | 216.79 6.65 -153.76 | 70.14 5.75 -15.64 | 64.50 4.72 -20.39 |
| CANDIGU_WT_PWR 323617 | 38.26 1.46 -0.26 | 35.48 0.96 -0.17 | 32.53 0.39 -0.07 | 31.85 0.44 -0.05 | 30.68 0.24 -0.01 | 32.40 0.63 -0.06 | 35.60 1.20 -0.21 | 39.83 1.77 -0.33 | 43.59 1.46 -0.46 | 49.78 1.75 -0.68 | 53.59 2.42 -0.85 | 61.46 2.87 -1.13 | 66.51 3.10 -1.31 | 72.32 3.57 -1.40 | 79.64 3.99 -1.66 | 92.16 3.71 -2.14 | 101.75 4.47 -2.28 | 120.21 4.95 -2.58 | 106.14 5.31 -2.37 | 78.74 4.43 -1.66 | 67.08 3.13 -1.32 | 60.44 2.99 -1.08 | 52.61 3.07 -0.79 | 42.21 2.40 -0.42 |
| CARR STREET_E_SYR 24060 | 37.36 0.15 -0.68 | 34.79 0.00 -0.44 | 32.07 -0.19 -0.19 | 31.30 -0.19 -0.12 | 30.20 -0.24 -0.02 | 31.73 -0.13 -0.15 | 34.79 0.03 -0.56 | 38.75 0.15 -0.87 | 42.96 0.08 -1.20 | 49.33 0.19 -1.78 | 52.92 0.35 -2.24 | 61.00 0.57 -2.97 | 66.16 0.62 -3.44 | 71.77 0.74 -3.67 | 79.15 0.82 -4.35 | 92.63 0.69 -5.62 | 101.95 0.95 -6.00 | 120.47 1.01 -6.77 | 105.68 0.98 -6.23 | 77.82 0.80 -4.37 | 66.55 0.44 -3.48 | 59.62 0.40 -2.84 | 51.21 0.39 -2.07 | 40.70 0.20 -1.12 |
| CARTHAGE___PAPER 23857 | 38.42 1.02 -0.86 | 35.81 0.89 -0.56 | 33.08 0.77 -0.25 | 32.27 0.75 -0.15 | 31.09 0.64 -0.03 | 32.79 0.89 -0.20 | 35.97 1.06 -0.72 | 39.89 1.05 -1.11 | 43.95 0.75 -1.53 | 50.57 0.95 -2.27 | 53.93 0.76 -2.85 | 61.88 0.63 -3.79 | 66.86 0.37 -4.39 | 72.37 0.34 -4.67 | 79.83 0.30 -5.54 | 93.48 0.00 -7.16 | 103.02 0.38 -7.64 | 122.32 1.01 -8.63 | 107.78 1.38 -7.94 | 79.88 1.67 -5.57 | 68.56 1.50 -4.44 | 61.75 1.75 -3.62 | 52.80 1.41 -2.64 | 41.99 1.18 -1.42 |
| CASSADAGA_WT_PWR 323784 | 39.13 2.59 0.00 | 36.14 1.79 0.00 | 33.06 1.00 0.00 | 32.43 1.07 0.00 | 31.19 0.76 0.00 | 33.04 1.33 0.00 | 36.35 2.16 0.00 | 40.78 3.05 0.00 | 44.51 2.84 0.00 | 50.67 3.31 0.00 | 54.75 4.43 0.00 | 62.45 5.00 0.00 | 67.69 5.59 0.00 | 73.83 6.47 0.00 | 81.02 7.03 0.00 | 93.14 6.82 0.00 | 102.70 7.69 0.00 | 121.24 8.56 0.00 | 107.22 8.76 0.00 | 79.47 6.83 0.00 | 67.70 5.07 0.00 | 61.05 4.68 0.00 | 53.62 4.87 0.00 | 43.20 3.82 0.00 |
| CE_DUNWOOD___DRP 24194 | 39.20 2.67 0.00 | 36.41 2.06 0.00 | 33.83 1.76 0.00 | 33.03 1.66 0.00 | 32.10 1.67 0.00 | 33.36 1.65 0.00 | 36.28 2.09 0.00 | 40.48 2.75 0.00 | 44.97 3.29 0.00 | 51.00 3.65 0.00 | 54.40 4.08 0.00 | 62.22 4.77 0.00 | 67.69 5.59 0.00 | 73.49 6.13 0.00 | 81.09 7.10 0.00 | 96.58 8.89 -1.37 | 104.40 9.40 0.00 | 123.61 10.93 0.00 | 107.72 9.26 0.00 | 78.67 6.03 0.00 | 67.83 5.20 0.00 | 60.72 4.34 0.00 | 52.50 3.75 0.00 | 42.46 3.07 0.00 |
| CE_MILLWOOD___DRP 24193 | 39.09 2.56 0.00 | 36.35 1.99 0.00 | 33.80 1.73 0.00 | 32.97 1.60 0.00 | 32.04 1.61 0.00 | 33.29 1.59 0.00 | 36.21 2.02 0.00 | 40.33 2.60 0.00 | 44.84 3.17 0.00 | 50.81 3.46 0.00 | 54.20 3.87 0.00 | 62.05 4.60 0.00 | 67.50 5.40 0.00 | 73.29 5.93 0.00 | 80.79 6.81 0.00 | 96.45 8.63 -1.50 | 104.12 9.12 0.00 | 123.38 10.70 0.00 | 107.42 8.96 0.00 | 78.53 5.88 0.00 | 67.64 5.01 0.00 | 60.61 4.23 0.00 | 52.35 3.61 0.00 | 42.34 2.95 0.00 |
| CE_NYC2_DRP 24202 | 39.61 3.07 0.00 | 36.76 2.40 0.00 | 34.09 2.02 0.00 | 33.22 1.85 0.00 | 32.28 1.86 0.00 | 33.51 1.81 0.00 | 36.62 2.43 0.00 | 41.01 3.28 -0.01 | 45.56 3.88 -0.01 | 51.38 4.02 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 67.94 5.84 0.00 | 73.62 6.26 0.00 | 81.31 7.32 0.00 | 97.01 9.41 -1.28 | 104.69 9.69 0.00 | 123.84 11.16 0.00 | 103.77 9.26 3.94 | 78.25 5.81 0.20 | 58.71 5.20 9.11 | 60.89 4.51 0.00 | 52.99 4.24 0.00 | 43.09 3.70 -0.01 |
| CE_NYC_DRP 24195 | 39.50 2.96 0.00 | 36.65 2.30 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.52 2.33 0.00 | 40.86 3.13 0.00 | 45.43 3.75 0.00 | 51.38 4.02 0.00 | 54.80 4.48 0.00 | 62.74 5.29 0.00 | 68.31 6.21 0.00 | 74.09 6.74 0.00 | 81.76 7.77 0.00 | 97.44 9.84 -1.28 | 105.26 10.26 0.00 | 124.62 11.94 0.00 | 108.31 9.85 0.00 | 79.03 6.39 0.00 | 68.20 5.57 0.00 | 61.11 4.74 0.00 | 52.94 4.19 0.00 | 42.89 3.51 0.00 |
| CHAFFEE___LFGE 323603 | 38.07 1.53 0.00 | 35.18 0.82 0.00 | 32.19 0.13 0.00 | 31.59 0.22 0.00 | 30.33 -0.09 0.00 | 32.12 0.41 0.00 | 35.22 1.02 0.00 | 39.42 1.70 0.00 | 42.97 1.29 0.00 | 48.96 1.61 0.00 | 52.89 2.57 0.00 | 60.38 2.93 0.00 | 65.51 3.41 0.00 | 71.40 4.04 0.00 | 78.36 4.36 0.00 | 90.21 3.89 0.00 | 99.56 4.56 0.00 | 117.53 4.84 0.00 | 103.78 5.31 0.00 | 76.78 4.14 0.00 | 65.45 2.82 0.00 | 59.14 2.76 0.00 | 51.96 3.22 0.00 | 41.98 2.60 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 35.55 -0.99 0.00 | 34.04 -0.31 0.00 | 31.84 -0.22 0.00 | 31.12 -0.25 0.00 | 30.18 -0.24 0.00 | 31.52 -0.19 0.00 | 33.92 -0.27 0.00 | 37.01 -0.72 0.00 | 40.80 -0.88 0.00 | 46.26 -1.09 0.00 | 49.01 -1.31 0.00 | 55.90 -1.55 0.00 | 59.93 -2.17 0.00 | 64.87 -2.49 0.00 | 70.44 -3.55 0.00 | 82.35 -3.97 0.00 | 90.91 -4.09 0.00 | 108.06 -4.62 0.00 | 94.23 -4.23 0.00 | 70.10 -2.54 0.00 | 60.87 -1.75 0.00 | 54.63 -1.75 0.00 | 47.43 -1.32 0.00 | 38.28 -1.10 0.00 |
| CHATEAUG_WT_PWR 323614 | 35.62 -0.91 0.00 | 33.80 -0.55 0.00 | 31.87 -0.19 0.00 | 31.15 -0.22 0.00 | 30.21 -0.21 0.00 | 31.58 -0.13 0.00 | 33.92 -0.27 0.00 | 37.12 -0.61 0.00 | 40.93 -0.75 0.00 | 46.41 -0.95 0.00 | 49.21 -1.11 0.00 | 55.10 -2.36 0.00 | 59.49 -2.61 0.00 | 64.46 -2.89 0.00 | 69.40 -4.59 0.00 | 81.14 -5.18 0.00 | 89.59 -5.41 0.00 | 106.48 -6.20 0.00 | 92.75 -5.71 0.00 | 68.57 -4.07 0.00 | 60.38 -2.25 0.00 | 55.19 -1.19 0.00 | 47.53 -1.22 0.00 | 38.40 -0.98 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 35.55 -0.99 0.00 | 34.04 -0.31 0.00 | 31.84 -0.22 0.00 | 31.12 -0.25 0.00 | 30.18 -0.24 0.00 | 31.52 -0.19 0.00 | 33.92 -0.27 0.00 | 37.01 -0.72 0.00 | 40.80 -0.88 0.00 | 46.26 -1.09 0.00 | 49.01 -1.31 0.00 | 55.90 -1.55 0.00 | 59.93 -2.17 0.00 | 64.87 -2.49 0.00 | 70.44 -3.55 0.00 | 82.35 -3.97 0.00 | 90.91 -4.09 0.00 | 108.06 -4.62 0.00 | 94.23 -4.23 0.00 | 70.10 -2.54 0.00 | 60.87 -1.75 0.00 | 54.63 -1.75 0.00 | 47.43 -1.32 0.00 | 38.28 -1.10 0.00 |
| CHAUTAUQUA___LFGE 323629 | 38.62 2.08 0.00 | 35.69 1.34 0.00 | 32.67 0.61 0.00 | 32.06 0.69 0.00 | 30.82 0.39 0.00 | 32.63 0.92 0.00 | 35.83 1.64 0.00 | 40.14 2.42 0.00 | 43.76 2.08 0.00 | 49.91 2.56 0.00 | 53.84 3.52 0.00 | 61.53 4.08 0.00 | 66.70 4.60 0.00 | 72.75 5.39 0.00 | 79.83 5.84 0.00 | 91.85 5.53 0.00 | 101.37 6.37 0.00 | 119.67 6.99 0.00 | 105.85 7.39 0.00 | 78.38 5.74 0.00 | 66.76 4.13 0.00 | 60.26 3.89 0.00 | 52.94 4.19 0.00 | 42.65 3.27 0.00 |
| CHERRYST_13_KV_LD 356241 | 39.64 3.11 0.00 | 36.79 2.44 0.00 | 34.12 2.05 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.58 1.87 0.00 | 36.69 2.50 0.00 | 41.04 3.32 0.00 | 45.68 4.00 0.00 | 51.66 4.31 0.00 | 55.15 4.83 0.00 | 63.14 5.69 0.00 | 68.75 6.64 0.00 | 74.57 7.21 0.00 | 82.27 8.29 0.00 | 98.05 10.44 -1.28 | 105.93 10.93 0.00 | 125.30 12.62 0.00 | 108.90 10.44 0.00 | 79.40 6.76 0.00 | 68.51 5.89 0.00 | 61.40 5.02 0.00 | 53.18 4.44 0.00 | 43.05 3.66 0.00 |

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| CHESTROR_138KV_BK263 355645 | 38.69 2.16 0.00 | 35.97 1.61 0.00 | 33.51 1.44 0.00 | 32.68 1.32 0.00 | 31.76 1.34 0.00 | 33.01 1.30 0.00 | 35.83 1.64 0.00 | 39.80 2.07 0.00 | 44.18 2.50 0.00 | 50.15 2.79 0.00 | 53.44 3.12 0.00 | 61.13 3.68 0.00 | 66.39 4.28 0.00 | 72.01 4.65 0.00 | 79.24 5.25 0.00 | 91.59 6.65 1.37 | 102.12 7.12 0.00 | 121.02 8.34 0.00 | 105.55 7.09 0.00 | 77.29 4.65 0.00 | 66.57 3.95 0.00 | 59.82 3.44 0.00 | 51.67 2.92 0.00 | 41.75 2.36 0.00 |
| CH_MIDHUDSON___DRP 24192 | 39.17 2.63 0.00 | 36.41 2.06 0.00 | 33.89 1.83 0.00 | 33.06 1.69 0.00 | 32.13 1.70 0.00 | 33.39 1.68 0.00 | 36.25 2.05 0.00 | 40.29 2.57 0.00 | 44.72 3.04 0.00 | 50.81 3.46 0.00 | 54.10 3.77 0.00 | 61.82 4.37 0.00 | 67.13 5.03 0.00 | 72.81 5.46 0.00 | 80.13 6.14 0.00 | 94.41 7.85 -0.24 | 103.26 8.27 0.00 | 122.48 9.80 0.00 | 106.73 8.27 0.00 | 78.09 5.45 0.00 | 67.26 4.63 0.00 | 60.44 4.06 0.00 | 52.21 3.46 0.00 | 42.22 2.84 0.00 |
| CH_MISC_IPPS 23765 | 39.46 2.92 0.00 | 36.89 2.54 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.34 1.92 0.00 | 33.58 1.87 0.00 | 36.48 2.29 0.00 | 40.48 2.75 0.00 | 45.01 3.34 0.00 | 51.09 3.74 0.00 | 54.50 4.17 0.00 | 62.40 4.94 0.00 | 67.75 5.65 0.00 | 73.49 6.13 0.00 | 80.87 6.88 0.00 | 95.03 8.71 0.00 | 104.21 9.21 0.00 | 123.73 11.05 0.00 | 107.82 9.36 0.00 | 78.96 6.32 0.00 | 67.82 5.20 0.00 | 60.78 4.40 0.00 | 52.60 3.85 0.00 | 42.46 3.07 0.00 |
| CH_RES_BVR_FALLS 23983 | 36.03 -0.51 0.00 | 33.98 -0.38 0.00 | 31.81 -0.26 0.00 | 31.12 -0.25 0.00 | 30.18 -0.24 0.00 | 31.49 -0.22 0.00 | 33.89 -0.31 0.00 | 37.23 -0.49 0.00 | 41.13 -0.54 0.00 | 46.74 -0.62 0.00 | 49.62 -0.70 0.00 | 56.53 -0.92 0.00 | 60.61 -1.49 0.00 | 65.61 -1.75 0.00 | 71.92 -2.07 0.00 | 83.99 -2.33 0.00 | 92.44 -2.56 0.00 | 109.64 -3.04 0.00 | 95.81 -2.65 0.00 | 70.68 -1.96 0.00 | 61.12 -1.50 0.00 | 55.19 -1.19 0.00 | 48.02 -0.73 0.00 | 38.79 -0.59 0.00 |
| CH_RES_NIAGARA 23895 | 36.35 -0.18 0.00 | 33.05 -1.31 0.00 | 30.78 -1.28 0.00 | 30.36 -1.00 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.62 0.00 | 37.39 -0.34 0.00 | 40.80 -0.88 0.00 | 46.41 -0.95 0.00 | 49.92 -0.40 0.00 | 56.71 -0.75 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.59 -1.73 0.00 | 93.10 -1.90 0.00 | 110.31 -2.37 0.00 | 97.28 -1.18 0.00 | 72.28 -0.36 0.00 | 61.63 -1.00 0.00 | 55.93 -0.45 0.00 | 49.33 0.58 0.00 | 40.01 0.63 0.00 |
| CH_RES_SYRACUSE 23985 | 38.04 0.26 -1.25 | 35.27 0.10 -0.81 | 32.30 -0.13 -0.36 | 31.47 -0.12 -0.22 | 30.28 -0.18 -0.04 | 31.93 -0.06 -0.28 | 35.33 0.10 -1.04 | 39.70 0.38 -1.60 | 44.17 0.29 -2.21 | 50.92 0.29 -3.28 | 54.90 0.45 -4.12 | 63.56 0.63 -5.47 | 69.12 0.68 -6.34 | 74.92 0.81 -6.76 | 82.89 0.89 -8.01 | 97.53 0.86 -10.35 | 107.08 1.05 -11.04 | 126.28 1.13 -12.47 | 111.12 1.19 -11.48 | 81.71 1.02 -8.05 | 69.60 0.56 -6.41 | 62.11 0.51 -5.23 | 53.05 0.49 -3.82 | 41.75 0.31 -2.06 |
| CLINTON_WT_PWR 323605 | 35.62 -0.91 0.00 | 33.80 -0.55 0.00 | 31.87 -0.19 0.00 | 31.15 -0.22 0.00 | 30.21 -0.21 0.00 | 31.58 -0.13 0.00 | 33.92 -0.27 0.00 | 37.12 -0.61 0.00 | 40.93 -0.75 0.00 | 46.41 -0.95 0.00 | 49.21 -1.11 0.00 | 55.10 -2.36 0.00 | 59.49 -2.61 0.00 | 64.46 -2.89 0.00 | 69.40 -4.59 0.00 | 81.14 -5.18 0.00 | 89.59 -5.41 0.00 | 106.48 -6.20 0.00 | 92.75 -5.71 0.00 | 68.57 -4.07 0.00 | 60.38 -2.25 0.00 | 55.19 -1.19 0.00 | 47.53 -1.22 0.00 | 38.40 -0.98 0.00 |
| CLINTON___LFGE 323618 | 35.99 -0.55 0.00 | 34.18 -0.17 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.37 0.17 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.93 -0.43 0.00 | 49.72 -0.60 0.00 | 55.33 -2.12 0.00 | 59.74 -2.36 0.00 | 64.73 -2.63 0.00 | 69.10 -4.89 0.00 | 80.79 -5.53 0.00 | 89.39 -5.61 0.00 | 106.26 -6.42 0.00 | 92.56 -5.91 0.00 | 68.43 -4.22 0.00 | 60.87 -1.75 0.00 | 55.87 -0.51 0.00 | 48.06 -0.68 0.00 | 38.79 -0.59 0.00 |
| COBBLENY_34_KV_TB1 80064 | 38.07 1.53 0.00 | 34.56 0.21 0.00 | 32.23 0.16 0.00 | 31.56 0.19 0.00 | 30.33 -0.09 0.00 | 32.12 0.41 0.00 | 35.19 0.99 0.00 | 39.42 1.70 0.00 | 43.05 1.38 0.00 | 48.96 1.61 0.00 | 52.74 2.42 0.00 | 60.21 2.76 0.00 | 65.45 3.35 0.00 | 71.40 4.04 0.00 | 78.36 4.37 0.00 | 90.12 3.80 0.00 | 99.18 4.18 0.00 | 117.42 4.73 0.00 | 103.49 5.02 0.00 | 76.93 4.29 0.00 | 65.45 2.82 0.00 | 59.14 2.76 0.00 | 52.01 3.27 0.00 | 41.98 2.60 0.00 |
| COFFEEN___115KV_TB3 355620 | 39.27 1.68 -1.06 | 36.41 1.37 -0.69 | 33.55 1.19 -0.30 | 32.75 1.19 -0.19 | 31.49 1.03 -0.03 | 33.28 1.33 -0.24 | 36.61 1.54 -0.88 | 40.77 1.70 -1.35 | 44.96 1.42 -1.86 | 51.93 1.80 -2.78 | 55.47 1.66 -3.49 | 63.75 1.67 -4.63 | 68.89 1.43 -5.36 | 74.55 1.48 -5.71 | 82.31 1.55 -6.77 | 96.53 1.47 -8.75 | 106.33 2.00 -9.33 | 126.38 3.16 -10.54 | 111.41 3.25 -9.70 | 82.79 3.34 -6.81 | 70.87 2.82 -5.42 | 63.79 2.99 -4.42 | 54.46 2.49 -3.23 | 43.13 2.01 -1.74 |
| COLDSPRG_115KV_BK1 355956 | 39.24 2.70 0.00 | 35.59 1.24 0.00 | 33.19 1.12 0.00 | 32.50 1.13 0.00 | 31.31 0.88 0.00 | 33.16 1.46 0.00 | 36.48 2.29 0.00 | 41.01 3.28 0.00 | 44.80 3.13 0.00 | 50.76 3.41 0.00 | 54.70 4.38 0.00 | 62.40 4.94 0.00 | 67.81 5.71 0.00 | 73.96 6.60 0.00 | 81.09 7.10 0.00 | 93.23 6.91 0.00 | 102.51 7.51 0.00 | 121.47 8.79 0.00 | 107.23 8.76 0.00 | 79.84 7.19 0.00 | 68.01 5.39 0.00 | 61.28 4.90 0.00 | 53.67 4.92 0.00 | 43.40 4.02 0.00 |
| COLONIE_LFGE___ 323577 | 38.51 1.97 0.00 | 36.14 1.79 0.00 | 33.51 1.44 0.00 | 32.78 1.41 0.00 | 31.86 1.43 0.00 | 33.07 1.36 0.00 | 35.70 1.50 0.00 | 39.57 1.85 0.00 | 43.84 2.17 0.00 | 49.81 2.46 0.00 | 52.69 2.37 0.00 | 60.21 2.76 0.00 | 65.08 2.98 0.00 | 70.52 3.17 0.00 | 77.69 3.70 0.00 | 91.39 4.83 -0.24 | 100.32 5.32 0.00 | 119.10 6.42 0.00 | 104.17 5.71 0.00 | 76.71 4.07 0.00 | 66.07 3.44 0.00 | 59.31 2.93 0.00 | 51.04 2.29 0.00 | 41.27 1.89 0.00 |
| COOPERNY_115KV_TB1 80082 | 38.11 1.57 0.00 | 35.52 1.17 0.00 | 33.12 1.06 0.00 | 32.37 1.00 0.00 | 31.43 1.00 0.00 | 32.69 0.98 0.00 | 35.39 1.20 0.00 | 39.31 1.58 0.00 | 43.55 1.88 0.00 | 49.48 2.13 0.00 | 52.69 2.37 0.00 | 60.27 2.82 0.00 | 65.39 3.29 0.00 | 70.93 3.57 0.00 | 78.13 4.14 0.00 | 90.78 5.01 0.54 | 100.41 5.41 0.00 | 118.99 6.31 0.00 | 103.88 5.42 0.00 | 76.27 3.63 0.00 | 65.76 3.13 0.00 | 59.03 2.65 0.00 | 51.04 2.29 0.00 | 41.24 1.85 0.00 |
| COPENHAGEN_WT_PWR 323753 | 38.81 1.17 -1.11 | 36.07 1.00 -0.72 | 33.15 0.77 -0.32 | 32.35 0.78 -0.20 | 31.10 0.64 -0.03 | 32.84 0.89 -0.25 | 36.21 1.09 -0.92 | 40.39 1.24 -1.42 | 44.59 0.96 -1.95 | 51.49 1.23 -2.91 | 55.08 1.11 -3.65 | 63.40 1.09 -4.85 | 68.59 0.87 -5.62 | 74.22 0.87 -5.99 | 81.98 0.89 -7.10 | 96.18 0.69 -9.17 | 105.93 1.14 -9.78 | 125.53 1.80 -11.05 | 110.71 2.07 -10.17 | 82.03 2.25 -7.14 | 70.19 1.88 -5.68 | 63.10 2.09 -4.64 | 53.84 1.71 -3.38 | 42.59 1.38 -1.82 |
| CORNELL_____ 23752 | 38.79 1.61 -0.65 | 35.84 1.06 -0.42 | 33.18 0.93 -0.19 | 32.39 0.91 -0.12 | 31.27 0.82 -0.02 | 32.90 1.05 -0.15 | 36.10 1.37 -0.54 | 40.41 1.85 -0.83 | 44.66 1.83 -1.15 | 51.10 2.04 -1.71 | 54.78 2.31 -2.15 | 63.06 2.76 -2.85 | 68.38 2.98 -3.30 | 74.24 3.37 -3.52 | 81.86 3.70 -4.17 | 95.68 3.97 -5.39 | 105.31 4.56 -5.75 | 124.92 5.75 -6.49 | 109.95 5.51 -5.98 | 81.34 4.50 -4.19 | 69.47 3.51 -3.34 | 62.26 3.16 -2.72 | 53.51 2.78 -1.99 | 42.50 2.05 -1.07 |

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| CORONAAV_69_KV_TB1 355595 | 78.81 3.51 -38.76 | 52.13 2.82 -14.96 | 46.07 2.47 -11.54 | 41.59 2.32 -7.90 | 41.03 2.31 -8.29 | 41.81 2.31 -7.79 | 44.11 2.87 -7.04 | 46.84 3.55 -5.57 | 64.50 4.17 -18.66 | 87.04 4.50 -35.19 | 63.12 5.13 -7.66 | 69.19 6.09 -5.64 | 79.83 6.89 -10.84 | 82.29 7.61 -7.32 | 91.74 8.66 -9.10 | 244.45 10.88 -147.26 | 312.90 11.78 -206.12 | 302.77 13.75 -176.34 | 171.42 11.72 -61.24 | 80.34 7.70 0.00 | 80.47 6.70 -11.14 | 75.35 5.75 -13.22 | 63.44 5.12 -9.57 | 61.82 4.14 -18.30 |
| CORTLAND_115KV_TB3 80093 | 38.53 1.35 -0.64 | 35.63 0.86 -0.42 | 33.02 0.77 -0.18 | 32.24 0.75 -0.12 | 31.08 0.64 -0.02 | 32.68 0.82 -0.15 | 35.86 1.13 -0.54 | 40.02 1.47 -0.83 | 44.31 1.50 -1.14 | 50.75 1.70 -1.70 | 54.36 1.91 -2.13 | 62.58 2.30 -2.83 | 67.92 2.55 -3.27 | 73.68 2.83 -3.49 | 81.23 3.11 -4.14 | 94.94 3.28 -5.34 | 104.50 3.80 -5.70 | 123.74 4.62 -6.44 | 108.82 4.43 -5.93 | 80.36 3.56 -4.16 | 68.76 2.82 -3.31 | 61.62 2.54 -2.70 | 52.96 2.24 -1.97 | 42.18 1.73 -1.06 |
| COXSACKIE___GT 23611 | 40.01 3.47 0.00 | 37.48 3.13 0.00 | 34.85 2.79 0.00 | 34.00 2.64 0.00 | 33.04 2.62 0.00 | 34.34 2.63 0.00 | 36.93 2.74 0.00 | 40.33 2.60 0.00 | 44.35 2.67 0.00 | 50.29 2.94 0.00 | 52.99 2.67 0.00 | 59.69 2.24 0.00 | 64.40 2.30 0.00 | 69.51 2.15 0.00 | 76.28 2.30 0.00 | 90.79 4.31 -0.16 | 98.90 3.90 0.00 | 118.65 5.97 0.00 | 103.87 5.41 0.00 | 76.71 4.07 0.00 | 65.88 3.25 0.00 | 60.26 3.89 0.00 | 52.16 3.41 0.00 | 41.94 2.56 0.00 |
| CPV_VALLEY___CC1 323721 | 38.33 1.79 0.00 | 35.90 1.55 0.00 | 33.22 1.15 0.00 | 32.46 1.10 0.00 | 31.55 1.13 0.00 | 32.79 1.08 0.00 | 35.56 1.37 0.00 | 39.50 1.77 0.00 | 43.84 2.17 0.00 | 49.72 2.37 0.00 | 52.94 2.62 0.00 | 60.67 3.22 0.00 | 65.83 3.73 0.00 | 71.47 4.11 0.00 | 78.79 4.81 0.00 | 91.42 5.95 0.85 | 101.27 6.27 0.00 | 120.12 7.44 0.00 | 104.77 6.31 0.00 | 76.85 4.21 0.00 | 66.13 3.51 0.00 | 59.20 2.82 0.00 | 51.23 2.48 0.00 | 41.39 2.01 0.00 |
| CPV_VALLEY___CC2 323722 | 38.33 1.79 0.00 | 35.90 1.55 0.00 | 33.22 1.15 0.00 | 32.46 1.10 0.00 | 31.55 1.13 0.00 | 32.79 1.08 0.00 | 35.56 1.37 0.00 | 39.50 1.77 0.00 | 43.84 2.17 0.00 | 49.72 2.37 0.00 | 52.94 2.62 0.00 | 60.67 3.22 0.00 | 65.83 3.73 0.00 | 71.47 4.11 0.00 | 78.79 4.81 0.00 | 91.42 5.95 0.85 | 101.27 6.27 0.00 | 120.12 7.44 0.00 | 104.77 6.31 0.00 | 76.85 4.21 0.00 | 66.13 3.51 0.00 | 59.20 2.82 0.00 | 51.23 2.48 0.00 | 41.39 2.01 0.00 |
| CRESCENT___HYD 24018 | 38.51 1.97 0.00 | 36.14 1.79 0.00 | 33.51 1.44 0.00 | 32.78 1.41 0.00 | 31.86 1.43 0.00 | 33.07 1.36 0.00 | 35.70 1.50 0.00 | 39.57 1.85 0.00 | 43.84 2.17 0.00 | 49.81 2.46 0.00 | 52.69 2.37 0.00 | 60.21 2.76 0.00 | 65.08 2.98 0.00 | 70.52 3.17 0.00 | 77.69 3.70 0.00 | 91.39 4.83 -0.24 | 100.32 5.32 0.00 | 119.10 6.42 0.00 | 104.17 5.71 0.00 | 76.71 4.07 0.00 | 66.07 3.44 0.00 | 59.31 2.93 0.00 | 51.04 2.29 0.00 | 41.27 1.89 0.00 |
| CRICKET___VALLEY_CC1 323756 | 38.80 2.27 0.00 | 36.34 1.99 0.00 | 33.60 1.54 0.00 | 32.84 1.47 0.00 | 31.95 1.52 0.00 | 33.13 1.43 0.00 | 35.94 1.74 0.00 | 39.95 2.23 0.00 | 44.35 2.67 0.00 | 50.34 2.99 0.00 | 53.44 3.12 0.00 | 61.19 3.73 0.00 | 66.33 4.22 0.00 | 71.87 4.51 0.00 | 79.24 5.25 0.00 | 93.72 6.82 -0.58 | 102.03 7.03 0.00 | 120.90 8.22 0.00 | 105.45 6.99 0.00 | 77.29 4.75 0.00 | 66.58 3.95 0.00 | 59.59 3.21 0.00 | 51.57 2.83 0.00 | 41.83 2.44 0.00 |
| CRICKET___VALLEY_CC2 323757 | 38.80 2.27 0.00 | 36.34 1.99 0.00 | 33.60 1.54 0.00 | 32.84 1.47 0.00 | 31.95 1.52 0.00 | 33.13 1.43 0.00 | 35.94 1.74 0.00 | 39.95 2.23 0.00 | 44.35 2.67 0.00 | 50.34 2.99 0.00 | 53.44 3.12 0.00 | 61.19 3.73 0.00 | 66.33 4.22 0.00 | 71.87 4.51 0.00 | 79.24 5.25 0.00 | 93.72 6.82 -0.58 | 102.03 7.03 0.00 | 120.90 8.22 0.00 | 105.45 6.99 0.00 | 77.29 4.65 0.00 | 66.58 3.95 0.00 | 59.59 3.21 0.00 | 51.57 2.83 0.00 | 41.83 2.44 0.00 |
| CRICKET___VALLEY_CC3 323758 | 38.80 2.27 0.00 | 36.34 1.99 0.00 | 33.60 1.54 0.00 | 32.84 1.47 0.00 | 31.95 1.52 0.00 | 33.13 1.43 0.00 | 35.94 1.74 0.00 | 39.95 2.23 0.00 | 44.35 2.67 0.00 | 50.34 2.99 0.00 | 53.44 3.12 0.00 | 61.19 3.73 0.00 | 66.33 4.22 0.00 | 71.87 4.51 0.00 | 79.24 5.25 0.00 | 93.72 6.82 -0.58 | 102.03 7.03 0.00 | 120.90 8.22 0.00 | 105.45 6.99 0.00 | 77.29 4.65 0.00 | 66.58 3.95 0.00 | 59.59 3.21 0.00 | 51.57 2.83 0.00 | 41.83 2.44 0.00 |
| CRUCIBLE_METL_DRP 24180 | 38.04 0.26 -1.25 | 35.10 -0.07 -0.81 | 32.30 -0.13 -0.36 | 31.46 -0.13 -0.22 | 30.28 -0.18 -0.04 | 31.93 -0.06 -0.28 | 35.33 0.10 -1.04 | 39.70 0.38 -1.60 | 44.17 0.29 -2.21 | 50.92 0.28 -3.28 | 54.85 0.40 -4.12 | 63.50 0.57 -5.47 | 69.12 0.68 -6.34 | 74.92 0.81 -6.76 | 82.89 0.89 -8.01 | 97.44 0.78 -10.35 | 106.89 0.85 -11.04 | 126.28 1.13 -12.47 | 111.02 1.08 -11.48 | 81.64 0.94 -8.05 | 69.60 0.56 -6.41 | 62.12 0.51 -5.23 | 53.05 0.49 -3.82 | 41.76 0.32 -2.06 |
| DAHOWA___HYDRO 323763 | 39.24 2.70 0.00 | 36.79 2.44 0.00 | 34.02 1.96 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.61 1.90 0.00 | 36.25 2.05 0.00 | 40.10 2.38 0.00 | 44.55 2.87 0.00 | 50.57 3.22 0.00 | 53.39 3.07 0.00 | 61.13 3.68 0.00 | 66.02 3.91 0.00 | 71.33 3.97 0.00 | 78.50 4.51 0.00 | 92.24 5.70 -0.22 | 101.75 6.75 0.00 | 121.36 8.68 0.00 | 106.43 7.97 0.00 | 78.52 5.88 0.00 | 67.57 4.95 0.00 | 60.66 4.28 0.00 | 52.01 3.27 0.00 | 41.98 2.60 0.00 |
| DANC___LFGE 323619 | 38.62 0.69 -1.39 | 35.77 0.52 -0.90 | 32.78 0.32 -0.40 | 31.96 0.35 -0.25 | 30.71 0.24 -0.04 | 32.43 0.41 -0.31 | 35.93 0.58 -1.15 | 40.26 0.75 -1.78 | 44.59 0.46 -2.45 | 51.66 0.66 -3.65 | 55.51 0.61 -4.58 | 64.11 0.57 -6.08 | 69.52 0.37 -7.04 | 75.27 0.41 -7.51 | 83.34 0.45 -8.90 | 98.08 0.26 -11.50 | 107.74 0.48 -12.26 | 127.43 0.90 -13.86 | 112.40 1.19 -12.75 | 82.90 1.31 -8.95 | 70.75 1.00 -7.13 | 63.43 1.24 -5.81 | 54.06 1.07 -4.24 | 42.54 0.87 -2.29 |
| DANSKAMMER___1 23586 | 39.46 2.92 0.00 | 36.89 2.54 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.34 1.92 0.00 | 33.58 1.87 0.00 | 36.48 2.29 0.00 | 40.48 2.75 0.00 | 45.01 3.34 0.00 | 51.09 3.74 0.00 | 54.50 4.17 0.00 | 62.40 4.94 0.00 | 67.75 5.65 0.00 | 73.49 6.13 0.00 | 80.87 6.88 0.00 | 95.03 8.71 0.00 | 104.21 9.21 0.00 | 123.73 11.05 0.00 | 107.82 9.36 0.00 | 78.96 6.32 0.00 | 67.82 5.20 0.00 | 60.78 4.40 0.00 | 52.60 3.85 0.00 | 42.46 3.07 0.00 |
| DANSKAMMER___2 23589 | 39.46 2.92 0.00 | 36.89 2.54 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.34 1.92 0.00 | 33.58 1.87 0.00 | 36.48 2.29 0.00 | 40.48 2.75 0.00 | 45.01 3.34 0.00 | 51.09 3.74 0.00 | 54.50 4.17 0.00 | 62.40 4.94 0.00 | 67.75 5.65 0.00 | 73.49 6.13 0.00 | 80.87 6.88 0.00 | 95.03 8.71 0.00 | 104.21 9.21 0.00 | 123.73 11.05 0.00 | 107.82 9.36 0.00 | 78.96 6.32 0.00 | 67.82 5.20 0.00 | 60.78 4.40 0.00 | 52.60 3.85 0.00 | 42.46 3.07 0.00 |
| DANSKAMMER___3 23590 | 39.46 2.92 0.00 | 36.89 2.54 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.34 1.92 0.00 | 33.58 1.87 0.00 | 36.48 2.29 0.00 | 40.48 2.75 0.00 | 45.01 3.34 0.00 | 51.09 3.74 0.00 | 54.50 4.17 0.00 | 62.40 4.94 0.00 | 67.75 5.65 0.00 | 73.49 6.13 0.00 | 80.87 6.88 0.00 | 95.03 8.71 0.00 | 104.21 9.21 0.00 | 123.73 11.05 0.00 | 107.82 9.36 0.00 | 78.96 6.32 0.00 | 67.82 5.20 0.00 | 60.78 4.40 0.00 | 52.60 3.85 0.00 | 42.46 3.07 0.00 |

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|--|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| DANSKAMMER___4 23591 | 39.46 2.92 0.00 | 36.89 2.54 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.34 1.92 0.00 | 33.58 1.87 0.00 | 36.48 2.29 0.00 | 40.48 2.75 0.00 | 45.01 3.34 0.00 | 51.09 3.74 0.00 | 54.50 4.17 0.00 | 62.40 4.94 0.00 | 67.75 5.65 0.00 | 73.49 6.13 0.00 | 80.87 6.88 0.00 | 95.03 8.71 0.00 | 104.21 9.21 0.00 | 123.73 11.05 0.00 | 107.82 9.36 0.00 | 78.96 6.32 0.00 | 67.82 5.20 0.00 | 60.78 4.40 0.00 | 52.60 3.85 0.00 | 42.46 3.07 0.00 |
| DANSKAMMER___DIESEL 23592 | 39.46 2.92 0.00 | 36.65 2.30 0.00 | 34.12 2.05 0.00 | 33.28 1.91 0.00 | 32.34 1.92 0.00 | 33.58 1.87 0.00 | 36.45 2.26 0.00 | 40.48 2.75 0.00 | 45.01 3.33 0.00 | 51.09 3.74 0.00 | 54.50 4.18 0.00 | 62.28 4.83 0.00 | 67.69 5.59 0.00 | 73.35 5.99 0.00 | 80.72 6.73 0.00 | 94.86 8.55 0.00 | 104.12 9.12 0.00 | 123.50 10.82 0.00 | 107.62 9.16 0.00 | 78.74 6.10 0.00 | 67.76 5.14 0.00 | 60.89 4.51 0.00 | 52.60 3.85 0.00 | 42.46 3.07 0.00 |
| DARBY___SOLAR 323810 | 39.09 2.56 0.00 | 36.65 2.30 0.00 | 33.92 1.86 0.00 | 33.15 1.79 0.00 | 32.19 1.76 0.00 | 33.48 1.77 0.00 | 36.11 1.91 0.00 | 39.99 2.26 0.00 | 44.43 2.75 0.00 | 50.43 3.08 0.00 | 53.29 2.97 0.00 | 61.02 3.56 0.00 | 65.89 3.79 0.00 | 71.20 3.84 0.00 | 78.43 4.44 0.00 | 92.15 5.61 -0.23 | 101.55 6.55 0.00 | 120.90 8.22 0.00 | 105.94 7.48 0.00 | 78.09 5.45 0.00 | 67.26 4.63 0.00 | 60.38 4.00 0.00 | 51.82 3.07 0.00 | 41.83 2.44 0.00 |
| DASHVILLE___HYD 23610 | 38.91 2.37 0.00 | 36.14 1.79 0.00 | 33.64 1.57 0.00 | 32.81 1.44 0.00 | 31.89 1.46 0.00 | 33.01 1.30 0.00 | 35.77 1.57 0.00 | 39.65 1.92 0.00 | 43.97 2.29 0.00 | 49.91 2.56 0.00 | 53.24 2.92 0.00 | 60.90 3.45 0.00 | 66.20 4.10 0.00 | 71.74 4.38 0.00 | 78.94 4.96 0.00 | 94.26 7.94 0.00 | 101.65 6.65 0.00 | 120.57 7.89 0.00 | 104.96 6.50 0.00 | 76.78 4.14 0.00 | 66.07 3.44 0.00 | 59.48 3.10 0.00 | 51.62 2.88 0.00 | 41.79 2.40 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 79.83 4.53 -38.76 | 53.12 3.81 -14.96 | 46.84 3.24 -11.54 | 42.28 3.01 -7.90 | 41.70 2.98 -8.29 | 42.57 3.08 -7.79 | 44.96 3.73 -7.04 | 48.05 4.75 -5.57 | 66.38 6.04 -18.66 | 89.65 7.10 -35.20 | 71.76 7.75 -13.69 | 139.81 9.08 -73.28 | 270.13 10.43 -197.60 | 286.50 10.51 -208.64 | 274.37 11.91 -188.47 | 280.85 14.50 -180.03 | 296.87 15.29 -186.57 | 288.39 18.25 -157.46 | 270.10 16.44 -155.20 | 254.96 11.11 -171.21 | 275.39 9.77 -203.00 | 219.46 8.85 -154.23 | 71.87 7.46 -15.66 | 65.77 5.99 -20.40 |
| DELAWARE___LFGE 323621 | 38.50 1.75 -0.21 | 35.86 1.37 -0.14 | 33.38 1.25 -0.06 | 32.66 1.25 -0.04 | 31.62 1.19 -0.01 | 33.02 1.27 -0.05 | 35.81 1.44 -0.18 | 39.84 1.85 -0.27 | 44.13 2.08 -0.37 | 50.28 2.37 -0.56 | 53.64 2.62 -0.70 | 61.43 3.05 -0.93 | 66.53 3.35 -1.07 | 72.21 3.70 -1.14 | 79.49 4.14 -1.36 | 92.47 4.49 -1.66 | 101.71 4.84 -1.87 | 120.54 5.75 -2.11 | 105.52 5.12 -1.94 | 77.78 3.78 -1.36 | 67.03 3.32 -1.08 | 60.25 2.99 -0.88 | 51.93 2.53 -0.65 | 41.78 2.05 -0.35 |
| DERFIELD_115KV_TB7 355931 | 36.98 0.44 0.00 | 34.66 0.31 0.00 | 32.32 0.26 0.00 | 31.62 0.25 0.00 | 30.67 0.24 0.00 | 31.96 0.25 0.00 | 34.47 0.27 0.00 | 38.14 0.41 0.00 | 42.13 0.46 0.00 | 47.92 0.57 0.00 | 50.88 0.55 0.00 | 58.09 0.63 0.00 | 62.78 0.68 0.00 | 68.10 0.74 0.00 | 74.88 0.89 0.00 | 87.27 0.95 0.00 | 96.04 1.04 0.00 | 113.92 1.24 0.00 | 99.64 1.18 0.00 | 73.44 0.80 0.00 | 63.32 0.69 0.00 | 57.05 0.68 0.00 | 49.28 0.54 0.00 | 39.86 0.47 0.00 |
| DOGLEVILLE___HYD 23807 | 37.49 0.95 0.00 | 35.21 0.86 0.00 | 32.74 0.67 0.00 | 32.03 0.66 0.00 | 31.07 0.64 0.00 | 32.40 0.70 0.00 | 34.98 0.79 0.00 | 38.67 0.94 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.58 1.26 0.00 | 58.95 1.49 0.00 | 63.59 1.49 0.00 | 68.84 1.48 0.00 | 75.69 1.70 0.00 | 88.04 1.73 0.00 | 97.09 2.09 0.00 | 115.27 2.59 0.00 | 100.82 2.36 0.00 | 74.46 1.82 0.00 | 64.13 1.50 0.00 | 57.84 1.46 0.00 | 49.97 1.22 0.00 | 40.41 1.02 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 38.51 1.97 0.00 | 34.97 0.62 0.00 | 32.61 0.55 0.00 | 31.93 0.56 0.00 | 30.73 0.30 0.00 | 32.53 0.82 0.00 | 35.73 1.54 0.00 | 40.03 2.30 0.00 | 43.72 2.04 0.00 | 49.77 2.41 0.00 | 53.59 3.27 0.00 | 61.13 3.68 0.00 | 66.45 4.35 0.00 | 72.48 5.12 0.00 | 79.47 5.48 0.00 | 91.41 5.09 0.00 | 100.61 5.61 0.00 | 119.22 6.54 0.00 | 105.16 6.70 0.00 | 78.24 5.59 0.00 | 66.57 3.95 0.00 | 60.10 3.72 0.00 | 52.79 4.05 0.00 | 42.57 3.19 0.00 |
| DUNKIRK___1 23563 | 38.51 1.97 0.00 | 34.97 0.62 0.00 | 32.61 0.55 0.00 | 31.93 0.56 0.00 | 30.73 0.30 0.00 | 32.53 0.82 0.00 | 35.73 1.54 0.00 | 40.03 2.30 0.00 | 43.72 2.04 0.00 | 49.77 2.41 0.00 | 53.59 3.27 0.00 | 61.13 3.68 0.00 | 66.45 4.35 0.00 | 72.48 5.12 0.00 | 79.47 5.48 0.00 | 91.41 5.09 0.00 | 100.61 5.61 0.00 | 119.22 6.54 0.00 | 105.16 6.70 0.00 | 78.24 5.59 0.00 | 66.57 3.95 0.00 | 60.10 3.72 0.00 | 52.79 4.05 0.00 | 42.57 3.19 0.00 |
| DUNKIRK___2 23564 | 38.51 1.97 0.00 | 34.97 0.62 0.00 | 32.61 0.55 0.00 | 31.93 0.56 0.00 | 30.73 0.30 0.00 | 32.53 0.82 0.00 | 35.73 1.54 0.00 | 40.03 2.30 0.00 | 43.72 2.04 0.00 | 49.77 2.41 0.00 | 53.59 3.27 0.00 | 61.13 3.68 0.00 | 66.45 4.35 0.00 | 72.48 5.12 0.00 | 79.47 5.48 0.00 | 91.41 5.09 0.00 | 100.61 5.61 0.00 | 119.22 6.54 0.00 | 105.16 6.70 0.00 | 78.24 5.59 0.00 | 66.57 3.95 0.00 | 60.10 3.72 0.00 | 52.79 4.05 0.00 | 42.57 3.19 0.00 |
| DUNKIRK___3 23565 | 38.22 1.68 0.00 | 34.73 0.38 0.00 | 32.39 0.32 0.00 | 31.71 0.35 0.00 | 30.52 0.09 0.00 | 32.28 0.57 0.00 | 35.42 1.23 0.00 | 39.65 1.92 0.00 | 43.30 1.63 0.00 | 49.29 1.94 0.00 | 53.09 2.77 0.00 | 60.50 3.05 0.00 | 65.83 3.73 0.00 | 71.74 4.38 0.00 | 78.73 4.74 0.00 | 90.55 4.23 0.00 | 99.66 4.65 0.00 | 118.09 5.41 0.00 | 104.17 5.71 0.00 | 77.51 4.87 0.00 | 65.95 3.32 0.00 | 59.53 3.16 0.00 | 52.31 3.56 0.00 | 42.22 2.84 0.00 |
| DUNKIRK___4 23566 | 38.22 1.68 0.00 | 34.73 0.38 0.00 | 32.39 0.32 0.00 | 31.71 0.35 0.00 | 30.52 0.09 0.00 | 32.28 0.57 0.00 | 35.42 1.23 0.00 | 39.65 1.92 0.00 | 43.30 1.63 0.00 | 49.29 1.94 0.00 | 53.09 2.77 0.00 | 60.50 3.05 0.00 | 65.83 3.73 0.00 | 71.74 4.38 0.00 | 78.73 4.74 0.00 | 90.55 4.23 0.00 | 99.66 4.65 0.00 | 118.09 5.41 0.00 | 104.17 5.71 0.00 | 77.51 4.87 0.00 | 65.95 3.32 0.00 | 59.53 3.16 0.00 | 52.31 3.56 0.00 | 42.22 2.84 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 39.28 2.74 0.00 | 36.48 2.13 0.00 | 33.89 1.83 0.00 | 33.09 1.73 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.38 2.19 0.00 | 40.59 2.87 0.00 | 45.13 3.46 0.00 | 51.14 3.79 0.00 | 54.55 4.23 0.00 | 62.40 4.94 0.00 | 67.88 5.78 0.00 | 73.69 6.33 0.00 | 81.31 7.32 0.00 | 96.84 9.24 -1.28 | 104.78 9.78 0.00 | 124.06 11.38 0.00 | 108.01 9.55 0.00 | 78.89 6.25 0.00 | 68.01 5.39 0.00 | 60.89 4.51 0.00 | 52.65 3.90 0.00 | 42.61 3.23 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 39.02 2.48 0.00 | 36.24 1.89 0.00 | 33.73 1.67 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.26 1.55 0.00 | 36.07 1.88 0.00 | 40.10 2.38 0.00 | 44.51 2.83 0.00 | 50.57 3.22 0.00 | 53.89 3.57 0.00 | 61.59 4.14 0.00 | 66.88 4.78 0.00 | 72.54 5.19 0.00 | 79.91 5.92 0.00 | 93.40 7.51 0.42 | 102.88 7.88 0.00 | 122.03 9.35 0.00 | 106.44 7.98 0.00 | 77.87 5.23 0.00 | 67.07 4.45 0.00 | 60.27 3.89 0.00 | 52.06 3.31 0.00 | 42.02 2.64 0.00 |

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| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 39.72 3.18 -0.01 | 36.87 2.51 -0.01 | 34.19 2.12 -0.01 | 33.35 1.98 -0.01 | 32.38 1.95 -0.01 | 33.65 1.93 -0.01 | 36.73 2.53 -0.01 | 41.05 3.32 -0.01 | 45.56 3.88 -0.01 | 51.38 4.02 0.00 | 54.81 4.48 -0.01 | 62.63 5.17 -0.01 | 68.01 5.90 -0.01 | 73.70 6.33 -0.01 | 81.39 7.40 -0.01 | 97.10 9.49 -1.29 | 104.70 9.69 -0.01 | 123.84 11.16 -0.01 | 107.82 9.35 -0.01 | 78.46 5.81 -0.01 | 67.90 5.26 -0.01 | 60.95 4.57 -0.01 | 53.04 4.29 -0.01 | 43.17 3.78 -0.01 |
| E179THST_13_KV_LOAD 356214 | 39.98 3.43 -0.01 | 37.07 2.71 -0.01 | 34.38 2.31 -0.01 | 33.51 2.13 -0.01 | 32.56 2.13 -0.01 | 33.84 2.12 -0.01 | 36.94 2.74 -0.01 | 41.32 3.58 -0.01 | 45.85 4.17 -0.01 | 51.71 4.36 0.00 | 55.21 4.88 -0.01 | 63.15 5.69 -0.01 | 68.57 6.46 -0.01 | 74.30 6.94 -0.01 | 82.06 8.06 -0.01 | 97.97 10.36 -1.29 | 105.55 10.54 -0.01 | 124.97 12.28 -0.01 | 108.71 10.24 -0.01 | 79.11 6.47 -0.01 | 68.46 5.82 -0.01 | 61.46 5.07 -0.01 | 53.48 4.73 -0.01 | 43.45 4.06 -0.01 |
| EAST HAMPTON___GT 23717 | 79.94 4.64 -38.76 | 53.53 4.22 -14.96 | 46.91 3.30 -11.54 | 42.31 3.04 -7.90 | 41.73 3.01 -8.29 | 42.67 3.17 -7.79 | 45.13 3.90 -7.04 | 48.35 5.06 -5.57 | 66.92 6.58 -18.66 | 90.36 7.81 -35.20 | 72.72 8.71 -13.69 | 141.15 10.40 -73.30 | 271.54 11.80 -197.64 | 287.02 10.98 -208.68 | 275.00 12.51 -188.51 | 281.55 15.20 -180.04 | 297.81 16.24 -186.57 | 289.63 19.50 -157.46 | 271.40 17.72 -155.22 | 255.87 11.98 -171.25 | 276.25 10.59 -203.04 | 220.56 9.93 -154.26 | 72.94 8.53 -15.66 | 66.56 6.78 -20.40 |
| EAST RIVER___6 23660 | 39.53 3.00 0.00 | 36.96 2.61 0.00 | 34.02 1.96 0.00 | 33.12 1.76 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.55 3.88 0.00 | 51.47 4.12 0.00 | 54.90 4.58 0.00 | 63.09 5.63 0.00 | 68.62 6.52 0.00 | 74.36 7.00 0.00 | 82.20 8.21 0.00 | 97.87 10.27 -1.28 | 105.54 10.54 0.00 | 124.96 12.28 0.00 | 108.51 10.05 0.00 | 79.25 6.61 0.00 | 68.39 5.76 0.00 | 61.17 4.79 0.00 | 53.04 4.29 0.00 | 42.97 3.58 0.00 |
| EAST RIVER___7 23524 | 39.53 3.00 0.00 | 36.96 2.61 0.00 | 34.02 1.96 0.00 | 33.12 1.76 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.55 3.88 0.00 | 51.47 4.12 0.00 | 54.90 4.58 0.00 | 63.09 5.63 0.00 | 68.62 6.52 0.00 | 74.36 7.00 0.00 | 82.20 8.21 0.00 | 97.87 10.27 -1.28 | 105.54 10.54 0.00 | 124.96 12.28 0.00 | 108.51 10.05 0.00 | 79.25 6.61 0.00 | 68.39 5.76 0.00 | 61.17 4.79 0.00 | 53.04 4.29 0.00 | 42.97 3.58 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 39.20 2.67 0.00 | 36.41 2.06 0.00 | 33.83 1.76 0.00 | 33.03 1.66 0.00 | 32.10 1.67 0.00 | 33.36 1.65 0.00 | 36.28 2.09 0.00 | 40.48 2.75 0.00 | 44.97 3.29 0.00 | 51.00 3.65 0.00 | 54.40 4.08 0.00 | 62.22 4.77 0.00 | 67.69 5.59 0.00 | 73.49 6.13 0.00 | 81.09 7.10 0.00 | 96.58 8.89 -1.37 | 104.40 9.40 0.00 | 123.61 10.93 0.00 | 107.72 9.26 0.00 | 78.67 6.03 0.00 | 67.83 5.20 0.00 | 60.72 4.34 0.00 | 52.50 3.75 0.00 | 42.46 3.07 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 79.87 4.57 -38.76 | 53.46 4.15 -14.96 | 46.87 3.27 -11.54 | 42.28 3.01 -7.90 | 41.70 2.98 -8.29 | 42.64 3.14 -7.79 | 45.10 3.86 -7.04 | 48.31 5.02 -5.57 | 66.92 6.58 -18.66 | 90.36 7.81 -35.20 | 72.67 8.66 -13.69 | 141.15 10.40 -73.29 | 271.48 11.74 -197.64 | 287.02 10.98 -208.68 | 275.00 12.51 -188.51 | 281.55 15.20 -180.04 | 297.81 16.24 -186.57 | 289.63 19.50 -157.46 | 271.51 17.83 -155.22 | 255.95 12.06 -171.24 | 276.25 10.59 -203.03 | 220.50 9.86 -154.26 | 72.94 8.53 -15.66 | 66.56 6.78 -20.40 |
| EAST_POINT___SOLAR 323840 | 40.88 4.35 0.00 | 38.23 3.88 0.00 | 35.30 3.24 0.00 | 34.50 3.14 0.00 | 33.19 2.77 0.00 | 34.94 3.24 0.00 | 37.85 3.66 0.00 | 41.99 4.26 0.00 | 45.93 4.25 0.00 | 51.94 4.59 0.00 | 55.15 4.83 0.00 | 62.80 5.34 0.00 | 67.69 5.59 0.00 | 73.55 6.19 0.00 | 80.79 6.80 0.00 | 94.39 7.94 -0.14 | 103.36 8.36 0.00 | 121.80 9.12 0.00 | 108.70 10.24 0.00 | 81.06 8.42 0.00 | 70.65 8.02 0.00 | 63.88 7.50 0.00 | 54.69 5.95 0.00 | 43.91 4.53 0.00 |
| EAST_PULASKI___ESR 323781 | 38.74 0.22 -1.99 | 35.72 0.07 -1.29 | 32.54 -0.10 -0.57 | 31.63 -0.09 -0.35 | 30.34 -0.15 -0.06 | 32.12 -0.03 -0.45 | 35.98 0.14 -1.65 | 40.57 0.30 -2.54 | 45.18 0.00 -3.51 | 52.62 0.05 -5.22 | 56.98 0.10 -6.56 | 66.22 0.06 -8.71 | 72.12 -0.06 -10.08 | 78.04 -0.07 -10.75 | 86.66 -0.07 -12.74 | 102.52 -0.26 -16.46 | 112.37 -0.19 -17.56 | 132.52 0.00 -19.84 | 116.92 0.20 -18.26 | 85.89 0.44 -12.81 | 73.02 0.19 -10.20 | 65.10 0.40 -8.32 | 55.26 0.44 -6.07 | 43.05 0.39 -3.27 |
| EAST_RIVER___1 323558 | 39.50 2.96 0.00 | 36.93 2.58 0.00 | 33.99 1.92 0.00 | 33.15 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.55 2.36 0.00 | 40.85 3.13 0.00 | 45.47 3.79 0.00 | 51.38 4.02 0.00 | 54.75 4.43 0.00 | 62.85 5.40 0.00 | 68.44 6.34 0.00 | 74.16 6.80 0.00 | 81.98 7.99 0.00 | 97.61 10.01 -1.28 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 108.51 10.05 0.00 | 79.25 6.61 0.00 | 68.27 5.64 0.00 | 61.00 4.62 0.00 | 52.94 4.19 0.00 | 42.93 3.55 0.00 |
| EAST_RIVER___2 323559 | 39.53 3.00 0.00 | 36.96 2.61 0.00 | 34.02 1.96 0.00 | 33.12 1.76 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.55 3.88 0.00 | 51.47 4.12 0.00 | 54.90 4.58 0.00 | 63.09 5.63 0.00 | 68.62 6.52 0.00 | 74.36 7.00 0.00 | 82.20 8.21 0.00 | 97.87 10.27 -1.28 | 105.54 10.54 0.00 | 124.96 12.28 0.00 | 108.51 10.05 0.00 | 79.25 6.61 0.00 | 68.39 5.76 0.00 | 61.17 4.79 0.00 | 53.04 4.29 0.00 | 42.97 3.58 0.00 |
| EAST___DELAWARE_HYD 23607 | 38.36 1.83 0.00 | 35.83 1.48 0.00 | 33.12 1.06 0.00 | 32.31 0.94 0.00 | 31.40 0.97 0.00 | 32.63 0.92 0.00 | 35.42 1.23 0.00 | 39.27 1.55 0.00 | 43.59 1.92 0.00 | 49.53 2.18 0.00 | 52.74 2.42 0.00 | 60.50 3.04 0.00 | 65.58 3.48 0.00 | 71.13 3.77 0.00 | 78.28 4.29 0.00 | 91.63 5.61 0.29 | 100.89 5.89 0.00 | 119.90 7.22 0.00 | 104.67 6.21 0.00 | 76.71 4.07 0.00 | 65.88 3.25 0.00 | 59.08 2.71 0.00 | 51.18 2.44 0.00 | 41.27 1.89 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 38.80 2.01 -0.26 | 35.96 1.44 -0.17 | 32.91 0.77 -0.07 | 32.26 0.85 -0.05 | 31.04 0.61 -0.01 | 32.90 1.14 -0.06 | 36.25 1.85 -0.22 | 40.62 2.57 -0.33 | 44.30 2.17 -0.46 | 50.59 2.56 -0.68 | 54.50 3.32 -0.86 | 62.55 3.96 -1.14 | 67.58 4.16 -1.32 | 73.55 4.78 -1.41 | 80.83 5.18 -1.67 | 93.39 4.92 -2.15 | 103.09 5.80 -2.30 | 121.81 6.53 -2.59 | 107.84 6.99 -2.39 | 80.13 5.81 -1.67 | 68.22 4.26 -1.33 | 61.58 4.11 -1.09 | 53.68 4.14 -0.79 | 43.04 3.23 -0.43 |
| ELBRIDGE_115KV_TB2 80188 | 38.04 0.18 -1.32 | 35.08 -0.14 -0.86 | 32.25 -0.19 -0.38 | 31.42 -0.19 -0.24 | 30.25 -0.21 -0.04 | 31.91 -0.10 -0.30 | 35.36 0.07 -1.10 | 39.72 0.30 -1.69 | 44.26 0.25 -2.34 | 51.11 0.28 -3.48 | 55.14 0.45 -4.37 | 63.83 0.57 -5.80 | 69.50 0.68 -6.71 | 75.32 0.81 -7.15 | 83.36 0.89 -8.48 | 98.05 0.78 -10.96 | 107.54 0.85 -11.69 | 127.01 1.13 -13.20 | 111.80 1.18 -12.15 | 82.18 1.02 -8.53 | 70.04 0.63 -6.79 | 62.54 0.62 -5.54 | 53.38 0.58 -4.04 | 41.92 0.35 -2.18 |
| ELEC_TRO_TEK 24086 | 78.55 3.25 -38.76 | 51.92 2.61 -14.96 | 45.88 2.28 -11.54 | 41.40 2.13 -7.90 | 40.85 2.13 -8.29 | 41.62 2.12 -7.79 | 43.87 2.63 -7.04 | 46.65 3.36 -5.57 | 64.29 3.96 -18.66 | 86.90 4.36 -35.19 | 62.87 4.88 -7.66 | 68.84 5.75 -5.64 | 79.58 6.64 -10.84 | 81.96 7.27 -7.32 | 91.37 8.29 -9.10 | 243.93 10.36 -147.26 | 301.82 11.02 -195.80 | 291.90 12.85 -166.37 | 170.54 10.83 -61.24 | 79.69 7.05 0.00 | 79.96 6.20 -11.14 | 74.90 5.30 -13.22 | 62.90 4.58 -9.57 | 61.42 3.74 -18.30 |

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|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ELLENBURG_WT_PWR 323604 | 35.62 -0.91 0.00 | 33.80 -0.55 0.00 | 31.87 -0.19 0.00 | 31.15 -0.22 0.00 | 30.21 -0.21 0.00 | 31.58 -0.13 0.00 | 33.92 -0.27 0.00 | 37.12 -0.61 0.00 | 40.93 -0.75 0.00 | 46.41 -0.95 0.00 | 49.21 -1.11 0.00 | 55.10 -2.36 0.00 | 59.49 -2.61 0.00 | 64.46 -2.89 0.00 | 69.40 -4.59 0.00 | 81.14 -5.18 0.00 | 89.59 -5.41 0.00 | 106.48 -6.20 0.00 | 92.75 -5.71 0.00 | 68.57 -4.07 0.00 | 60.38 -2.25 0.00 | 55.19 -1.19 0.00 | 47.53 -1.22 0.00 | 38.40 -0.98 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 37.67 1.13 0.00 | 34.22 -0.14 0.00 | 31.91 -0.16 0.00 | 31.24 -0.13 0.00 | 30.06 -0.37 0.00 | 31.80 0.10 0.00 | 34.84 0.65 0.00 | 38.89 1.17 0.00 | 42.47 0.79 0.00 | 48.35 0.99 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.46 2.36 0.00 | 70.26 2.90 0.00 | 77.10 3.11 0.00 | 88.65 2.33 0.00 | 97.57 2.56 0.00 | 115.50 2.82 0.00 | 101.81 3.35 0.00 | 75.69 3.05 0.00 | 64.44 1.82 0.00 | 58.29 1.92 0.00 | 51.33 2.58 0.00 | 41.51 2.13 0.00 |
| EMPIRE_CC_1 323656 | 38.07 1.53 0.00 | 35.76 1.41 0.00 | 33.16 1.09 0.00 | 32.43 1.07 0.00 | 31.55 1.13 0.00 | 32.72 1.01 0.00 | 35.32 1.13 0.00 | 39.16 1.43 0.00 | 43.34 1.67 0.00 | 49.30 1.94 0.00 | 51.83 1.51 0.00 | 59.18 1.72 0.00 | 63.90 1.80 0.00 | 69.31 1.95 0.00 | 76.43 2.44 0.00 | 89.99 3.36 -0.31 | 98.52 3.52 0.00 | 116.85 4.17 0.00 | 102.11 3.65 0.00 | 75.11 2.47 0.00 | 64.69 2.06 0.00 | 58.18 1.80 0.00 | 50.16 1.41 0.00 | 40.64 1.26 0.00 |
| EMPIRE_CC_2 323658 | 38.07 1.53 0.00 | 35.76 1.41 0.00 | 33.16 1.09 0.00 | 32.43 1.07 0.00 | 31.55 1.13 0.00 | 32.72 1.01 0.00 | 35.32 1.13 0.00 | 39.16 1.43 0.00 | 43.34 1.67 0.00 | 49.30 1.94 0.00 | 51.83 1.51 0.00 | 59.18 1.72 0.00 | 63.90 1.80 0.00 | 69.31 1.95 0.00 | 76.43 2.44 0.00 | 89.99 3.36 -0.31 | 98.52 3.52 0.00 | 116.85 4.17 0.00 | 102.11 3.65 0.00 | 75.11 2.47 0.00 | 64.69 2.06 0.00 | 58.18 1.80 0.00 | 50.16 1.41 0.00 | 40.64 1.26 0.00 |
| ENORWICH_115KV_TB1 80156 | 41.04 4.02 -0.49 | 37.93 3.26 -0.32 | 35.15 2.95 -0.14 | 34.34 2.89 -0.09 | 33.03 2.59 -0.02 | 34.89 3.08 -0.11 | 38.19 3.59 -0.40 | 42.72 4.38 -0.62 | 46.87 4.33 -0.86 | 53.65 5.02 -1.28 | 57.21 5.28 -1.60 | 65.90 6.32 -2.13 | 71.02 6.46 -2.46 | 77.13 7.14 -2.63 | 84.95 7.84 -3.12 | 98.74 8.46 -3.96 | 109.27 9.97 -4.29 | 130.04 12.51 -4.85 | 114.74 11.82 -4.46 | 85.14 9.37 -3.13 | 72.82 7.70 -2.49 | 65.63 7.22 -2.03 | 56.47 6.24 -1.48 | 45.15 4.96 -0.80 |
| ERIE_ST_34_KV_TB1-2 80199 | 38.33 1.79 0.00 | 34.80 0.45 0.00 | 32.45 0.38 0.00 | 31.74 0.38 0.00 | 30.55 0.12 0.00 | 32.34 0.63 0.00 | 35.46 1.27 0.00 | 39.76 2.04 0.00 | 43.43 1.75 0.00 | 49.44 2.08 0.00 | 53.24 2.92 0.00 | 60.79 3.33 0.00 | 66.14 4.04 0.00 | 72.16 4.78 -0.02 | 79.19 5.18 -0.02 | 91.17 4.83 -0.02 | 100.15 5.13 -0.02 | 118.67 5.97 -0.02 | 104.58 6.10 -0.02 | 77.74 5.08 -0.02 | 66.13 3.51 0.00 | 59.65 3.27 0.00 | 52.45 3.70 0.00 | 42.30 2.91 0.00 |
| ERIE_WT_PWR 323693 | 38.00 1.46 0.00 | 35.11 0.75 0.00 | 32.13 0.06 0.00 | 31.56 0.19 0.00 | 30.30 -0.12 0.00 | 32.06 0.35 0.00 | 35.15 0.96 0.00 | 39.27 1.55 0.00 | 42.80 1.13 0.00 | 48.82 1.47 0.00 | 52.69 2.37 0.00 | 60.10 2.64 0.00 | 65.20 3.10 0.00 | 71.06 3.70 0.00 | 77.91 3.92 0.00 | 89.68 3.36 0.00 | 98.99 3.99 0.00 | 116.86 4.17 0.00 | 103.19 4.73 0.00 | 76.35 3.70 0.00 | 65.14 2.51 0.00 | 58.92 2.54 0.00 | 51.82 3.07 0.00 | 41.91 2.52 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 39.72 3.18 0.00 | 36.93 2.58 0.00 | 34.34 2.28 0.00 | 33.59 2.23 0.00 | 32.49 2.07 0.00 | 34.08 2.38 0.00 | 36.96 2.77 0.00 | 41.12 3.40 0.00 | 45.30 3.63 0.00 | 51.43 4.07 0.00 | 54.75 4.43 0.00 | 62.63 5.17 0.00 | 67.57 5.46 0.00 | 73.42 6.06 0.00 | 80.65 6.66 0.00 | 93.71 7.34 -0.05 | 102.69 7.69 0.00 | 121.81 9.13 0.00 | 107.22 8.76 0.00 | 79.40 6.76 0.00 | 68.64 6.01 0.00 | 62.07 5.69 0.00 | 53.38 4.63 0.00 | 42.93 3.54 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 38.74 1.53 -0.67 | 35.79 1.00 -0.44 | 33.16 0.90 -0.19 | 32.37 0.88 -0.12 | 31.21 0.76 -0.02 | 32.84 0.98 -0.15 | 36.05 1.30 -0.56 | 40.36 1.77 -0.86 | 44.57 1.71 -1.19 | 51.07 1.94 -1.77 | 54.76 2.21 -2.22 | 63.05 2.64 -2.95 | 68.37 2.86 -3.42 | 74.23 3.23 -3.64 | 81.86 3.55 -4.32 | 95.70 3.80 -5.58 | 105.32 4.37 -5.95 | 124.92 5.52 -6.72 | 109.87 5.22 -6.19 | 81.27 4.29 -4.34 | 69.47 3.38 -3.46 | 62.24 3.04 -2.82 | 53.49 2.68 -2.06 | 42.46 1.97 -1.11 |
| ETNA____115KV_TB2 80207 | 38.74 1.53 -0.67 | 35.79 1.00 -0.44 | 33.16 0.90 -0.19 | 32.37 0.88 -0.12 | 31.21 0.76 -0.02 | 32.84 0.98 -0.15 | 36.05 1.30 -0.56 | 40.36 1.77 -0.86 | 44.57 1.71 -1.19 | 51.07 1.94 -1.77 | 54.76 2.21 -2.22 | 63.05 2.64 -2.95 | 68.37 2.86 -3.42 | 74.23 3.23 -3.64 | 81.86 3.55 -4.32 | 95.70 3.80 -5.58 | 105.32 4.37 -5.95 | 124.92 5.52 -6.72 | 109.87 5.22 -6.19 | 81.27 4.29 -4.34 | 69.47 3.38 -3.46 | 62.24 3.04 -2.82 | 53.49 2.68 -2.06 | 42.46 1.97 -1.11 |
| EUCLID____115KV_TB2 356179 | 37.07 -0.04 -0.57 | 34.38 -0.34 -0.37 | 31.88 -0.35 -0.16 | 31.12 -0.35 -0.10 | 30.05 -0.40 -0.02 | 31.52 -0.32 -0.13 | 34.50 -0.17 -0.47 | 38.46 0.00 -0.73 | 42.60 -0.08 -1.01 | 48.81 -0.05 -1.50 | 52.31 0.10 -1.88 | 60.13 0.17 -2.50 | 65.24 0.25 -2.90 | 70.78 0.34 -3.09 | 78.02 0.37 -3.66 | 91.22 0.17 -4.73 | 100.33 0.28 -5.04 | 118.71 0.34 -5.70 | 104.10 0.39 -5.24 | 76.76 0.44 -3.68 | 65.68 0.13 -2.93 | 58.88 0.11 -2.39 | 50.69 0.19 -1.74 | 40.40 0.08 -0.94 |
| E_CANADA_CAP_HY 24051 | 40.48 3.95 0.00 | 37.86 3.51 0.00 | 34.98 2.92 0.00 | 34.19 2.82 0.00 | 33.01 2.58 0.00 | 34.66 2.95 0.00 | 37.58 3.39 0.00 | 41.68 3.96 0.00 | 45.88 4.21 0.00 | 51.94 4.59 0.00 | 55.20 4.88 0.00 | 63.14 5.69 0.00 | 68.06 5.96 0.00 | 73.89 6.53 0.00 | 81.24 7.25 0.00 | 94.80 8.37 -0.11 | 103.45 8.45 0.00 | 122.71 10.03 0.00 | 108.40 9.94 0.00 | 80.56 7.92 0.00 | 69.70 7.07 0.00 | 63.14 6.76 0.00 | 54.21 5.46 0.00 | 43.52 4.13 0.00 |
| E_CANADA_MHWK_HY 24050 | 37.49 0.95 0.00 | 35.21 0.86 0.00 | 32.74 0.67 0.00 | 32.03 0.66 0.00 | 31.07 0.64 0.00 | 32.40 0.70 0.00 | 34.98 0.79 0.00 | 38.67 0.94 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.58 1.26 0.00 | 58.95 1.49 0.00 | 63.59 1.49 0.00 | 68.84 1.48 0.00 | 75.69 1.70 0.00 | 88.04 1.73 0.00 | 97.09 2.09 0.00 | 115.27 2.59 0.00 | 100.82 2.36 0.00 | 74.46 1.82 0.00 | 64.13 1.50 0.00 | 57.84 1.46 0.00 | 49.97 1.22 0.00 | 40.41 1.02 0.00 |
| E_FISHKILL____LBMP 23776 | 38.88 2.34 0.00 | 36.17 1.82 0.00 | 33.64 1.57 0.00 | 32.84 1.47 0.00 | 31.92 1.49 0.00 | 33.16 1.46 0.00 | 36.01 1.81 0.00 | 40.10 2.38 0.00 | 44.51 2.83 0.00 | 50.48 3.13 0.00 | 53.74 3.42 0.00 | 61.42 3.96 0.00 | 66.76 4.66 0.00 | 72.41 5.05 0.00 | 79.83 5.85 0.00 | 94.21 7.42 -0.47 | 102.79 7.79 0.00 | 121.69 9.01 0.00 | 106.14 7.68 0.00 | 77.65 5.01 0.00 | 66.95 4.32 0.00 | 60.10 3.72 0.00 | 51.92 3.17 0.00 | 42.02 2.64 0.00 |
| FALCON____SEABRD_CC1 323796 | 36.03 -0.51 0.00 | 34.18 -0.17 0.00 | 32.23 0.16 0.00 | 31.49 0.13 0.00 | 30.55 0.12 0.00 | 31.96 0.25 0.00 | 34.37 0.17 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.97 -0.38 0.00 | 49.82 -0.50 0.00 | 55.04 -2.41 0.00 | 59.37 -2.73 0.00 | 64.33 -3.03 0.00 | 68.44 -5.55 0.00 | 80.02 -6.30 0.00 | 88.35 -6.65 0.00 | 105.01 -7.67 0.00 | 91.47 -6.99 0.00 | 67.63 -5.01 0.00 | 60.38 -2.25 0.00 | 55.87 -0.51 0.00 | 48.11 -0.64 0.00 | 38.83 -0.55 0.00 |

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| FALCON___SEABRD_CC2 323797 | 36.03 -0.51 0.00 | 34.18 -0.17 0.00 | 32.23 0.16 0.00 | 31.49 0.13 0.00 | 30.55 0.12 0.00 | 31.96 0.25 0.00 | 34.37 0.17 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.97 -0.38 0.00 | 49.82 -0.50 0.00 | 55.04 -2.41 0.00 | 59.37 -2.73 0.00 | 64.33 -3.03 0.00 | 68.44 -5.55 0.00 | 80.02 -6.30 0.00 | 88.35 -6.65 0.00 | 105.01 -7.67 0.00 | 91.47 -6.99 0.00 | 67.63 -5.01 0.00 | 60.38 -2.25 0.00 | 55.87 -0.51 0.00 | 48.11 -0.64 0.00 | 38.83 -0.55 0.00 |
| FAR ROCKAWAY___4 23548 | 79.25 3.95 -38.76 | 52.54 3.23 -14.96 | 46.39 2.79 -11.54 | 41.90 2.63 -7.90 | 41.34 2.62 -8.29 | 42.13 2.63 -7.79 | 44.41 3.18 -7.04 | 47.22 3.92 -5.57 | 65.00 4.67 -18.66 | 87.27 4.74 -35.19 | 63.47 5.49 -7.66 | 69.64 6.55 -5.64 | 80.39 7.45 -10.84 | 82.97 8.29 -7.32 | 92.55 9.47 -9.10 | 245.32 11.74 -147.26 | 314.71 12.73 -206.98 | 304.72 14.87 -177.17 | 172.31 12.60 -61.24 | 81.00 8.35 0.00 | 80.90 7.14 -11.14 | 75.75 6.15 -13.22 | 64.12 5.80 -9.57 | 62.37 4.69 -18.30 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 39.53 3.00 0.00 | 36.69 2.34 0.00 | 34.02 1.96 0.00 | 33.19 1.82 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.47 3.79 0.00 | 51.43 4.07 0.00 | 54.85 4.53 0.00 | 62.80 5.34 0.00 | 68.31 6.21 0.00 | 74.09 6.74 0.00 | 81.76 7.77 0.00 | 97.44 9.84 -1.28 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 108.40 9.94 0.00 | 79.03 6.39 0.00 | 68.20 5.57 0.00 | 61.17 4.79 0.00 | 52.99 4.24 0.00 | 42.93 3.54 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 39.53 3.00 0.00 | 36.69 2.34 0.00 | 34.02 1.96 0.00 | 33.19 1.82 0.00 | 32.22 1.80 0.00 | 33.51 1.81 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.47 3.79 0.00 | 51.43 4.07 0.00 | 54.85 4.53 0.00 | 62.80 5.34 0.00 | 68.31 6.21 0.00 | 74.09 6.74 0.00 | 81.76 7.77 0.00 | 97.44 9.84 -1.28 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 108.40 9.94 0.00 | 79.11 6.47 0.00 | 68.26 5.64 0.00 | 61.17 4.79 0.00 | 53.04 4.29 0.00 | 42.97 3.58 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 39.50 2.96 0.00 | 36.65 2.30 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.43 3.75 0.00 | 51.38 4.02 0.00 | 54.80 4.48 0.00 | 62.74 5.29 0.00 | 68.25 6.15 0.00 | 74.03 6.67 0.00 | 81.68 7.69 0.00 | 97.36 9.75 -1.28 | 105.26 10.26 0.00 | 124.51 11.83 0.00 | 108.31 9.85 0.00 | 78.96 6.32 0.00 | 68.14 5.51 0.00 | 61.06 4.68 0.00 | 52.94 4.19 0.00 | 42.89 3.51 0.00 |
| FARRAGUT___LBMP 323566 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.96 1.89 0.00 | 33.12 1.76 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.63 5.17 0.00 | 68.12 6.02 0.00 | 73.89 6.53 0.00 | 81.61 7.62 0.00 | 97.27 9.67 -1.28 | 105.07 10.07 0.00 | 124.40 11.72 0.00 | 108.11 9.65 0.00 | 78.89 6.25 0.00 | 68.08 5.45 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |
| FENNER___WINDPWR 24204 | 38.47 1.42 -0.51 | 35.89 1.20 -0.33 | 33.17 0.96 -0.15 | 32.40 0.94 -0.09 | 31.26 0.82 -0.02 | 32.84 1.01 -0.12 | 35.85 1.23 -0.42 | 39.66 1.28 -0.65 | 43.91 1.33 -0.90 | 50.25 1.56 -1.34 | 53.76 1.76 -1.68 | 61.87 2.18 -2.23 | 66.86 2.17 -2.58 | 72.53 2.42 -2.75 | 79.91 2.66 -3.27 | 93.21 2.68 -4.22 | 102.82 3.32 -4.50 | 121.81 4.05 -5.08 | 106.98 3.84 -4.68 | 78.90 2.98 -3.28 | 67.62 2.38 -2.61 | 60.71 2.20 -2.13 | 52.16 1.85 -1.56 | 41.92 1.69 -0.84 |
| FIBERTEK___ENERGY 23856 | 38.04 0.26 -1.25 | 35.10 -0.07 -0.81 | 32.30 -0.13 -0.36 | 31.46 -0.13 -0.22 | 30.28 -0.18 -0.04 | 31.93 -0.06 -0.28 | 35.33 0.10 -1.04 | 39.70 0.38 -1.60 | 44.17 0.29 -2.21 | 50.92 0.28 -3.28 | 54.85 0.40 -4.12 | 63.50 0.57 -5.47 | 69.12 0.68 -6.34 | 74.92 0.81 -6.76 | 82.89 0.89 -8.01 | 97.44 0.78 -10.35 | 106.89 0.85 -11.04 | 126.28 1.13 -12.47 | 111.02 1.08 -11.48 | 81.64 0.94 -8.05 | 69.60 0.56 -6.41 | 62.12 0.51 -5.23 | 53.05 0.49 -3.82 | 41.76 0.32 -2.06 |
| FITZPATRICK____ 23598 | 28.88 -0.73 6.93 | 29.05 -0.79 4.52 | 29.18 -0.90 1.99 | 29.25 -0.88 1.24 | 29.33 -0.88 0.21 | 29.31 -0.82 1.57 | 27.65 -0.79 5.75 | 28.13 -0.72 8.88 | 28.52 -0.92 12.24 | 28.13 -1.00 18.22 | 26.49 -0.96 22.88 | 26.05 -1.03 30.38 | 25.81 -1.12 35.17 | 28.72 -1.15 37.49 | 28.28 -1.26 44.45 | 27.24 -1.64 57.43 | 32.04 -1.71 61.25 | 41.46 -2.02 69.19 | 33.09 -1.67 63.69 | 26.80 -1.17 44.68 | 25.85 -1.19 35.58 | 26.28 -1.07 29.02 | 26.73 -0.83 21.19 | 27.27 -0.71 11.41 |
| FLOWRFLD_69_KV_BK1 356044 | 79.32 4.02 -38.76 | 52.64 3.33 -14.96 | 46.46 2.85 -11.54 | 41.93 2.67 -7.90 | 41.37 2.65 -8.29 | 42.19 2.70 -7.79 | 44.48 3.25 -7.04 | 47.41 4.11 -5.57 | 65.33 5.00 -18.66 | 88.29 5.73 -35.20 | 71.98 5.94 -15.72 | 157.28 6.55 -93.28 | 330.43 7.70 -260.63 | 352.22 8.29 -276.58 | 332.39 9.40 -249.01 | 288.89 11.48 -191.09 | 293.68 12.06 -186.61 | 284.38 14.20 -157.51 | 297.68 12.31 -186.91 | 309.77 8.14 -228.99 | 337.70 7.33 -267.75 | 264.46 6.26 -201.82 | 70.96 5.56 -16.66 | 65.14 4.65 -21.11 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 39.57 3.03 0.00 | 36.76 2.40 0.00 | 34.18 2.12 0.00 | 33.34 1.98 0.00 | 32.40 1.98 0.00 | 33.67 1.97 0.00 | 36.55 2.36 0.00 | 40.59 2.87 0.00 | 45.09 3.42 0.00 | 51.24 3.88 0.00 | 54.65 4.33 0.00 | 62.45 5.00 0.00 | 67.88 5.78 0.00 | 73.62 6.26 0.00 | 80.94 6.95 0.00 | 95.24 8.80 -0.12 | 104.40 9.40 0.00 | 123.84 11.16 0.00 | 107.91 9.45 0.00 | 78.96 6.32 0.00 | 67.89 5.26 0.00 | 61.06 4.68 0.00 | 52.74 4.00 0.00 | 42.54 3.15 0.00 |
| FORT ORANGE____ 23900 | 38.11 1.57 0.00 | 35.83 1.48 0.00 | 33.31 1.25 0.00 | 32.59 1.22 0.00 | 31.67 1.25 0.00 | 32.88 1.17 0.00 | 35.36 1.16 0.00 | 38.82 1.09 0.00 | 42.84 1.17 0.00 | 48.58 1.23 0.00 | 51.48 1.16 0.00 | 58.49 1.04 0.00 | 63.09 0.99 0.00 | 68.37 1.01 0.00 | 75.32 1.33 0.00 | 88.70 2.16 -0.23 | 97.09 2.09 0.00 | 115.38 2.70 0.00 | 100.82 2.36 0.00 | 74.24 1.60 0.00 | 63.94 1.32 0.00 | 57.79 1.41 0.00 | 49.97 1.22 0.00 | 40.37 0.99 0.00 |
| FORT_DRUM_COGEN 23780 | 38.74 1.21 -1.00 | 35.96 0.96 -0.65 | 33.18 0.83 -0.29 | 32.39 0.85 -0.18 | 31.19 0.73 -0.03 | 32.91 0.98 -0.23 | 36.18 1.16 -0.83 | 40.28 1.28 -1.28 | 44.44 1.00 -1.76 | 51.25 1.28 -2.62 | 54.72 1.11 -3.29 | 62.91 1.09 -4.37 | 68.03 0.87 -5.06 | 73.62 0.88 -5.39 | 81.27 0.89 -6.39 | 95.27 0.69 -8.26 | 104.85 1.04 -8.81 | 124.43 1.80 -9.95 | 109.69 2.07 -9.16 | 81.39 2.32 -6.42 | 69.69 1.94 -5.12 | 62.69 2.14 -4.17 | 53.55 1.75 -3.05 | 42.44 1.42 -1.64 |
| FOX_HILLS___ESR 323835 | 39.76 3.22 -0.01 | 36.87 2.51 -0.01 | 34.22 2.15 -0.01 | 33.38 2.01 -0.01 | 32.40 1.98 0.00 | 33.55 1.84 0.00 | 36.59 2.39 0.00 | 40.98 3.24 -0.01 | 45.60 3.92 -0.01 | 51.52 4.17 0.00 | 54.80 4.48 0.00 | 82.06 5.29 -19.32 | 79.79 6.09 -11.60 | 79.53 6.60 -5.58 | 81.74 7.69 -0.06 | 115.62 9.93 -19.37 | 105.17 10.16 0.00 | 124.40 11.72 0.00 | 115.77 9.75 -7.57 | 79.04 6.03 -0.37 | 85.42 5.45 -17.35 | 150.21 4.79 -89.04 | 75.79 4.44 -22.61 | 50.44 3.82 -7.24 |
| FPL FAR_ROCK_GT1 24212 | 79.25 3.95 -38.76 | 52.81 3.51 -14.96 | 46.39 2.79 -11.54 | 41.90 2.64 -7.90 | 41.34 2.62 -8.29 | 42.13 2.63 -7.79 | 44.45 3.21 -7.04 | 47.22 3.92 -5.57 | 65.04 4.71 -18.66 | 87.27 4.73 -35.19 | 63.42 5.44 -7.66 | 69.76 6.66 -5.64 | 80.51 7.57 -10.84 | 83.03 8.35 -7.32 | 92.70 9.61 -9.10 | 245.49 11.92 -147.26 | 314.80 12.82 -206.98 | 304.84 14.99 -177.17 | 172.50 12.79 -61.24 | 81.28 8.64 0.00 | 81.03 7.26 -11.14 | 75.69 6.09 -13.22 | 64.12 5.80 -9.57 | 62.37 4.68 -18.30 |

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| FPL FAR_ROCK_GT2 23815 | 79.25 3.95 -38.76 | 52.81 3.51 -14.96 | 46.39 2.79 -11.54 | 41.90 2.64 -7.90 | 41.34 2.62 -8.29 | 42.13 2.63 -7.79 | 44.45 3.21 -7.04 | 47.22 3.92 -5.57 | 65.04 4.71 -18.66 | 87.27 4.73 -35.19 | 63.42 5.44 -7.66 | 69.76 6.66 -5.64 | 80.51 7.57 -10.84 | 83.03 8.35 -7.32 | 92.70 9.61 -9.10 | 245.49 11.92 -147.26 | 314.80 12.82 -206.98 | 304.84 14.99 -177.17 | 172.50 12.79 -61.24 | 81.28 8.64 0.00 | 81.03 7.26 -11.14 | 75.69 6.09 -13.22 | 64.12 5.80 -9.57 | 62.37 4.68 -18.30 |
| FRANKLIN_FALL_HYD 24054 | 35.66 -0.88 0.00 | 34.18 -0.17 0.00 | 31.94 -0.13 0.00 | 31.21 -0.16 0.00 | 30.27 -0.15 0.00 | 31.67 -0.03 0.00 | 34.09 -0.10 0.00 | 37.20 -0.53 0.00 | 40.88 -0.79 0.00 | 46.41 -0.95 0.00 | 49.16 -1.16 0.00 | 55.96 -1.49 0.00 | 59.99 -2.11 0.00 | 64.93 -2.42 0.00 | 70.44 -3.55 0.00 | 82.26 -4.06 0.00 | 90.91 -4.09 0.00 | 108.17 -4.51 0.00 | 94.23 -4.23 0.00 | 70.24 -2.40 0.00 | 61.06 -1.57 0.00 | 54.80 -1.58 0.00 | 47.48 -1.27 0.00 | 38.36 -1.02 0.00 |
| FREEPORT_EQUUS_GT1 23764 | 78.92 3.62 -38.76 | 52.47 3.16 -14.96 | 46.17 2.57 -11.54 | 41.68 2.42 -7.90 | 41.12 2.40 -8.29 | 41.91 2.41 -7.79 | 44.18 2.94 -7.04 | 46.99 3.70 -5.57 | 64.71 4.37 -18.66 | 87.18 4.64 -35.19 | 62.97 4.98 -7.66 | 69.18 6.09 -5.64 | 79.95 7.02 -10.84 | 82.36 7.68 -7.32 | 91.96 8.87 -9.10 | 244.72 11.14 -147.26 | 302.49 11.68 -195.80 | 292.79 13.74 -166.37 | 171.42 11.71 -61.24 | 80.49 7.85 0.00 | 80.40 6.64 -11.14 | 75.29 5.69 -13.22 | 63.29 4.97 -9.57 | 61.70 4.02 -18.30 |
| FREEPORT___CT2 23818 | 78.92 3.62 -38.76 | 52.47 3.16 -14.96 | 46.17 2.57 -11.54 | 41.68 2.42 -7.90 | 41.12 2.40 -8.29 | 41.91 2.41 -7.79 | 44.18 2.94 -7.04 | 46.99 3.70 -5.57 | 64.71 4.37 -18.66 | 87.18 4.64 -35.19 | 62.97 4.98 -7.66 | 69.18 6.09 -5.64 | 79.95 7.02 -10.84 | 82.36 7.68 -7.32 | 91.96 8.87 -9.10 | 244.72 11.14 -147.26 | 302.49 11.68 -195.80 | 292.79 13.74 -166.37 | 171.42 11.71 -61.24 | 80.49 7.85 0.00 | 80.40 6.64 -11.14 | 75.29 5.69 -13.22 | 63.29 4.97 -9.57 | 61.70 4.02 -18.30 |
| FRESHKLS_33_KV_LOAD 356253 | 39.72 3.18 -0.01 | 36.87 2.51 -0.01 | 34.22 2.15 -0.01 | 33.38 2.01 -0.01 | 32.40 1.98 0.00 | 33.51 1.81 0.00 | 36.52 2.33 0.00 | 40.89 3.17 0.01 | 43.73 3.83 1.78 | 44.31 4.07 7.12 | 46.37 4.43 8.38 | 46.82 5.29 15.92 | 46.79 6.09 21.40 | 51.27 6.60 22.69 | 59.58 7.69 22.10 | 75.62 10.01 20.71 | 83.70 10.26 21.56 | 102.99 11.83 21.52 | 82.83 9.85 25.48 | 56.76 6.10 21.98 | 46.79 5.51 21.35 | 49.72 4.79 11.45 | 46.54 4.44 6.64 | 43.16 3.78 0.01 |
| FULTON COGEN____ 23766 | 38.76 -0.04 -2.26 | 35.51 -0.31 -1.47 | 32.36 -0.35 -0.65 | 31.43 -0.35 -0.40 | 30.13 -0.37 -0.07 | 31.93 -0.29 -0.51 | 35.90 -0.17 -1.88 | 40.66 0.04 -2.89 | 45.54 -0.13 -3.99 | 53.20 -0.09 -5.94 | 57.83 0.05 -7.46 | 67.47 0.11 -9.90 | 73.75 0.19 -11.46 | 79.78 0.20 -12.22 | 88.77 0.30 -14.49 | 105.12 0.09 -18.72 | 115.15 0.19 -19.96 | 135.57 0.34 -22.55 | 119.61 0.39 -20.76 | 87.64 0.44 -14.56 | 74.41 0.19 -11.60 | 66.01 0.17 -9.46 | 55.90 0.24 -6.91 | 43.22 0.12 -3.72 |
| FULTON___LFGE 323630 | 42.31 5.77 0.00 | 39.50 5.15 0.00 | 36.36 4.30 0.00 | 35.51 4.14 0.00 | 34.35 3.93 0.00 | 36.05 4.34 0.00 | 39.05 4.85 0.00 | 43.35 5.62 0.00 | 47.97 6.29 0.00 | 54.17 6.82 0.00 | 57.52 7.20 0.00 | 66.13 8.68 0.00 | 71.36 9.25 0.00 | 77.26 9.91 0.00 | 84.94 10.95 0.00 | 99.50 13.04 -0.15 | 109.16 14.16 0.00 | 130.48 17.80 0.00 | 114.81 16.35 0.00 | 85.06 12.42 0.00 | 73.21 10.59 0.00 | 66.02 9.64 0.00 | 56.40 7.65 0.00 | 45.21 5.83 0.00 |
| G.F.CEMENT___DRP 24184 | 39.46 2.92 0.00 | 36.79 2.44 0.00 | 34.18 2.12 0.00 | 33.37 2.01 0.00 | 32.40 1.98 0.00 | 33.74 2.03 0.00 | 36.38 2.19 0.00 | 40.33 2.60 0.00 | 44.88 3.21 0.00 | 51.00 3.65 0.00 | 53.69 3.37 0.00 | 61.48 4.02 0.00 | 66.45 4.35 0.00 | 71.47 4.11 0.00 | 78.65 4.66 0.00 | 92.49 5.96 -0.22 | 102.32 7.32 0.00 | 122.15 9.47 0.00 | 107.32 8.86 0.00 | 79.03 6.39 0.00 | 68.08 5.45 0.00 | 61.23 4.85 0.00 | 52.35 3.61 0.00 | 42.18 2.80 0.00 |
| GARDENVILLE___LBMP 24039 | 37.82 1.28 0.00 | 34.39 0.03 0.00 | 32.03 -0.03 0.00 | 31.37 0.00 0.00 | 30.18 -0.24 0.00 | 31.93 0.22 0.00 | 34.98 0.79 0.00 | 39.12 1.40 0.00 | 42.72 1.04 0.00 | 48.58 1.23 0.00 | 52.28 1.96 0.00 | 59.64 2.18 0.00 | 64.83 2.73 0.00 | 70.66 3.30 0.00 | 77.54 3.55 0.00 | 89.17 2.85 0.00 | 98.04 3.04 0.00 | 116.18 3.49 0.00 | 102.40 3.94 0.00 | 76.13 3.49 0.00 | 64.82 2.19 0.00 | 58.63 2.26 0.00 | 51.57 2.83 0.00 | 41.71 2.32 0.00 |
| GARDNVLA_35_KV_LD 355827 | 38.04 1.50 0.00 | 34.56 0.21 0.00 | 32.19 0.13 0.00 | 31.52 0.16 0.00 | 30.33 -0.09 0.00 | 32.09 0.38 0.00 | 35.19 0.99 0.00 | 39.35 1.62 0.00 | 42.97 1.29 0.00 | 48.87 1.52 0.00 | 52.64 2.31 0.00 | 60.04 2.59 0.00 | 65.27 3.17 0.00 | 71.20 3.84 0.00 | 78.14 4.14 0.00 | 89.78 3.45 0.00 | 98.80 3.80 0.00 | 116.97 4.28 0.00 | 103.19 4.73 0.00 | 76.64 4.00 0.00 | 65.26 2.63 0.00 | 58.97 2.59 0.00 | 51.92 3.17 0.00 | 41.98 2.60 0.00 |
| GELCKHM___115KV_LOAD 80723 | 37.38 0.04 -0.81 | 34.61 -0.27 -0.53 | 32.01 -0.29 -0.23 | 31.23 -0.28 -0.14 | 30.12 -0.33 -0.03 | 31.67 -0.22 -0.18 | 34.76 -0.10 -0.67 | 38.88 0.11 -1.04 | 43.15 0.04 -1.43 | 49.53 0.05 -2.13 | 53.20 0.20 -2.68 | 61.30 0.29 -3.56 | 66.59 0.37 -4.12 | 72.22 0.47 -4.39 | 79.71 0.52 -5.20 | 93.39 0.35 -6.72 | 102.65 0.48 -7.17 | 121.34 0.56 -8.10 | 106.51 0.59 -7.46 | 78.38 0.51 -5.23 | 67.04 0.25 -4.17 | 60.00 0.23 -3.40 | 51.47 0.24 -2.48 | 40.84 0.12 -1.34 |
| GENERAL___MILLS 23808 | 37.96 1.42 0.00 | 34.49 0.14 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.27 -0.15 0.00 | 32.02 0.32 0.00 | 35.08 0.89 0.00 | 39.23 1.51 0.00 | 42.84 1.17 0.00 | 48.77 1.42 0.00 | 52.49 2.16 0.00 | 59.87 2.41 0.00 | 65.08 2.98 0.00 | 70.93 3.57 0.00 | 77.84 3.85 0.00 | 89.52 3.19 0.00 | 98.52 3.51 0.00 | 116.63 3.94 0.00 | 102.80 4.33 0.00 | 76.42 3.78 0.00 | 65.07 2.44 0.00 | 58.86 2.48 0.00 | 51.77 3.02 0.00 | 41.87 2.48 0.00 |
| GE_PLASTICS___DRP 24183 | 37.89 1.35 0.00 | 35.45 1.10 0.00 | 33.12 1.06 0.00 | 32.40 1.04 0.00 | 31.46 1.03 0.00 | 32.69 0.98 0.00 | 35.15 0.96 0.00 | 38.93 1.21 0.00 | 43.01 1.33 0.00 | 48.87 1.52 0.00 | 51.73 1.41 0.00 | 58.43 0.98 0.00 | 63.16 1.06 0.00 | 68.50 1.15 0.00 | 75.39 1.41 0.00 | 88.53 1.99 -0.22 | 97.00 2.00 0.00 | 114.82 2.14 0.00 | 100.53 2.07 0.00 | 73.95 1.31 0.00 | 63.82 1.19 0.00 | 58.07 1.69 0.00 | 50.11 1.36 0.00 | 40.53 1.14 0.00 |
| GILBOA___1 23756 | 37.93 1.39 0.00 | 35.69 1.34 0.00 | 33.22 1.15 0.00 | 32.59 1.22 0.00 | 31.64 1.22 0.00 | 32.82 1.11 0.00 | 35.25 1.06 0.00 | 39.08 1.36 0.00 | 43.30 1.62 0.00 | 49.15 1.80 0.00 | 52.18 1.86 0.00 | 59.69 2.24 0.00 | 64.59 2.49 0.00 | 70.06 2.70 0.00 | 77.17 3.18 0.00 | 89.81 3.36 -0.13 | 98.32 3.32 0.00 | 116.62 3.94 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 65.07 2.44 0.00 | 58.46 2.09 0.00 | 50.50 1.75 0.00 | 40.84 1.46 0.00 |
| GILBOA___2 23757 | 37.93 1.39 0.00 | 35.69 1.34 0.00 | 33.22 1.15 0.00 | 32.59 1.22 0.00 | 31.64 1.22 0.00 | 32.82 1.11 0.00 | 35.25 1.06 0.00 | 39.08 1.36 0.00 | 43.30 1.62 0.00 | 49.15 1.80 0.00 | 52.18 1.86 0.00 | 59.69 2.24 0.00 | 64.59 2.49 0.00 | 70.06 2.70 0.00 | 77.17 3.18 0.00 | 89.81 3.36 -0.13 | 98.32 3.32 0.00 | 116.62 3.94 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 65.07 2.44 0.00 | 58.46 2.09 0.00 | 50.50 1.75 0.00 | 40.84 1.46 0.00 |

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|--------------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| GILBOA___3 23758 | 37.93 1.39 0.00 | 35.69 1.34 0.00 | 33.22 1.15 0.00 | 32.59 1.22 0.00 | 31.64 1.22 0.00 | 32.82 1.11 0.00 | 35.25 1.06 0.00 | 39.08 1.36 0.00 | 43.30 1.62 0.00 | 49.15 1.80 0.00 | 52.18 1.86 0.00 | 59.69 2.24 0.00 | 64.59 2.49 0.00 | 70.06 2.70 0.00 | 77.17 3.18 0.00 | 89.81 3.36 -0.13 | 98.32 3.32 0.00 | 116.62 3.94 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 65.07 2.44 0.00 | 58.46 2.09 0.00 | 50.50 1.75 0.00 | 40.84 1.46 0.00 |
| GILBOA___4 23759 | 37.93 1.39 0.00 | 35.69 1.34 0.00 | 33.22 1.15 0.00 | 32.59 1.22 0.00 | 31.64 1.22 0.00 | 32.82 1.11 0.00 | 35.25 1.06 0.00 | 39.08 1.36 0.00 | 43.30 1.62 0.00 | 49.15 1.80 0.00 | 52.18 1.86 0.00 | 59.69 2.24 0.00 | 64.59 2.49 0.00 | 70.06 2.70 0.00 | 77.17 3.18 0.00 | 89.81 3.36 -0.13 | 98.32 3.32 0.00 | 116.62 3.94 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 65.07 2.44 0.00 | 58.46 2.09 0.00 | 50.50 1.75 0.00 | 40.84 1.46 0.00 |
| GILBOA___ 23599 | 37.93 1.39 0.00 | 35.52 1.17 0.00 | 33.22 1.15 0.00 | 32.59 1.22 0.00 | 31.64 1.22 0.00 | 32.82 1.11 0.00 | 35.22 1.03 0.00 | 39.08 1.36 0.00 | 43.26 1.58 0.00 | 49.15 1.80 0.00 | 52.18 1.86 0.00 | 59.58 2.13 0.00 | 64.52 2.42 0.00 | 69.98 2.63 0.00 | 77.10 3.11 0.00 | 89.64 3.19 -0.13 | 98.23 3.23 0.00 | 116.40 3.72 0.00 | 101.71 3.25 0.00 | 75.11 2.47 0.00 | 65.01 2.38 0.00 | 58.52 2.14 0.00 | 50.50 1.75 0.00 | 40.84 1.46 0.00 |
| GINNA___ 23603 | 35.62 -0.91 0.00 | 33.18 -1.17 0.00 | 30.59 -1.47 0.00 | 29.96 -1.41 0.00 | 28.91 -1.52 0.00 | 30.41 -1.30 0.00 | 33.13 -1.06 0.00 | 36.93 -0.79 0.00 | 40.47 -1.21 0.00 | 46.22 -1.14 0.00 | 49.51 -0.81 0.00 | 56.53 -0.92 0.00 | 61.04 -1.06 0.00 | 66.35 -1.01 0.00 | 72.95 -1.04 0.00 | 84.59 -1.73 0.00 | 93.58 -1.42 0.00 | 110.66 -2.02 0.00 | 96.99 -1.47 0.00 | 71.62 -1.02 0.00 | 61.31 -1.32 0.00 | 55.30 -1.07 0.00 | 48.11 -0.64 0.00 | 38.71 -0.67 0.00 |
| GLEN PARK___ 23778 | 39.15 1.57 -1.05 | 36.41 1.38 -0.68 | 33.49 1.12 -0.30 | 32.68 1.13 -0.19 | 31.40 0.94 -0.03 | 33.18 1.24 -0.24 | 36.53 1.47 -0.87 | 40.69 1.62 -1.34 | 44.82 1.29 -1.85 | 51.81 1.70 -2.76 | 55.34 1.56 -3.46 | 63.60 1.55 -4.59 | 68.73 1.31 -5.32 | 74.38 1.35 -5.67 | 82.11 1.40 -6.72 | 96.30 1.30 -8.69 | 106.07 1.80 -9.27 | 125.96 2.82 -10.47 | 111.15 3.06 -9.63 | 82.45 3.05 -6.76 | 70.64 2.63 -5.38 | 63.59 2.82 -4.39 | 54.24 2.29 -3.21 | 43.00 1.89 -1.73 |
| GLENDALE_27_KV_LOAD 356172 | 39.83 3.29 0.00 | 36.93 2.58 0.00 | 34.25 2.18 0.00 | 33.37 2.01 0.00 | 32.43 2.01 0.00 | 33.67 1.97 0.00 | 36.79 2.60 0.00 | 41.24 3.51 -0.01 | 45.85 4.17 -0.01 | 51.71 4.36 0.00 | 55.10 4.78 0.00 | 63.09 5.63 0.00 | 68.50 6.40 0.00 | 74.30 6.94 0.00 | 81.98 7.99 0.00 | 97.87 10.27 -1.28 | 105.54 10.54 0.00 | 124.96 12.28 0.00 | 105.41 10.14 3.20 | 78.94 6.47 0.17 | 61.01 5.76 7.38 | 61.40 5.02 0.00 | 53.38 4.63 0.00 | 43.33 3.94 -0.01 |
| GLENWOOD_IC_1_G5 23712 | 78.52 3.22 -38.76 | 51.89 2.58 -14.96 | 46.10 2.50 -11.54 | 41.62 2.35 -7.90 | 41.06 2.34 -8.29 | 41.84 2.35 -7.79 | 44.11 2.87 -7.04 | 46.95 3.66 -5.57 | 64.29 3.96 -18.66 | 86.99 4.45 -35.19 | 63.02 5.03 -7.66 | 69.13 6.03 -5.64 | 79.96 7.02 -10.84 | 82.36 7.68 -7.32 | 91.89 8.80 -9.10 | 244.54 10.96 -147.26 | 302.49 11.69 -195.80 | 292.57 13.52 -166.37 | 171.13 11.42 -61.24 | 79.98 7.34 0.00 | 80.15 6.39 -11.14 | 75.07 5.47 -13.22 | 62.95 4.63 -9.57 | 61.46 3.78 -18.30 |
| GLENWOOD_IC_2_G1 23688 | 78.63 3.32 -38.76 | 52.26 2.95 -14.96 | 46.01 2.41 -11.54 | 41.52 2.26 -7.90 | 40.97 2.25 -8.29 | 41.75 2.25 -7.79 | 44.04 2.80 -7.04 | 46.80 3.51 -5.57 | 64.46 4.13 -18.66 | 87.09 4.55 -35.19 | 63.07 5.08 -7.66 | 69.25 6.15 -5.64 | 80.01 7.08 -10.84 | 82.42 7.74 -7.32 | 92.03 8.95 -9.10 | 244.72 11.14 -147.26 | 302.58 11.78 -195.80 | 292.79 13.74 -166.37 | 171.32 11.61 -61.24 | 80.42 7.78 0.00 | 80.34 6.57 -11.14 | 75.07 5.47 -13.22 | 63.10 4.78 -9.57 | 61.58 3.90 -18.30 |
| GLENWOOD_IC_3_G1 23689 | 78.63 3.32 -38.76 | 52.26 2.95 -14.96 | 46.01 2.41 -11.54 | 41.52 2.26 -7.90 | 40.97 2.25 -8.29 | 41.75 2.25 -7.79 | 44.04 2.80 -7.04 | 46.80 3.51 -5.57 | 64.46 4.13 -18.66 | 87.09 4.55 -35.19 | 63.07 5.08 -7.66 | 69.25 6.15 -5.64 | 80.01 7.08 -10.84 | 82.42 7.74 -7.32 | 92.03 8.95 -9.10 | 244.72 11.14 -147.26 | 302.58 11.78 -195.80 | 292.79 13.74 -166.37 | 171.32 11.61 -61.24 | 80.42 7.78 0.00 | 80.34 6.57 -11.14 | 75.07 5.47 -13.22 | 63.10 4.78 -9.57 | 61.58 3.90 -18.30 |
| GLENWOOD___4 23550 | 78.63 3.32 -38.76 | 51.95 2.65 -14.96 | 46.10 2.50 -11.54 | 41.62 2.35 -7.90 | 41.06 2.34 -8.29 | 41.84 2.35 -7.79 | 44.11 2.87 -7.04 | 46.95 3.66 -5.57 | 64.42 4.08 -18.66 | 87.08 4.55 -35.19 | 63.17 5.18 -7.66 | 69.30 6.21 -5.64 | 80.08 7.14 -10.84 | 82.56 7.88 -7.32 | 92.11 9.03 -9.10 | 244.80 11.22 -147.26 | 302.68 11.88 -195.80 | 292.91 13.86 -166.37 | 171.42 11.72 -61.24 | 80.20 7.55 0.00 | 80.34 6.58 -11.14 | 75.24 5.64 -13.22 | 63.10 4.78 -9.57 | 61.58 3.90 -18.30 |
| GLENWOOD___5 23614 | 78.63 3.32 -38.76 | 51.95 2.65 -14.96 | 46.10 2.50 -11.54 | 41.62 2.35 -7.90 | 41.06 2.34 -8.29 | 41.84 2.35 -7.79 | 44.11 2.87 -7.04 | 46.95 3.66 -5.57 | 64.42 4.08 -18.66 | 87.08 4.55 -35.19 | 63.17 5.18 -7.66 | 69.30 6.21 -5.64 | 80.08 7.14 -10.84 | 82.56 7.88 -7.32 | 92.11 9.03 -9.10 | 244.80 11.22 -147.26 | 302.68 11.88 -195.80 | 292.91 13.86 -166.37 | 171.42 11.72 -61.24 | 80.20 7.55 0.00 | 80.34 6.58 -11.14 | 75.24 5.64 -13.22 | 63.10 4.78 -9.57 | 61.58 3.90 -18.30 |
| GLOBAL GREEN_PORT_GT1 23814 | 80.09 4.79 -38.76 | 53.67 4.36 -14.96 | 47.03 3.43 -11.54 | 42.47 3.20 -7.90 | 41.88 3.16 -8.29 | 42.80 3.30 -7.79 | 45.23 4.00 -7.04 | 48.42 5.13 -5.57 | 66.96 6.63 -18.66 | 90.32 7.77 -35.20 | 72.62 8.60 -13.69 | 141.05 10.28 -73.31 | 271.46 11.67 -197.69 | 286.46 10.37 -208.74 | 274.38 11.83 -188.56 | 280.78 14.41 -180.05 | 296.96 15.39 -186.57 | 288.62 18.48 -157.46 | 270.45 16.74 -155.25 | 255.12 11.18 -171.30 | 275.55 9.83 -203.09 | 220.49 9.81 -154.30 | 72.80 8.39 -15.66 | 66.48 6.70 -20.40 |
| GLOBE___DSASP 323697 | 36.24 -0.29 0.00 | 32.94 -1.41 0.00 | 30.69 -1.38 0.00 | 30.30 -1.07 0.00 | 29.15 -1.28 0.00 | 30.57 -1.14 0.00 | 33.48 -0.72 0.00 | 37.27 -0.45 0.00 | 40.68 -1.00 0.00 | 46.26 -1.09 0.00 | 49.77 -0.55 0.00 | 56.54 -0.92 0.00 | 61.48 -0.62 0.00 | 66.89 -0.47 0.00 | 73.47 -0.52 0.00 | 84.33 -1.99 0.00 | 92.91 -2.09 0.00 | 109.98 -2.70 0.00 | 96.98 -1.48 0.00 | 72.06 -0.58 0.00 | 61.44 -1.19 0.00 | 55.76 -0.62 0.00 | 49.19 0.44 0.00 | 39.90 0.51 0.00 |
| GOETHSLN___LBMP 323567 | 39.28 2.74 0.00 | 36.45 2.10 0.00 | 33.80 1.73 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.29 1.59 0.00 | 36.35 2.15 0.00 | 40.67 2.94 0.00 | 43.32 3.42 1.78 | 43.84 3.60 7.11 | 45.97 4.03 8.38 | 46.31 4.77 15.92 | 46.36 5.65 21.39 | 50.74 6.06 22.68 | 59.00 7.10 22.09 | 74.68 9.06 20.70 | 82.85 9.40 21.55 | 102.10 10.93 21.51 | 81.95 8.96 25.47 | 56.41 5.74 21.97 | 46.29 5.01 21.34 | 49.17 4.23 11.44 | 45.92 3.80 6.63 | 42.65 3.27 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 37.71 1.17 0.00 | 34.66 0.31 0.00 | 32.23 0.16 0.00 | 31.49 0.13 0.00 | 30.40 -0.03 0.00 | 32.06 0.35 0.00 | 34.91 0.72 0.00 | 38.89 1.17 0.00 | 42.51 0.83 0.00 | 48.25 0.90 0.00 | 51.73 1.41 0.00 | 58.72 1.26 0.00 | 63.59 1.49 0.00 | 69.18 1.82 0.00 | 75.99 2.00 0.00 | 87.78 1.47 0.00 | 96.90 1.90 0.00 | 114.93 2.25 0.00 | 101.02 2.56 0.00 | 74.89 2.25 0.00 | 63.94 1.32 0.00 | 57.73 1.35 0.00 | 50.40 1.66 0.00 | 40.76 1.38 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|---------------------------|-------------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|
| GOODYEAR_LAKE_HYD 323669 | 38.84 2.30 0.00 | 36.21 1.86 0.00 | 33.73 1.67 0.00 | 33.03 1.66 0.00 | 31.98 1.55 0.00 | 33.42 1.71 0.00 | 36.18 1.98 0.00 | 40.25 2.53 0.00 | 44.43 2.75 0.00 | 50.53 3.17 0.00 | 53.79 3.47 0.00 | 61.59 4.14 0.00 | 66.45 4.35 0.00 | 72.14 4.78 0.00 | 79.31 5.33 0.00 | 92.10 5.78 0.00 | 101.27 6.27 0.00 | 120.00 7.32 0.00 | 105.25 6.79 0.00 | 77.73 5.08 0.00 | 67.07 4.45 0.00 | 60.44 4.06 0.00 | 52.16 3.41 0.00 | 42.06 2.68 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 38.20 1.21 -0.46 | 35.24 0.58 -0.30 | 32.74 0.55 -0.13 | 31.98 0.53 -0.08 | 30.90 0.46 -0.01 | 32.45 0.63 -0.10 | 35.50 0.92 -0.38 | 39.71 1.40 -0.59 | 43.87 1.38 -0.82 | 50.18 1.61 -1.21 | 53.81 1.96 -1.52 | 61.78 2.30 -2.02 | 67.05 2.61 -2.34 | 72.82 2.96 -2.50 | 80.28 3.33 -2.96 | 93.53 3.45 -3.76 | 102.98 3.89 -4.08 | 121.91 4.62 -4.61 | 107.14 4.43 -4.25 | 79.18 3.56 -2.98 | 67.75 2.76 -2.37 | 60.74 2.42 -1.93 | 52.40 2.24 -1.41 | 41.84 1.69 -0.76 |
| GOUDEY___7 23579 | 38.24 1.24 -0.46 | 35.27 0.62 -0.30 | 32.78 0.58 -0.13 | 32.01 0.56 -0.08 | 30.93 0.49 -0.01 | 32.48 0.67 -0.10 | 35.53 0.96 -0.38 | 39.75 1.43 -0.59 | 43.91 1.42 -0.82 | 50.22 1.66 -1.21 | 53.91 2.06 -1.52 | 61.89 2.41 -2.02 | 67.18 2.73 -2.34 | 72.96 3.10 -2.50 | 80.43 3.48 -2.96 | 93.70 3.63 -3.76 | 103.07 3.99 -4.08 | 122.14 4.85 -4.61 | 107.33 4.63 -4.25 | 79.25 3.63 -2.98 | 67.82 2.82 -2.37 | 60.85 2.54 -1.93 | 52.50 2.34 -1.41 | 41.88 1.73 -0.76 |
| GOUDEY___8 23580 | 38.20 1.21 -0.46 | 35.24 0.58 -0.30 | 32.74 0.55 -0.13 | 31.98 0.53 -0.08 | 30.90 0.46 -0.01 | 32.45 0.63 -0.10 | 35.50 0.92 -0.38 | 39.71 1.40 -0.59 | 43.87 1.38 -0.82 | 50.18 1.61 -1.21 | 53.81 1.96 -1.52 | 61.78 2.30 -2.02 | 67.05 2.61 -2.34 | 72.82 2.96 -2.50 | 80.28 3.33 -2.96 | 93.53 3.45 -3.76 | 102.98 3.89 -4.08 | 121.91 4.62 -4.61 | 107.14 4.43 -4.25 | 79.18 3.56 -2.98 | 67.75 2.76 -2.37 | 60.74 2.42 -1.93 | 52.40 2.24 -1.41 | 41.84 1.69 -0.76 |
| GOWANUS_GT1_1 24077 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT1_2 24078 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT1_3 24079 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT1_4 24080 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT1_5 24084 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT1_6 24111 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT1_7 24112 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT1_8 24113 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT2_1 24114 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT2_2 24115 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT2_3 24116 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |

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|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------------------------|------------------------|------------------------|---------------------------|-------------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|
| GOWANUS_GT2_4 24117 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT2_5 24118 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT2_6 24119 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT2_7 24120 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT2_8 24121 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT3_1 24122 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT3_2 24123 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT3_3 | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|---------------------------|----------------------------|----------------------------|---------------------------|------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| GOWANUS_GT4_3 24132 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.57 6.80 -5.41 | 81.96 7.92 -0.06 | 115.26 10.10 -18.85 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT4_4 24133 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.57 6.80 -5.41 | 81.96 7.92 -0.06 | 115.26 10.10 -18.85 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT4_5 24134 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.57 6.80 -5.41 | 81.96 7.92 -0.06 | 115.26 10.10 -18.85 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT4_6 24135 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.57 6.80 -5.41 | 81.96 7.92 -0.06 | 115.26 10.10 -18.85 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT4_7 24136 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.57 6.80 -5.41 | 81.96 7.92 -0.06 | 115.26 10.10 -18.85 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GOWANUS_GT4_8 24137 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.57 6.80 -5.41 | 81.96 7.92 -0.06 | 115.26 10.10 -18.85 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GREENBSH_115KV_TB3 55895 | 37.82 1.28 0.00 | 35.42 1.06 0.00 | 33.09 1.03 0.00 | 32.37 1.00 0.00 | 31.46 1.03 0.00 | 32.66 0.95 0.00 | 35.12 0.92 0.00 | 38.86 1.13 0.00 | 42.93 1.25 0.00 | 48.73 1.37 0.00 | 51.58 1.26 0.00 | 58.66 1.21 0.00 | 63.28 1.18 0.00 | 68.57 1.21 0.00 | 75.54 1.55 0.00 | 88.80 2.24 -0.23 | 97.28 2.28 0.00 | 115.38 2.70 0.00 | 100.82 2.36 0.00 | 74.17 1.53 0.00 | 63.94 1.32 0.00 | 57.84 1.47 0.00 | 49.92 1.17 0.00 | 40.37 0.98 0.00 |
| GREENDGE_115KV_TB5 80291 | 38.34 1.42 -0.38 | 35.22 0.62 -0.25 | 32.69 0.51 -0.11 | 31.94 0.50 -0.07 | 30.77 0.33 -0.01 | 32.52 0.73 -0.09 | 35.74 1.23 -0.32 | 40.06 1.85 -0.49 | 43.72 1.38 -0.67 | 49.96 1.61 -1.00 | 53.64 2.06 -1.25 | 61.53 2.41 -1.66 | 66.70 2.67 -1.93 | 72.51 3.10 -2.05 | 79.75 3.33 -2.44 | 91.97 2.50 -3.15 | 99.88 1.52 -3.36 | 118.50 2.03 -3.79 | 104.41 2.46 -3.49 | 79.16 4.07 -2.45 | 67.46 2.88 -1.95 | 60.56 2.59 -1.59 | 52.44 2.53 -1.16 | 41.82 1.81 -0.63 |
| GREENIDGE___3 23582 | 38.34 1.42 -0.38 | 35.22 0.62 -0.25 | 32.69 0.51 -0.11 | 31.94 0.50 -0.07 | 30.77 0.33 -0.01 | 32.52 0.73 -0.09 | 35.74 1.23 -0.32 | 40.06 1.85 -0.49 | 43.72 1.38 -0.67 | 49.96 1.61 -1.00 | 53.64 2.06 -1.25 | 61.53 2.41 -1.66 | 66.70 2.67 -1.93 | 72.51 3.10 -2.05 | 79.75 3.33 -2.44 | 91.97 2.50 -3.15 | 99.88 1.52 -3.36 | 118.50 2.03 -3.79 | 104.41 2.46 -3.49 | 79.16 4.07 -2.45 | 67.46 2.88 -1.95 | 60.56 2.59 -1.59 | 52.44 2.53 -1.16 | 41.82 1.81 -0.63 |
| GREENIDGE___4 23583 | 38.34 1.42 -0.38 | 35.60 1.00 -0.25 | 32.69 0.51 -0.11 | 31.94 0.50 -0.07 | 30.77 0.34 -0.01 | 32.52 0.73 -0.09 | 35.77 1.27 -0.32 | 40.06 1.85 -0.49 | 43.64 1.29 -0.67 | 49.96 1.61 -1.00 | 53.69 2.11 -1.25 | 61.71 2.59 -1.66 | 66.76 2.73 -1.93 | 72.51 3.10 -2.05 | 79.83 3.41 -2.44 | 92.05 2.59 -3.15 | 101.77 3.42 -3.36 | 118.61 2.14 -3.79 | 104.61 2.66 -3.49 | 79.16 4.07 -2.45 | 67.46 2.88 -1.95 | 60.62 2.65 -1.59 | 52.44 2.53 -1.16 | 41.78 1.77 -0.63 |
| GREENLWN_69_KV_BK 3 55738 | 78.37 3.07 -38.76 | 51.71 2.40 -14.96 | 45.69 2.08 -11.54 | 41.21 1.94 -7.90 | 40.67 1.95 -8.29 | 41.43 1.93 -7.79 | 43.66 2.43 -7.04 | 46.46 3.17 -5.57 | 64.17 3.83 -18.66 | 86.84 4.31 -35.18 | 61.54 4.88 -6.34 | 54.32 5.40 8.53 | 38.60 6.64 30.15 | 37.51 7.01 36.86 | 51.63 7.92 30.27 | 236.31 9.93 -140.07 | 292.20 10.54 -186.66 | 282.49 12.28 -157.53 | 149.42 10.34 -40.62 | 41.68 6.61 37.57 | 37.86 6.20 30.97 | 44.01 5.36 17.72 | 61.67 4.44 -8.49 | 61.04 3.82 -17.83 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 10.10 -19.90 | 105.36 10.35 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| GRISSOM___SOLAR 323813 | 42.31 5.77 0.00 | 39.50 5.15 0.00 | 36.36 4.30 0.00 | 35.51 4.14 0.00 | 34.35 3.93 0.00 | 36.05 4.34 0.00 | 39.05 4.85 0.00 | 43.35 5.62 0.00 | 47.97 6.29 0.00 | 54.17 6.82 0.00 | 57.52 7.20 0.00 | 66.13 8.68 0.00 | 71.36 9.25 0.00 | 77.26 9.91 0.00 | 84.94 10.95 0.00 | 99.50 13.04 -0.15 | 109.16 14.16 0.00 | 130.48 17.80 0.00 | 114.81 16.35 0.00 | 85.06 12.42 0.00 | 73.21 10.59 0.00 | 66.02 9.64 0.00 | 56.40 7.65 0.00 | 45.21 5.83 0.00 |
| GROVEVILLE___HYD 323602 | 39.57 3.03 0.00 | 36.76 2.40 0.00 | 34.18 2.12 0.00 | 33.34 1.98 0.00 | 32.40 1.98 0.00 | 33.67 1.97 0.00 | 36.55 2.36 0.00 | 40.59 2.87 0.00 | 45.09 3.42 0.00 | 51.24 3.88 0.00 | 54.65 4.33 0.00 | 62.45 5.00 0.00 | 67.88 5.78 0.00 | 73.62 6.26 0.00 | 80.94 6.95 0.00 | 95.24 8.80 -0.12 | 104.40 9.40 0.00 | 123.84 11.16 0.00 | 107.91 9.45 0.00 | 78.96 6.32 0.00 | 67.89 5.26 0.00 | 61.06 4.68 0.00 | 52.74 4.00 0.00 | 42.54 3.15 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 38.04 0.26 -1.25 | 35.10 -0.07 -0.81 | 32.30 -0.13 -0.36 | 31.46 -0.13 -0.22 | 30.28 -0.18 -0.04 | 31.93 -0.06 -0.28 | 35.33 0.10 -1.04 | 39.70 0.38 -1.60 | 44.17 0.29 -2.21 | 50.92 0.28 -3.28 | 54.85 0.40 -4.12 | 63.50 0.57 -5.47 | 69.12 0.68 -6.34 | 74.92 0.81 -6.76 | 82.89 0.89 -8.01 | 97.44 0.78 -10.35 | 106.89 0.85 -11.04 | 126.28 1.13 -12.47 | 111.02 1.08 -11.48 | 81.64 0.94 -8.05 | 69.60 0.56 -6.41 | 62.12 0.51 -5.23 | 53.05 0.49 -3.82 | 41.76 0.32 -2.06 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|----------------------------|----------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| HAMLTNNY_34_KV_TB 80303 | 38.29 0.47 -1.28 | 35.29 0.10 -0.83 | 32.46 0.03 -0.37 | 31.63 0.03 -0.23 | 30.44 -0.03 -0.04 | 32.12 0.13 -0.29 | 35.60 0.34 -1.06 | 40.04 0.68 -1.64 | 44.56 0.63 -2.26 | 51.48 0.76 -3.36 | 55.50 0.96 -4.22 | 64.27 1.21 -5.61 | 69.96 1.37 -6.49 | 75.83 1.55 -6.92 | 83.90 1.70 -8.21 | 98.56 1.64 -10.60 | 108.21 1.90 -11.31 | 127.71 2.25 -12.78 | 112.39 2.17 -11.76 | 82.71 1.82 -8.25 | 70.45 1.25 -6.57 | 62.86 1.13 -5.36 | 53.68 1.02 -3.91 | 42.20 0.71 -2.11 |
| HAMPSHIRE___PAPER_HYD 323593 | 36.77 -0.18 -0.41 | 34.55 -0.07 -0.27 | 32.22 0.03 -0.12 | 31.47 0.03 -0.07 | 30.44 0.00 -0.01 | 31.93 0.13 -0.09 | 34.67 0.14 -0.34 | 38.10 -0.15 -0.53 | 41.78 -0.62 -0.73 | 47.78 -0.66 -1.09 | 50.73 -0.96 -1.37 | 57.83 -1.43 -1.81 | 62.40 -1.80 -2.10 | 67.58 -2.02 -2.24 | 74.05 -2.59 -2.65 | 86.55 -3.19 -3.43 | 95.52 -3.13 -3.66 | 113.43 -3.38 -4.13 | 99.51 -2.76 -3.80 | 73.64 -1.67 -2.67 | 63.63 -1.13 -2.12 | 57.49 -0.62 -1.73 | 49.48 -0.54 -1.27 | 39.79 -0.27 -0.68 |
| HARDSCRABBLE_WT_PWR 323673 | 37.49 0.95 0.00 | 35.18 0.82 0.00 | 32.71 0.64 0.00 | 32.03 0.66 0.00 | 31.03 0.61 0.00 | 32.40 0.70 0.00 | 34.98 0.79 0.00 | 38.67 0.94 0.00 | 42.72 1.04 0.00 | 48.58 1.23 0.00 | 51.58 1.26 0.00 | 59.01 1.55 0.00 | 63.59 1.49 0.00 | 68.91 1.55 0.00 | 75.69 1.70 0.00 | 88.04 1.73 0.00 | 97.09 2.09 0.00 | 115.27 2.59 0.00 | 100.82 2.36 0.00 | 74.46 1.82 0.00 | 64.13 1.50 0.00 | 57.79 1.41 0.00 | 49.92 1.17 0.00 | 40.37 0.99 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 39.13 2.59 0.00 | 36.31 1.96 0.00 | 33.80 1.73 0.00 | 32.97 1.60 0.00 | 32.04 1.61 0.00 | 33.32 1.62 0.00 | 36.18 1.98 0.00 | 40.18 2.45 0.00 | 44.68 3.00 0.00 | 50.76 3.41 0.00 | 54.15 3.82 0.00 | 61.94 4.48 0.00 | 67.25 5.15 0.00 | 72.95 5.59 0.00 | 80.28 6.29 0.00 | 92.69 7.94 1.57 | 103.46 8.46 0.00 | 122.71 10.03 0.00 | 106.93 8.47 0.00 | 78.31 5.67 0.00 | 67.39 4.76 0.00 | 60.49 4.12 0.00 | 52.26 3.51 0.00 | 42.18 2.80 0.00 |
| HARSNRAD_115KV_TB1 81005 | 36.94 0.40 0.00 | 33.60 -0.76 0.00 | 31.26 -0.80 0.00 | 30.55 -0.82 0.00 | 29.36 -1.06 0.00 | 31.17 -0.54 0.00 | 34.06 -0.14 0.00 | 37.99 0.26 0.00 | 41.43 -0.25 0.00 | 47.16 -0.19 0.00 | 50.72 0.40 0.00 | 57.68 0.23 0.00 | 62.72 0.62 0.00 | 68.30 0.94 0.00 | 74.87 0.89 0.00 | 86.06 -0.26 0.00 | 94.71 -0.29 0.00 | 112.23 -0.45 0.00 | 98.95 0.49 0.00 | 73.51 0.87 0.00 | 62.69 0.06 0.00 | 56.83 0.45 0.00 | 50.11 1.36 0.00 | 40.72 1.34 0.00 |
| HARZA MOOSE___RIVER 24016 | 38.28 1.39 -0.35 | 35.72 1.13 -0.23 | 33.19 1.03 -0.10 | 32.43 1.00 -0.06 | 31.32 0.88 -0.01 | 32.86 1.08 -0.08 | 35.72 1.23 -0.29 | 39.50 1.32 -0.45 | 43.59 1.29 -0.62 | 49.84 1.56 -0.92 | 52.99 1.51 -1.16 | 60.72 1.72 -1.54 | 65.50 1.61 -1.78 | 71.08 1.82 -1.90 | 78.16 1.92 -2.25 | 91.04 1.81 -2.91 | 100.48 2.37 -3.11 | 119.34 3.16 -3.51 | 104.74 3.05 -3.23 | 77.45 2.54 -2.26 | 66.56 2.13 -1.80 | 59.99 2.14 -1.47 | 51.62 1.80 -1.07 | 41.54 1.58 -0.58 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 37.36 0.15 -0.68 | 34.59 -0.21 -0.44 | 32.04 -0.22 -0.19 | 31.27 -0.22 -0.12 | 30.17 -0.27 -0.02 | 31.70 -0.16 -0.15 | 34.76 0.00 -0.56 | 38.78 0.19 -0.87 | 43.04 0.17 -1.20 | 49.37 0.24 -1.78 | 52.96 0.40 -2.24 | 60.94 0.52 -2.97 | 66.16 0.62 -3.44 | 71.76 0.74 -3.66 | 79.22 0.89 -4.34 | 92.62 0.69 -5.61 | 101.84 0.85 -5.99 | 120.46 1.01 -6.76 | 105.67 0.98 -6.22 | 77.88 0.87 -4.37 | 66.54 0.44 -3.48 | 59.66 0.45 -2.84 | 51.26 0.44 -2.07 | 40.78 0.28 -1.12 |
| HELLGATE_13_KV_LD 55870 | 39.61 3.07 0.00 | 36.76 2.40 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.29 1.86 0.00 | 33.55 1.84 0.00 | 36.62 2.43 0.00 | 41.01 3.28 -0.01 | 45.56 3.88 -0.01 | 51.33 3.98 0.00 | 54.70 4.38 0.00 | 62.51 5.06 0.00 | 67.88 5.78 0.00 | 73.63 6.26 0.00 | 81.24 7.25 0.00 | 97.01 9.41 -1.29 | 104.60 9.59 0.00 | 123.73 11.04 0.00 | 105.18 9.16 2.44 | 78.27 5.74 0.11 | 62.57 5.14 5.20 | 60.83 4.45 0.00 | 52.94 4.19 0.00 | 43.09 3.70 -0.01 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 39.61 3.07 0.00 | 36.76 2.40 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.29 1.86 0.00 | 33.55 1.84 0.00 | 36.62 2.43 0.00 | 41.01 3.28 -0.01 | 45.56 3.88 -0.01 | 51.33 3.98 0.00 | 54.70 4.38 0.00 | 62.51 5.06 0.00 | 67.88 5.78 0.00 | 73.63 6.26 0.00 | 81.24 7.25 0.00 | 97.01 9.41 -1.29 | 104.60 9.59 0.00 | 123.73 11.04 0.00 | 105.18 9.16 2.44 | 78.27 5.74 0.11 | 62.57 5.14 5.20 | 60.83 4.45 0.00 | 52.94 4.19 0.00 | 43.09 3.70 -0.01 |
| HEMPSTEAD____ 23647 | 78.52 3.22 -38.76 | 52.16 2.85 -14.96 | 45.91 2.31 -11.54 | 41.43 2.16 -7.90 | 40.88 2.16 -8.29 | 41.68 2.19 -7.79 | 43.93 2.70 -7.04 | 46.73 3.43 -5.57 | 64.33 4.00 -18.66 | 86.94 4.40 -35.19 | 62.87 4.88 -7.66 | 69.01 5.92 -5.64 | 79.77 6.83 -10.84 | 82.22 7.54 -7.32 | 91.74 8.65 -9.10 | 244.36 10.79 -147.26 | 302.20 11.39 -195.80 | 292.34 13.29 -166.37 | 170.93 11.22 -61.24 | 80.20 7.55 0.00 | 80.09 6.32 -11.14 | 74.90 5.30 -13.22 | 62.90 4.58 -9.57 | 61.43 3.74 -18.30 |
| HEWLETT_69_KV_BK3 55828 | 79.03 3.73 -38.76 | 52.33 3.02 -14.96 | 46.23 2.63 -11.54 | 41.74 2.48 -7.90 | 41.15 2.43 -8.29 | 41.94 2.44 -7.79 | 44.21 2.97 -7.04 | 47.03 3.73 -5.57 | 64.75 4.42 -18.66 | 87.18 4.64 -35.19 | 63.32 5.33 -7.66 | 69.41 6.32 -5.64 | 80.14 7.20 -10.84 | 82.63 7.95 -7.32 | 92.18 9.10 -9.10 | 244.88 11.31 -147.26 | 314.14 12.16 -206.98 | 304.04 14.20 -177.17 | 171.82 12.11 -61.24 | 80.63 7.99 0.00 | 80.65 6.89 -11.14 | 75.52 5.92 -13.22 | 63.73 5.41 -9.57 | 62.05 4.37 -18.30 |
| HICKLING___1 23621 | 38.63 1.72 -0.38 | 35.39 0.79 -0.25 | 32.88 0.71 -0.11 | 32.13 0.69 -0.07 | 30.99 0.55 -0.01 | 32.71 0.92 -0.09 | 35.95 1.44 -0.32 | 40.36 2.15 -0.49 | 44.39 2.04 -0.67 | 50.77 2.41 -1.00 | 54.55 2.97 -1.25 | 62.63 3.50 -1.67 | 68.00 3.97 -1.93 | 74.00 4.58 -2.06 | 81.38 4.96 -2.44 | 94.42 5.01 -3.10 | 103.97 5.61 -3.36 | 123.24 6.76 -3.80 | 108.55 6.60 -3.49 | 80.69 5.59 -2.45 | 68.71 4.13 -1.95 | 61.69 3.72 -1.59 | 53.47 3.56 -1.16 | 42.65 2.64 -0.63 |
| HICKLING___2 23622 | 38.63 1.72 -0.38 | 35.39 0.79 -0.25 | 32.88 0.71 -0.11 | 32.13 0.69 -0.07 | 30.99 0.55 -0.01 | 32.71 0.92 -0.09 | 35.95 1.44 -0.32 | 40.36 2.15 -0.49 | 44.39 2.04 -0.67 | 50.77 2.41 -1.00 | 54.55 2.97 -1.25 | 62.63 3.50 -1.67 | 68.00 3.97 -1.93 | 74.00 4.58 -2.06 | 81.38 4.96 -2.44 | 94.42 5.01 -3.10 | 103.97 5.61 -3.36 | 123.24 6.76 -3.80 | 108.55 6.60 -3.49 | 80.69 5.59 -2.45 | 68.71 4.13 -1.95 | 61.69 3.72 -1.59 | 53.47 3.56 -1.16 | 42.65 2.64 -0.63 |
| HIGH FALLS___HY 23754 | 39.28 2.74 0.00 | 36.41 2.06 0.00 | 33.86 1.80 0.00 | 33.03 1.66 0.00 | 32.07 1.64 0.00 | 33.32 1.62 0.00 | 36.25 2.05 0.00 | 40.25 2.53 0.00 | 44.76 3.08 0.00 | 50.81 3.46 0.00 | 54.25 3.93 0.00 | 62.17 4.71 0.00 | 67.57 5.46 0.00 | 73.29 5.93 0.00 | 80.57 6.58 0.00 | 94.61 8.37 0.08 | 103.83 8.83 0.00 | 123.38 10.70 0.00 | 107.52 9.06 0.00 | 78.60 5.96 0.00 | 67.58 4.95 0.00 | 60.66 4.28 0.00 | 52.55 3.80 0.00 | 42.38 2.99 0.00 |
| HIGH_RIVER___SOLAR 323847 | 38.66 2.12 0.00 | 36.10 1.75 0.00 | 33.64 1.57 0.00 | 32.87 1.51 0.00 | 31.89 1.46 0.00 | 33.23 1.52 0.00 | 35.87 1.68 0.00 | 39.76 2.04 0.00 | 44.01 2.33 0.00 | 49.96 2.60 0.00 | 52.94 2.62 0.00 | 60.50 3.05 0.00 | 65.45 3.35 0.00 | 70.93 3.57 0.00 | 78.06 4.07 0.00 | 91.43 4.92 -0.20 | 100.32 5.32 0.00 | 119.22 6.54 0.00 | 104.37 5.91 0.00 | 76.93 4.29 0.00 | 66.39 3.76 0.00 | 59.76 3.38 0.00 | 51.43 2.68 0.00 | 41.51 2.13 0.00 |

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|------------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| HILLBURN___GT 23639 | 38.99 2.45 0.00 | 36.45 2.10 0.00 | 33.67 1.60 0.00 | 32.87 1.51 0.00 | 31.95 1.52 0.00 | 33.20 1.49 0.00 | 36.11 1.91 0.00 | 40.14 2.42 0.00 | 44.63 2.96 0.00 | 50.62 3.26 0.00 | 53.99 3.67 0.00 | 61.94 4.48 0.00 | 67.32 5.22 0.00 | 73.02 5.66 0.00 | 80.57 6.58 0.00 | 92.68 8.20 1.84 | 103.73 8.73 0.00 | 122.93 10.25 0.00 | 107.13 8.67 0.00 | 78.45 5.81 0.00 | 67.45 4.82 0.00 | 60.32 3.95 0.00 | 52.16 3.41 0.00 | 42.14 2.76 0.00 |
| HILLSIDE_115KV_TB1 80332 | 37.99 1.06 -0.39 | 34.81 0.21 -0.26 | 32.37 0.19 -0.11 | 31.63 0.19 -0.07 | 30.50 0.06 -0.01 | 32.18 0.38 -0.09 | 35.34 0.82 -0.33 | 39.59 1.36 -0.50 | 43.62 1.25 -0.69 | 49.90 1.52 -1.03 | 53.63 2.01 -1.30 | 61.53 2.36 -1.72 | 66.83 2.73 -2.00 | 72.65 3.17 -2.13 | 80.06 3.55 -2.52 | 92.97 3.45 -3.20 | 102.28 3.80 -3.48 | 121.23 4.62 -3.93 | 106.80 4.73 -3.61 | 79.24 4.07 -2.54 | 67.59 2.94 -2.02 | 60.62 2.59 -1.65 | 52.48 2.53 -1.20 | 41.88 1.85 -0.65 |
| HISHELDN_WT_PWR 323625 | 37.74 1.20 0.00 | 34.94 0.58 0.00 | 32.00 -0.06 0.00 | 31.43 0.06 0.00 | 30.21 -0.21 0.00 | 31.96 0.25 0.00 | 34.98 0.79 0.00 | 39.08 1.36 0.00 | 42.59 0.92 0.00 | 48.54 1.18 0.00 | 52.28 1.96 0.00 | 59.64 2.18 0.00 | 64.59 2.49 0.00 | 70.39 3.03 0.00 | 77.24 3.25 0.00 | 89.00 2.68 0.00 | 98.23 3.23 0.00 | 115.95 3.27 0.00 | 102.50 4.04 0.00 | 75.91 3.27 0.00 | 64.76 2.13 0.00 | 58.57 2.20 0.00 | 51.43 2.68 0.00 | 41.59 2.20 0.00 |
| HOLTSVILLE_IC_1 23690 | 79.07 3.76 -38.76 | 52.71 3.40 -14.96 | 46.26 2.66 -11.54 | 41.77 2.51 -7.90 | 41.24 2.52 -8.29 | 42.04 2.54 -7.79 | 44.38 3.14 -7.04 | 47.22 3.92 -5.57 | 65.08 4.75 -18.66 | 87.94 5.40 -35.20 | 69.32 5.44 -13.57 | 135.77 6.32 -71.99 | 263.29 7.32 -193.86 | 279.84 7.88 -204.61 | 267.89 9.02 -184.88 | 276.74 11.05 -179.37 | 292.95 11.39 -186.56 | 283.52 13.40 -157.44 | 263.49 11.71 -153.32 | 248.56 8.13 -167.78 | 268.80 7.01 -199.16 | 213.65 5.86 -151.41 | 69.47 5.16 -15.56 | 63.99 4.25 -20.35 |
| HOLTSVILLE_IC_10 23699 | 79.32 4.02 -38.76 | 52.91 3.61 -14.96 | 46.45 2.85 -11.54 | 41.96 2.70 -7.90 | 41.40 2.68 -8.29 | 42.22 2.73 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.42 5.08 -18.66 | 88.33 5.77 -35.20 | 70.29 5.94 -14.03 | 141.32 6.89 -76.98 | 278.27 7.95 -208.22 | 295.93 8.49 -220.09 | 282.35 9.69 -198.67 | 279.86 11.65 -181.89 | 293.81 12.16 -186.65 | 284.53 14.31 -157.53 | 271.41 12.41 -160.54 | 262.37 8.79 -180.95 | 284.11 7.57 -213.91 | 225.00 6.37 -162.25 | 70.30 5.60 -15.95 | 64.51 4.61 -20.52 |
| HOLTSVILLE_IC_2 23691 | 79.07 3.76 -38.76 | 52.71 3.40 -14.96 | 46.26 2.66 -11.54 | 41.77 2.51 -7.90 | 41.24 2.52 -8.29 | 42.04 2.54 -7.79 | 44.38 3.14 -7.04 | 47.22 3.92 -5.57 | 65.08 4.75 -18.66 | 87.94 5.40 -35.20 | 69.32 5.44 -13.57 | 135.77 6.32 -71.99 | 263.29 7.32 -193.86 | 279.84 7.88 -204.61 | 267.89 9.02 -184.88 | 276.74 11.05 -179.37 | 292.95 11.39 -186.56 | 283.52 13.40 -157.44 | 263.49 11.71 -153.32 | 248.56 8.13 -167.78 | 268.80 7.01 -199.16 | 213.65 5.86 -151.41 | 69.47 5.16 -15.56 | 63.99 4.25 -20.35 |
| HOLTSVILLE_IC_3 23692 | 79.07 3.76 -38.76 | 52.71 3.40 -14.96 | 46.26 2.66 -11.54 | 41.77 2.51 -7.90 | 41.24 2.52 -8.29 | 42.04 2.54 -7.79 | 44.38 3.14 -7.04 | 47.22 3.92 -5.57 | 65.08 4.75 -18.66 | 87.94 5.40 -35.20 | 69.32 5.44 -13.57 | 135.77 6.32 -71.99 | 263.29 7.32 -193.86 | 279.84 7.88 -204.61 | 267.89 9.02 -184.88 | 276.74 11.05 -179.37 | 292.95 11.39 -186.56 | 283.52 13.40 -157.44 | 263.49 11.71 -153.32 | 248.56 8.13 -167.78 | 268.80 7.01 -199.16 | 213.65 5.86 -151.41 | 69.47 5.16 -15.56 | 63.99 4.25 -20.35 |
| HOLTSVILLE_IC_4 23693 | 79.07 3.76 -38.76 | 52.71 3.40 -14.96 | 46.26 2.66 -11.54 | 41.77 2.51 -7.90 | 41.24 2.52 -8.29 | 42.04 2.54 -7.79 | 44.38 3.14 -7.04 | 47.22 3.92 -5.57 | 65.08 4.75 -18.66 | 87.94 5.40 -35.20 | 69.32 5.44 -13.57 | 135.77 6.32 -71.99 | 263.29 7.32 -193.86 | 279.84 7.88 -204.61 | 267.89 9.02 -184.88 | 276.74 11.05 -179.37 | 292.95 11.39 -186.56 | 283.52 13.40 -157.44 | 263.49 11.71 -153.32 | 248.56 8.13 -167.78 | 268.80 7.01 -199.16 | 213.65 5.86 -151.41 | 69.47 5.16 -15.56 | 63.99 4.25 -20.35 |
| HOLTSVILLE_IC_5 23694 | 79.07 3.76 -38.76 | 52.71 3.40 -14.96 | 46.26 2.66 -11.54 | 41.77 2.51 -7.90 | 41.24 2.52 -8.29 | 42.04 2.54 -7.79 | 44.38 3.14 -7.04 | 47.22 3.92 -5.57 | 65.08 4.75 -18.66 | 87.94 5.40 -35.20 | 69.32 5.44 -13.57 | 135.77 6.32 -71.99 | 263.29 7.32 -193.86 | 279.84 7.88 -204.61 | 267.89 9.02 -184.88 | 276.74 11.05 -179.37 | 292.95 11.39 -186.56 | 283.52 13.40 -157.44 | 263.49 11.71 -153.32 | 248.56 8.13 -167.78 | 268.80 7.01 -199.16 | 213.65 5.86 -151.41 | 69.47 5.16 -15.56 | 63.99 4.25 -20.35 |
| HOLTSVILLE_IC_6 23695 | 79.32 4.02 -38.76 | 52.91 3.61 -14.96 | 46.45 2.85 -11.54 | 41.96 2.70 -7.90 | 41.40 2.68 -8.29 | 42.22 2.73 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.42 5.08 -18.66 | 88.33 5.77 -35.20 | 70.29 5.94 -14.03 | 141.32 6.89 -76.98 | 278.27 7.95 -208.22 | 295.93 8.49 -220.09 | 282.35 9.69 -198.67 | 279.86 11.65 -181.89 | 293.81 12.16 -186.65 | 284.53 14.31 -157.53 | 271.41 12.41 -160.54 | 262.37 8.79 -180.95 | 284.11 7.57 -213.91 | 225.00 6.37 -162.25 | 70.30 5.60 -15.95 | 64.51 4.61 -20.52 |
| HOLTSVILLE_IC_7 23696 | 79.32 4.02 -38.76 | 52.91 3.61 -14.96 | 46.45 2.85 -11.54 | 41.96 2.70 -7.90 | 41.40 2.68 -8.29 | 42.22 2.73 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.42 5.08 -18.66 | 88.33 5.77 -35.20 | 70.29 5.94 -14.03 | 141.32 6.89 -76.98 | 278.27 7.95 -208.22 | 295.93 8.49 -220.09 | 282.35 9.69 -198.67 | 279.86 11.65 -181.89 | 293.81 12.16 -186.65 | 284.53 14.31 -157.53 | 271.41 12.41 -160.54 | 262.37 8.79 -180.95 | 284.11 7.57 -213.91 | 225.00 6.37 -162.25 | 70.30 5.60 -15.95 | 64.51 4.61 -20.52 |
| HOLTSVILLE_IC_8 23697 | 79.32 4.02 -38.76 | 52.91 3.61 -14.96 | 46.45 2.85 -11.54 | 41.96 2.70 -7.90 | 41.40 2.68 -8.29 | 42.22 2.73 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.42 5.08 -18.66 | 88.33 5.77 -35.20 | 70.29 5.94 -14.03 | 141.32 6.89 -76.98 | 278.27 7.95 -208.22 | 295.93 8.49 -220.09 | 282.35 9.69 -198.67 | 279.86 11.65 -181.89 | 293.81 12.16 -186.65 | 284.53 14.31 -157.53 | 271.41 12.41 -160.54 | 262.37 8.79 -180.95 | 284.11 7.57 -213.91 | 225.00 6.37 -162.25 | 70.30 5.60 -15.95 | 64.51 4.61 -20.52 |
| HOLTSVILLE_IC_9 23698 | 79.32 4.02 -38.76 | 52.91 3.61 -14.96 | 46.45 2.85 -11.54 | 41.96 2.70 -7.90 | 41.40 2.68 -8.29 | 42.22 2.73 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.42 5.08 -18.66 | 88.33 5.77 -35.20 | 70.29 5.94 -14.03 | 141.32 6.89 -76.98 | 278.27 7.95 -208.22 | 295.93 8.49 -220.09 | 282.35 9.69 -198.67 | 279.86 11.65 -181.89 | 293.81 12.16 -186.65 | 284.53 14.31 -157.53 | 271.41 12.41 -160.54 | 262.37 8.79 -180.95 | 284.11 7.57 -213.91 | 225.00 6.37 -162.25 | 70.30 5.60 -15.95 | 64.51 4.61 -20.52 |
| HOMER_HL_115KV_TB2 355744 | 38.29 1.75 0.00 | 34.76 0.41 0.00 | 32.45 0.38 0.00 | 31.78 0.41 0.00 | 30.64 0.21 0.00 | 32.40 0.70 0.00 | 35.60 1.40 0.00 | 39.91 2.19 0.00 | 43.63 1.96 0.00 | 49.20 1.85 0.00 | 52.94 2.62 0.00 | 60.44 2.99 0.00 | 65.70 3.60 0.00 | 71.61 4.24 0.00 | 78.51 4.51 0.00 | 90.55 4.23 0.00 | 99.66 4.65 0.00 | 118.21 5.52 0.00 | 104.37 5.91 0.00 | 77.88 5.23 0.00 | 66.32 3.70 0.00 | 59.65 3.27 0.00 | 52.16 3.41 0.00 | 42.38 2.99 0.00 |
| HOWARD_WT_PWR 323690 | 38.90 2.08 -0.28 | 36.01 1.48 -0.18 | 32.98 0.83 -0.08 | 32.29 0.88 -0.05 | 31.10 0.67 -0.01 | 32.97 1.20 -0.06 | 36.30 1.88 -0.23 | 40.72 2.64 -0.36 | 44.42 2.25 -0.49 | 50.74 2.65 -0.73 | 54.71 3.47 -0.92 | 62.75 4.08 -1.22 | 67.80 4.28 -1.41 | 73.78 4.91 -1.51 | 81.11 5.33 -1.79 | 93.72 5.09 -2.31 | 103.55 6.09 -2.46 | 122.22 6.76 -2.78 | 108.20 7.18 -2.56 | 80.40 5.96 -1.80 | 68.44 4.38 -1.43 | 61.77 4.23 -1.17 | 53.84 4.24 -0.85 | 43.15 3.31 -0.46 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| HQ_GEN_CEDARS 23644 | 34.97 -1.57 0.00 | 33.49 -0.86 0.00 | 31.30 -0.77 0.00 | 30.61 -0.75 0.00 | 29.70 -0.73 0.00 | 31.01 -0.70 0.00 | 33.27 -0.92 0.00 | 36.25 -1.47 0.00 | 39.84 -1.83 0.00 | 45.22 -2.13 0.00 | 47.91 -2.42 0.00 | 54.58 -2.87 0.00 | 58.75 -3.35 0.00 | 63.59 -3.77 0.00 | 69.33 -4.66 0.00 | 80.97 -5.35 0.00 | 89.39 -5.61 0.00 | 106.14 -6.54 0.00 | 92.55 -5.91 0.00 | 68.72 -3.92 0.00 | 59.56 -3.07 0.00 | 53.62 -2.76 0.00 | 46.36 -2.39 0.00 | 37.53 -1.85 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 34.97 -1.57 0.00 | 33.18 -1.17 0.00 | 31.30 -0.77 0.00 | 30.61 -0.75 0.00 | 29.70 -0.73 0.00 | 30.98 -0.73 0.00 | 33.24 -0.96 0.00 | 36.25 -1.47 0.00 | 39.84 -1.83 0.00 | 45.22 -2.13 0.00 | 47.91 -2.41 0.00 | 54.35 -3.10 0.00 | 58.62 -3.48 0.00 | 63.45 -3.91 0.00 | 69.10 -4.89 0.00 | 80.62 -5.70 0.00 | 89.02 -5.98 0.00 | 105.80 -6.88 0.00 | 92.26 -6.20 0.00 | 71.60 -4.43 -3.40 | 64.33 -3.19 -4.89 | 52.60 -2.65 1.13 | 42.79 -2.39 3.56 | 33.94 -1.85 3.59 |
| HQ_GEN_IMPORT 323601 | 33.52 -1.06 1.96 | 33.51 -0.86 -0.01 | 31.55 -0.51 0.00 | 30.86 -0.50 0.00 | 29.94 -0.49 0.00 | 31.23 -0.47 0.00 | 33.51 -0.68 0.00 | 33.52 -1.02 3.19 | 33.52 -1.17 6.99 | 33.52 -1.33 12.51 | 33.52 -1.51 15.29 | 33.52 -1.84 22.09 | 33.52 -2.05 26.53 | 33.52 -2.29 31.55 | 33.52 -2.74 37.73 | 33.52 -3.19 49.61 | 33.52 -3.42 58.06 | 33.52 -3.95 75.21 | 33.52 -3.54 61.40 | 33.52 -2.54 36.58 | 33.52 -2.01 27.10 | 33.52 -1.69 21.17 | 33.52 -1.51 13.72 | 33.52 -1.18 4.68 |
| HQ_GEN_WHEEL 23651 | 33.52 -1.06 1.96 | 33.51 -0.86 -0.01 | 31.55 -0.51 0.00 | 30.86 -0.50 0.00 | 29.94 -0.49 0.00 | 31.23 -0.47 0.00 | 33.51 -0.68 0.00 | 33.52 -1.02 3.19 | 33.52 -1.17 6.99 | 33.52 -1.33 12.51 | 33.52 -1.51 15.29 | 33.52 -1.84 22.09 | 33.52 -2.05 26.53 | 33.52 -2.29 31.55 | 33.52 -2.74 37.73 | 33.52 -3.19 49.61 | 33.52 -3.42 58.06 | 33.52 -3.95 75.21 | 33.52 -3.54 61.40 | 33.52 -2.54 36.58 | 33.52 -2.01 27.10 | 33.52 -1.69 21.17 | 33.52 -1.51 13.72 | 33.52 -1.18 4.68 |
| HUDSON AVE_GT_3 23810 | 39.53 3.00 0.00 | 36.69 2.34 0.00 | 34.02 1.96 0.00 | 33.19 1.82 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.47 3.79 0.00 | 51.43 4.07 0.00 | 54.85 4.53 0.00 | 62.80 5.34 0.00 | 68.37 6.27 0.00 | 74.16 6.80 0.00 | 81.83 7.84 0.00 | 97.53 9.93 -1.28 | 105.45 10.45 0.00 | 124.74 12.06 0.00 | 108.50 10.04 0.00 | 79.11 6.47 0.00 | 68.26 5.64 0.00 | 61.17 4.79 0.00 | 53.04 4.29 0.00 | 42.97 3.58 0.00 |
| HUDSON AVE_GT_4 23540 | 39.53 3.00 0.00 | 36.69 2.34 0.00 | 34.02 1.96 0.00 | 33.19 1.82 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.47 3.79 0.00 | 51.43 4.07 0.00 | 54.85 4.53 0.00 | 62.80 5.34 0.00 | 68.37 6.27 0.00 | 74.16 6.80 0.00 | 81.83 7.84 0.00 | 97.53 9.93 -1.28 | 105.45 10.45 0.00 | 124.74 12.06 0.00 | 108.50 10.04 0.00 | 79.11 6.47 0.00 | 68.26 5.64 0.00 | 61.17 4.79 0.00 | 53.04 4.29 0.00 | 42.97 3.58 0.00 |
| HUDSON AVE_GT_5 23657 | 39.53 3.00 0.00 | 36.69 2.34 0.00 | 34.02 1.96 0.00 | 33.19 1.82 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.47 3.79 0.00 | 51.43 4.07 0.00 | 54.85 4.53 0.00 | 62.80 5.34 0.00 | 68.37 6.27 0.00 | 74.16 6.80 0.00 | 81.83 7.84 0.00 | 97.53 9.93 -1.28 | 105.45 10.45 0.00 | 124.74 12.06 0.00 | 108.50 10.04 0.00 | 79.11 6.47 0.00 | 68.26 5.64 0.00 | 61.17 4.79 0.00 | 53.04 4.29 0.00 | 42.97 3.58 0.00 |
| HUDSON_AVE_10 24168 | 39.50 2.96 0.00 | 36.65 2.30 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.55 2.36 0.00 | 40.86 3.13 0.00 | 45.43 3.75 0.00 | 51.38 4.02 0.00 | 54.80 4.48 0.00 | 62.74 5.29 0.00 | 68.31 6.21 0.00 | 74.03 6.67 0.00 | 81.76 7.77 0.00 | 97.44 9.84 -1.28 | 110.89 10.26 -5.63 | 130.07 11.94 -5.44 | 108.40 9.94 0.00 | 79.11 6.47 0.00 | 68.26 5.64 0.00 | 61.17 4.79 0.00 | 52.99 4.24 0.00 | 42.93 3.54 0.00 |
| HUDSON___115KV_TB 4 355613 | 38.84 2.30 0.00 | 36.31 1.96 0.00 | 33.89 1.83 0.00 | 33.12 1.76 0.00 | 32.19 1.76 0.00 | 33.42 1.71 0.00 | 35.90 1.71 0.00 | 39.46 1.74 0.00 | 43.47 1.79 0.00 | 49.29 1.94 0.00 | 52.13 1.81 0.00 | 59.06 1.61 0.00 | 63.78 1.68 0.00 | 69.04 1.68 0.00 | 75.99 2.00 0.00 | 89.79 3.28 -0.20 | 98.13 3.13 0.00 | 116.74 4.06 0.00 | 102.30 3.84 0.00 | 75.40 2.76 0.00 | 64.94 2.32 0.00 | 59.03 2.65 0.00 | 50.94 2.19 0.00 | 41.12 1.73 0.00 |
| HUNTER MOUNT___DRP 323613 | 39.13 2.59 0.00 | 36.55 2.20 0.00 | 34.15 2.08 0.00 | 33.37 2.01 0.00 | 32.40 1.98 0.00 | 33.64 1.93 0.00 | 36.11 1.91 0.00 | 39.57 1.85 0.00 | 43.55 1.88 0.00 | 49.44 2.08 0.00 | 52.13 1.81 0.00 | 58.83 1.38 0.00 | 63.47 1.37 0.00 | 68.64 1.28 0.00 | 75.39 1.41 0.00 | 89.67 3.19 -0.16 | 97.56 2.56 0.00 | 116.29 3.61 0.00 | 102.00 3.54 0.00 | 75.26 2.62 0.00 | 64.82 2.19 0.00 | 59.20 2.82 0.00 | 51.14 2.39 0.00 | 41.24 1.85 0.00 |
| HUNTINGTON_RES_REC 323705 | 78.81 3.51 -38.76 | 52.43 3.13 -14.96 | 46.04 2.44 -11.54 | 41.55 2.29 -7.90 | 41.00 2.28 -8.29 | 41.78 2.28 -7.79 | 44.07 2.84 -7.04 | 46.88 3.59 -5.57 | 64.75 4.42 -18.66 | 87.55 4.97 -35.22 | 78.34 5.39 -22.63 | 223.94 6.15 -160.33 | 543.90 7.39 -474.42 | 582.26 7.88 -507.02 | 537.35 9.02 -454.34 | 325.98 11.05 -228.61 | 293.27 11.68 -186.59 | 283.81 13.63 -157.51 | 404.64 11.71 -294.47 | 505.68 8.06 -424.98 | 556.95 6.95 -487.37 | 425.42 5.81 -363.24 | 73.52 5.02 -19.75 | 67.16 4.25 -23.52 |
| HUNTLEY___63 23557 | 37.49 0.95 0.00 | 34.08 -0.27 0.00 | 31.71 -0.35 0.00 | 31.12 -0.25 0.00 | 29.94 -0.49 0.00 | 31.61 -0.10 0.00 | 34.60 0.41 0.00 | 38.67 0.94 0.00 | 42.18 0.50 0.00 | 48.02 0.66 0.00 | 51.53 1.21 0.00 | 58.66 1.21 0.00 | 63.65 1.55 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.35 1.04 0.00 | 96.24 1.24 0.00 | 113.92 1.24 0.00 | 100.53 2.07 0.00 | 74.60 1.96 0.00 | 63.63 1.00 0.00 | 57.67 1.30 0.00 | 50.84 2.10 0.00 | 41.31 1.93 0.00 |
| HUNTLEY___64 23558 | 37.49 0.95 0.00 | 34.08 -0.27 0.00 | 31.71 -0.35 0.00 | 31.12 -0.25 0.00 | 29.94 -0.49 0.00 | 31.61 -0.10 0.00 | 34.60 0.41 0.00 | 38.67 0.94 0.00 | 42.18 0.50 0.00 | 48.02 0.66 0.00 | 51.53 1.21 0.00 | 58.66 1.21 0.00 | 63.65 1.55 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.35 1.04 0.00 | 96.24 1.24 0.00 | 113.92 1.24 0.00 | 100.53 2.07 0.00 | 74.60 1.96 0.00 | 63.63 1.00 0.00 | 57.67 1.30 0.00 | 50.84 2.10 0.00 | 41.31 1.93 0.00 |
| HUNTLEY___65 23559 | 37.49 0.95 0.00 | 34.08 -0.27 0.00 | 31.71 -0.35 0.00 | 31.12 -0.25 0.00 | 29.94 -0.49 0.00 | 31.61 -0.10 0.00 | 34.60 0.41 0.00 | 38.67 0.94 0.00 | 42.18 0.50 0.00 | 48.02 0.66 0.00 | 51.53 1.21 0.00 | 58.66 1.21 0.00 | 63.65 1.55 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.35 1.04 0.00 | 96.24 1.24 0.00 | 113.92 1.24 0.00 | 100.53 2.07 0.00 | 74.60 1.96 0.00 | 63.63 1.00 0.00 | 57.67 1.30 0.00 | 50.84 2.10 0.00 | 41.31 1.93 0.00 |
| HUNTLEY___66 23560 | 37.49 0.95 0.00 | 34.08 -0.27 0.00 | 31.71 -0.35 0.00 | 31.12 -0.25 0.00 | 29.94 -0.49 0.00 | 31.61 -0.10 0.00 | 34.60 0.41 0.00 | 38.67 0.94 0.00 | 42.18 0.50 0.00 | 48.02 0.66 0.00 | 51.53 1.21 0.00 | 58.66 1.21 0.00 | 63.65 1.55 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.35 1.04 0.00 | 96.24 1.24 0.00 | 113.92 1.24 0.00 | 100.53 2.07 0.00 | 74.60 1.96 0.00 | 63.63 1.00 0.00 | 57.67 1.30 0.00 | 50.84 2.10 0.00 | 41.31 1.93 0.00 |

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| HUNTLEY___67 23561 | 37.34 0.80 0.00 | 33.94 -0.41 0.00 | 31.62 -0.45 0.00 | 30.99 -0.38 0.00 | 29.79 -0.64 0.00 | 31.52 -0.19 0.00 | 34.50 0.31 0.00 | 38.52 0.79 0.00 | 42.01 0.33 0.00 | 47.83 0.47 0.00 | 51.43 1.11 0.00 | 58.60 1.15 0.00 | 63.72 1.61 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.53 1.21 0.00 | 96.33 1.33 0.00 | 114.15 1.46 0.00 | 100.63 2.17 0.00 | 74.75 2.11 0.00 | 63.69 1.06 0.00 | 57.67 1.30 0.00 | 50.79 2.05 0.00 | 41.12 1.73 0.00 |
| HUNTLEY___68 23562 | 37.34 0.80 0.00 | 33.94 -0.41 0.00 | 31.62 -0.45 0.00 | 30.99 -0.38 0.00 | 29.79 -0.64 0.00 | 31.52 -0.19 0.00 | 34.50 0.31 0.00 | 38.52 0.79 0.00 | 42.01 0.33 0.00 | 47.83 0.47 0.00 | 51.43 1.11 0.00 | 58.60 1.15 0.00 | 63.72 1.61 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.53 1.21 0.00 | 96.33 1.33 0.00 | 114.15 1.46 0.00 | 100.63 2.17 0.00 | 74.75 2.11 0.00 | 63.69 1.06 0.00 | 57.67 1.30 0.00 | 50.79 2.05 0.00 | 41.12 1.73 0.00 |
| HYLAND___LFGE 323620 | 39.42 2.89 0.00 | 36.62 2.27 0.00 | 33.60 1.54 0.00 | 32.90 1.54 0.00 | 31.73 1.31 0.00 | 33.54 1.84 0.00 | 36.59 2.39 0.00 | 40.21 2.49 0.00 | 41.80 0.13 0.00 | 47.21 -0.14 0.00 | 50.47 0.15 0.00 | 57.34 -0.11 0.00 | 57.38 -4.72 0.00 | 62.30 -5.05 0.00 | 68.88 -5.10 0.00 | 79.58 -6.73 0.00 | 88.54 -6.46 0.00 | 106.14 -6.54 0.00 | 95.51 -2.95 0.00 | 72.28 -0.36 0.00 | 62.06 -0.56 0.00 | 60.10 3.72 0.00 | 52.30 3.56 0.00 | 43.25 3.86 0.00 |
| INDECK___CORINTH 23802 | 38.95 2.41 0.00 | 36.48 2.13 0.00 | 33.70 1.63 0.00 | 32.94 1.57 0.00 | 31.98 1.55 0.00 | 33.29 1.58 0.00 | 35.90 1.71 0.00 | 39.80 2.07 0.00 | 44.30 2.63 0.00 | 50.34 2.99 0.00 | 52.89 2.57 0.00 | 60.67 3.22 0.00 | 65.51 3.41 0.00 | 70.39 3.03 0.00 | 77.47 3.48 0.00 | 91.11 4.57 -0.22 | 100.89 5.89 0.00 | 120.56 7.88 0.00 | 105.94 7.48 0.00 | 78.16 5.52 0.00 | 67.20 4.57 0.00 | 60.32 3.95 0.00 | 51.62 2.88 0.00 | 41.63 2.24 0.00 |
| INDECK___ILION 23567 | 37.27 0.73 0.00 | 34.94 0.58 0.00 | 32.58 0.51 0.00 | 31.87 0.50 0.00 | 30.88 0.46 0.00 | 32.21 0.51 0.00 | 34.77 0.58 0.00 | 38.44 0.72 0.00 | 42.47 0.79 0.00 | 48.30 0.95 0.00 | 51.28 0.96 0.00 | 58.60 1.15 0.00 | 63.28 1.18 0.00 | 68.57 1.21 0.00 | 75.39 1.41 0.00 | 87.78 1.47 0.00 | 96.80 1.80 0.00 | 114.82 2.14 0.00 | 100.43 1.97 0.00 | 74.02 1.38 0.00 | 63.82 1.19 0.00 | 57.51 1.13 0.00 | 49.72 0.97 0.00 | 40.17 0.79 0.00 |
| INDECK___OLEAN 23982 | 38.29 1.75 0.00 | 35.45 1.10 0.00 | 32.45 0.39 0.00 | 31.84 0.47 0.00 | 30.64 0.21 0.00 | 32.40 0.70 0.00 | 35.63 1.44 0.00 | 39.91 2.19 0.00 | 43.55 1.88 0.00 | 49.20 1.84 0.00 | 53.04 2.72 0.00 | 60.67 3.22 0.00 | 65.76 3.66 0.00 | 71.68 4.31 0.00 | 78.66 4.66 0.00 | 90.81 4.49 0.00 | 100.13 5.13 0.00 | 118.43 5.74 0.00 | 104.77 6.31 0.00 | 77.88 5.23 0.00 | 66.32 3.69 0.00 | 59.59 3.21 0.00 | 52.16 3.41 0.00 | 42.34 2.96 0.00 |
| INDECK___OSWEGO 23783 | 39.19 -0.33 -2.99 | 35.85 -0.45 -1.95 | 32.35 -0.58 -0.86 | 31.34 -0.56 -0.53 | 29.91 -0.61 -0.09 | 31.84 -0.54 -0.68 | 36.23 -0.45 -2.48 | 41.25 -0.30 -3.83 | 46.16 -0.79 -5.28 | 54.36 -0.85 -7.86 | 59.38 -0.81 -9.86 | 69.69 -0.86 -13.09 | 76.27 -1.00 -15.16 | 82.51 -1.01 -16.16 | 92.04 -1.11 -19.16 | 109.61 -1.47 -24.76 | 119.88 -1.52 -26.40 | 140.70 -1.81 -29.83 | 124.54 -1.38 -27.46 | 90.95 -0.95 -19.26 | 76.96 -1.00 -15.34 | 68.05 -0.84 -12.51 | 57.25 -0.64 -9.13 | 44.07 -0.23 -4.92 |
| INDECK___YERKES 23781 | 37.56 1.02 0.00 | 34.66 0.31 0.00 | 31.81 -0.26 0.00 | 31.15 -0.22 0.00 | 29.97 -0.46 0.00 | 31.67 -0.03 0.00 | 34.64 0.44 0.00 | 38.70 0.98 0.00 | 42.18 0.50 0.00 | 48.06 0.71 0.00 | 51.63 1.31 0.00 | 58.89 1.44 0.00 | 63.65 1.55 0.00 | 69.45 2.09 0.00 | 76.13 2.15 0.00 | 87.44 1.12 0.00 | 96.61 1.61 0.00 | 114.04 1.36 0.00 | 100.73 2.27 0.00 | 74.38 1.74 0.00 | 63.63 1.00 0.00 | 57.68 1.30 0.00 | 50.84 2.09 0.00 | 41.35 1.97 0.00 |
| INDIAN POINT_GT_1 24139 | 39.06 2.52 0.00 | 36.31 1.96 0.00 | 33.77 1.70 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.26 1.55 0.00 | 36.18 1.98 0.00 | 40.29 2.57 0.00 | 44.76 3.08 0.00 | 50.76 3.41 0.00 | 54.15 3.82 0.00 | 61.99 4.54 0.00 | 67.44 5.34 0.00 | 73.29 5.93 0.00 | 80.79 6.81 0.00 | 96.34 8.55 -1.48 | 104.12 9.12 0.00 | 123.38 10.70 0.00 | 107.42 8.96 0.00 | 78.53 5.88 0.00 | 67.70 5.07 0.00 | 60.61 4.23 0.00 | 52.31 3.56 0.00 | 42.30 2.91 0.00 |
| INDIAN POINT_GT_2 23659 | 39.06 2.52 0.00 | 36.31 1.96 0.00 | 33.77 1.70 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.26 1.55 0.00 | 36.18 1.98 0.00 | 40.29 2.57 0.00 | 44.76 3.08 0.00 | 50.76 3.41 0.00 | 54.15 3.82 0.00 | 61.99 4.54 0.00 | 67.44 5.34 0.00 | 73.29 5.93 0.00 | 80.79 6.81 0.00 | 96.34 8.55 -1.48 | 104.12 9.12 0.00 | 123.38 10.70 0.00 | 107.42 8.96 0.00 | 78.53 5.88 0.00 | 67.70 5.07 0.00 | 60.61 4.23 0.00 | 52.31 3.56 0.00 | 42.30 2.91 0.00 |
| INDIAN POINT_GT_3 24019 | 39.06 2.52 0.00 | 36.31 1.96 0.00 | 33.77 1.70 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.26 1.55 0.00 | 36.18 1.98 0.00 | 40.29 2.57 0.00 | 44.76 3.08 0.00 | 50.76 3.41 0.00 | 54.15 3.82 0.00 | 61.99 4.54 0.00 | 67.44 5.34 0.00 | 73.29 5.93 0.00 | 80.79 6.81 0.00 | 96.34 8.55 -1.48 | 104.12 9.12 0.00 | 123.38 10.70 0.00 | 107.42 8.96 0.00 | 78.53 5.88 0.00 | 67.70 5.07 0.00 | 60.61 4.23 0.00 | 52.31 3.56 0.00 | 42.30 2.91 0.00 |
| INDIAN POINT___2 23530 | 38.99 2.45 0.00 | 36.48 2.13 0.00 | 33.67 1.60 0.00 | 32.87 1.51 0.00 | 31.95 1.52 0.00 | 33.20 1.49 0.00 | 36.11 1.91 0.00 | 40.18 2.45 0.00 | 44.68 3.00 0.00 | 50.67 3.31 0.00 | 53.99 3.67 0.00 | 61.88 4.42 0.00 | 67.32 5.22 0.00 | 73.02 5.66 0.00 | 80.65 6.66 0.00 | 95.70 8.29 -1.10 | 103.73 8.73 0.00 | 122.93 10.25 0.00 | 107.13 8.67 0.00 | 78.38 5.74 0.00 | 67.45 4.82 0.00 | 60.32 3.95 0.00 | 52.16 3.41 0.00 | 42.18 2.80 0.00 |
| INDIAN POINT___3 23531 | 38.98 2.45 0.00 | 36.21 1.86 0.00 | 33.70 1.64 0.00 | 32.87 1.51 0.00 | 31.98 1.55 0.00 | 33.20 1.49 0.00 | 36.07 1.88 0.00 | 40.18 2.45 0.00 | 44.63 2.96 0.00 | 50.62 3.27 0.00 | 54.00 3.67 0.00 | 61.76 4.31 0.00 | 67.13 5.03 0.00 | 72.88 5.52 0.00 | 80.35 6.36 0.00 | 96.32 8.03 -1.97 | 103.55 8.55 0.00 | 122.60 9.92 0.00 | 106.83 8.37 0.00 | 78.09 5.45 0.00 | 67.32 4.70 0.00 | 60.32 3.95 0.00 | 52.16 3.41 0.00 | 42.14 2.76 0.00 |
| INGHAM_C_115KV_TB7 356103 | 37.49 0.95 0.00 | 35.11 0.76 0.00 | 32.74 0.67 0.00 | 32.03 0.66 0.00 | 31.06 0.64 0.00 | 32.40 0.70 0.00 | 34.98 0.79 0.00 | 38.67 0.94 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.58 1.26 0.00 | 58.89 1.44 0.00 | 63.53 1.43 0.00 | 68.84 1.48 0.00 | 75.62 1.63 0.00 | 88.04 1.73 0.00 | 97.09 2.09 0.00 | 115.16 2.48 0.00 | 100.82 2.36 0.00 | 74.38 1.74 0.00 | 64.13 1.50 0.00 | 57.84 1.47 0.00 | 49.97 1.22 0.00 | 40.41 1.02 0.00 |
| IP CORINTH___1 23988 | 39.17 2.63 0.00 | 36.52 2.16 0.00 | 33.89 1.83 0.00 | 33.09 1.73 0.00 | 32.16 1.73 0.00 | 33.48 1.78 0.00 | 36.11 1.91 0.00 | 40.03 2.30 0.00 | 44.55 2.88 0.00 | 50.62 3.27 0.00 | 53.24 2.92 0.00 | 60.96 3.50 0.00 | 65.89 3.79 0.00 | 70.73 3.37 0.00 | 77.84 3.85 0.00 | 91.45 4.92 -0.22 | 101.37 6.37 0.00 | 121.13 8.45 0.00 | 106.44 7.98 0.00 | 78.45 5.81 0.00 | 67.51 4.88 0.00 | 60.72 4.34 0.00 | 51.96 3.22 0.00 | 41.87 2.48 0.00 |

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|------------------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| IP___TICONDEROGA 23804 | 41.76 5.22 0.00 | 38.82 4.47 0.00 | 35.95 3.88 0.00 | 35.07 3.70 0.00 | 34.05 3.62 0.00 | 35.54 3.84 0.00 | 38.33 4.14 0.00 | 42.52 4.79 0.00 | 47.47 5.79 0.00 | 53.89 6.53 0.00 | 56.76 6.44 0.00 | 65.10 7.64 0.00 | 70.30 8.20 0.00 | 75.37 8.02 0.00 | 82.94 8.95 0.00 | 97.50 10.96 -0.22 | 107.92 12.92 0.00 | 129.58 16.90 0.00 | 113.92 15.46 0.00 | 84.05 11.40 0.00 | 72.33 9.71 0.00 | 65.06 8.68 0.00 | 55.38 6.63 0.00 | 44.50 5.12 0.00 |
| ISLIP_RES_REC 323679 | 79.57 4.27 -38.76 | 53.16 3.85 -14.96 | 46.65 3.05 -11.54 | 42.15 2.88 -7.90 | 41.58 2.86 -8.29 | 42.41 2.92 -7.79 | 44.79 3.56 -7.04 | 47.71 4.41 -5.57 | 65.75 5.42 -18.66 | 88.70 6.15 -35.20 | 70.18 6.39 -13.46 | 136.76 7.47 -71.84 | 261.32 8.63 -190.59 | 277.67 9.23 -201.08 | 266.31 10.58 -181.74 | 277.81 12.69 -178.80 | 295.02 13.30 -186.72 | 285.94 15.66 -157.61 | 263.73 13.59 -151.67 | 246.94 9.51 -164.79 | 266.56 8.14 -195.80 | 212.25 6.93 -148.94 | 70.58 5.99 -15.84 | 64.67 4.96 -20.32 |
| JAMAICA__27_KV_LOAD 355505 | 39.86 3.32 0.00 | 37.07 2.71 0.00 | 34.31 2.24 0.00 | 33.44 2.07 0.00 | 32.49 2.07 0.00 | 33.77 2.06 0.00 | 36.93 2.74 0.00 | 41.27 3.55 0.00 | 45.97 4.29 0.00 | 51.95 4.59 0.00 | 55.50 5.18 0.00 | 63.56 6.09 -0.02 | 69.13 7.02 -0.02 | 74.99 7.61 -0.02 | 82.81 8.80 -0.02 | 98.67 11.05 -1.30 | 113.52 11.78 -6.74 | 132.82 13.63 -6.51 | 110.00 11.52 -0.02 | 80.28 7.63 -0.02 | 69.28 6.64 -0.02 | 62.09 5.69 -0.02 | 53.77 5.02 0.00 | 43.48 4.10 0.00 |
| JANIS___SOLAR 323808 | 39.88 2.78 -0.57 | 37.09 2.37 -0.37 | 34.12 1.89 -0.16 | 33.32 1.85 -0.10 | 32.12 1.67 -0.02 | 33.87 2.03 -0.13 | 37.16 2.49 -0.47 | 41.47 3.02 -0.73 | 45.52 2.84 -1.01 | 52.07 3.22 -1.50 | 55.63 3.42 -1.88 | 64.03 4.08 -2.50 | 69.16 4.16 -2.89 | 75.16 4.71 -3.08 | 82.90 5.25 -3.66 | 96.77 5.78 -4.67 | 107.07 7.03 -5.04 | 127.17 8.79 -5.69 | 112.37 8.67 -5.24 | 83.36 7.04 -3.68 | 71.25 5.70 -2.93 | 63.95 5.18 -2.39 | 55.02 4.53 -1.74 | 43.83 3.50 -0.94 |
| JARVIS____ 23743 | 36.98 0.44 0.00 | 34.73 0.38 0.00 | 32.32 0.26 0.00 | 31.62 0.25 0.00 | 30.67 0.24 0.00 | 31.96 0.25 0.00 | 34.50 0.31 0.00 | 38.14 0.42 0.00 | 42.13 0.46 0.00 | 47.92 0.57 0.00 | 50.88 0.55 0.00 | 58.15 0.69 0.00 | 62.85 0.75 0.00 | 68.17 0.81 0.00 | 74.95 0.96 0.00 | 87.36 1.04 0.00 | 96.14 1.14 0.00 | 114.04 1.36 0.00 | 99.65 1.19 0.00 | 73.52 0.87 0.00 | 63.32 0.69 0.00 | 57.00 0.62 0.00 | 49.28 0.54 0.00 | 39.86 0.47 0.00 |
| JENNISON___1 23625 | 39.97 3.03 -0.40 | 36.98 2.37 -0.26 | 34.30 2.12 -0.12 | 33.54 2.10 -0.07 | 32.32 1.89 -0.01 | 34.02 2.22 -0.09 | 37.19 2.67 -0.33 | 41.56 3.32 -0.51 | 45.80 3.42 -0.71 | 52.39 3.98 -1.06 | 55.93 4.28 -1.33 | 64.33 5.11 -1.76 | 69.48 5.34 -2.04 | 75.46 5.93 -2.17 | 83.08 6.51 -2.58 | 96.56 6.99 -3.26 | 106.63 8.07 -3.55 | 126.61 9.92 -4.01 | 111.41 9.26 -3.69 | 82.42 7.19 -2.59 | 70.64 5.95 -2.06 | 63.59 5.53 -1.68 | 54.75 4.78 -1.23 | 43.83 3.78 -0.66 |
| JENNISON___2 23626 | 39.97 3.03 -0.40 | 36.98 2.37 -0.26 | 34.30 2.12 -0.12 | 33.54 2.10 -0.07 | 32.32 1.89 -0.01 | 34.02 2.22 -0.09 | 37.19 2.67 -0.33 | 41.56 3.32 -0.51 | 45.80 3.42 -0.71 | 52.39 3.98 -1.06 | 55.93 4.28 -1.33 | 64.33 5.11 -1.76 | 69.48 5.34 -2.04 | 75.46 5.93 -2.17 | 83.08 6.51 -2.58 | 96.56 6.99 -3.26 | 106.63 8.07 -3.55 | 126.61 9.92 -4.01 | 111.41 9.26 -3.69 | 82.42 7.19 -2.59 | 70.64 5.95 -2.06 | 63.59 5.53 -1.68 | 54.75 4.78 -1.23 | 43.83 3.78 -0.66 |
| JERICHO_RISE_WT_PWR 323719 | 35.44 -1.10 0.00 | 33.63 -0.72 0.00 | 31.74 -0.32 0.00 | 31.02 -0.34 0.00 | 30.09 -0.33 0.00 | 31.42 -0.29 0.00 | 33.75 -0.45 0.00 | 36.89 -0.83 0.00 | 40.67 -1.00 0.00 | 46.17 -1.18 0.00 | 48.91 -1.41 0.00 | 54.99 -2.47 0.00 | 59.31 -2.79 0.00 | 64.26 -3.10 0.00 | 69.40 -4.59 0.00 | 81.14 -5.18 0.00 | 89.59 -5.41 0.00 | 106.48 -6.20 0.00 | 92.75 -5.71 0.00 | 68.57 -4.07 0.00 | 60.18 -2.44 0.00 | 54.86 -1.52 0.00 | 47.29 -1.46 0.00 | 38.20 -1.18 0.00 |
| KATONAH___115KV_46KV_TB4 355592 | 39.46 2.92 0.00 | 36.65 2.30 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.61 1.90 0.00 | 36.48 2.29 0.00 | 40.63 2.90 0.00 | 45.26 3.58 0.00 | 51.33 3.98 0.00 | 54.90 4.58 0.00 | 62.91 5.46 0.00 | 68.75 6.64 0.00 | 74.97 7.61 0.00 | 82.64 8.66 0.00 | 97.88 10.70 -0.86 | 106.59 11.59 0.00 | 126.31 13.63 0.00 | 110.08 11.62 0.00 | 80.27 7.63 0.00 | 69.08 6.45 0.00 | 61.68 5.30 0.00 | 52.99 4.24 0.00 | 42.77 3.39 0.00 |
| KCE_NY_1 323755 | 39.20 2.67 0.00 | 36.72 2.37 0.00 | 34.02 1.96 0.00 | 33.25 1.88 0.00 | 32.28 1.86 0.00 | 33.58 1.87 0.00 | 36.21 2.02 0.00 | 40.10 2.38 0.00 | 44.55 2.87 0.00 | 50.62 3.26 0.00 | 53.49 3.17 0.00 | 61.25 3.79 0.00 | 66.13 4.03 0.00 | 71.54 4.18 0.00 | 78.79 4.81 0.00 | 92.58 6.04 -0.22 | 101.84 6.84 0.00 | 121.24 8.56 0.00 | 106.15 7.68 0.00 | 78.24 5.59 0.00 | 67.38 4.76 0.00 | 60.49 4.11 0.00 | 51.96 3.22 0.00 | 41.94 2.56 0.00 |
| KCE_NY_6_ESR 323823 | 38.00 1.46 0.00 | 35.11 0.75 0.00 | 32.13 0.06 0.00 | 31.56 0.19 0.00 | 30.30 -0.12 0.00 | 32.06 0.35 0.00 | 35.15 0.96 0.00 | 39.27 1.55 0.00 | 42.80 1.13 0.00 | 48.82 1.47 0.00 | 52.69 2.37 0.00 | 60.10 2.64 0.00 | 65.20 3.10 0.00 | 71.06 3.70 0.00 | 77.91 3.92 0.00 | 89.68 3.36 0.00 | 98.99 3.99 0.00 | 116.86 4.17 0.00 | 103.19 4.73 0.00 | 76.35 3.70 0.00 | 65.14 2.51 0.00 | 58.92 2.54 0.00 | 51.82 3.07 0.00 | 41.91 2.52 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 79.21 3.91 -38.76 | 52.81 3.51 -14.96 | 46.39 2.79 -11.54 | 41.87 2.60 -7.90 | 41.30 2.58 -8.29 | 42.13 2.63 -7.79 | 44.45 3.21 -7.04 | 47.33 4.04 -5.57 | 65.25 4.92 -18.66 | 88.14 5.58 -35.20 | 70.72 5.63 -14.76 | 147.57 6.21 -83.91 | 300.23 7.20 -230.93 | 319.73 7.81 -244.56 | 303.34 8.87 -220.48 | 283.07 10.88 -185.88 | 292.90 11.30 -186.60 | 283.58 13.40 -157.49 | 281.94 11.51 -171.97 | 282.40 7.99 -201.76 | 306.75 6.89 -237.24 | 241.46 5.69 -179.40 | 70.22 5.27 -16.21 | 64.65 4.49 -20.77 |
| KEDC_PORT_JEFF_GT3 24211 | 79.21 3.91 -38.76 | 52.81 3.51 -14.96 | 46.39 2.79 -11.54 | 41.87 2.60 -7.90 | 41.30 2.58 -8.29 | 42.13 2.63 -7.79 | 44.45 3.21 -7.04 | 47.33 4.04 -5.57 | 65.25 4.92 -18.66 | 88.14 5.58 -35.20 | 70.72 5.63 -14.76 | 147.57 6.21 -83.91 | 300.23 7.20 -230.93 | 319.73 7.81 -244.56 | 303.34 8.87 -220.48 | 283.07 10.88 -185.88 | 292.90 11.30 -186.60 | 283.58 13.40 -157.49 | 281.94 11.51 -171.97 | 282.40 7.99 -201.76 | 306.75 6.89 -237.24 | 241.46 5.69 -179.40 | 70.22 5.27 -16.21 | 64.65 4.49 -20.77 |
| KEDC_GLWD_GT4 24219 | 78.52 3.22 -38.76 | 52.13 2.82 -14.96 | 46.10 2.50 -11.54 | 41.62 2.35 -7.90 | 41.06 2.34 -8.29 | 41.84 2.35 -7.79 | 44.14 2.90 -7.04 | 46.95 3.66 -5.57 | 64.33 4.00 -18.66 | 86.99 4.45 -35.19 | 63.02 5.03 -7.66 | 69.25 6.15 -5.64 | 80.01 7.08 -10.84 | 82.49 7.81 -7.32 | 92.11 9.02 -9.10 | 244.72 11.14 -147.26 | 302.58 11.78 -195.80 | 292.79 13.74 -166.37 | 171.32 11.61 -61.24 | 80.34 7.70 0.00 | 80.28 6.51 -11.14 | 74.96 5.36 -13.22 | 62.95 4.63 -9.57 | 61.46 3.78 -18.30 |
| KEDC_GLWD_GT5 24220 | 78.52 3.22 -38.76 | 52.13 2.82 -14.96 | 46.10 2.50 -11.54 | 41.62 2.35 -7.90 | 41.06 2.34 -8.29 | 41.84 2.35 -7.79 | 44.14 2.90 -7.04 | 46.95 3.66 -5.57 | 64.33 4.00 -18.66 | 86.99 4.45 -35.19 | 63.02 5.03 -7.66 | 69.25 6.15 -5.64 | 80.01 7.08 -10.84 | 82.49 7.81 -7.32 | 92.11 9.02 -9.10 | 244.72 11.14 -147.26 | 302.58 11.78 -195.80 | 292.79 13.74 -166.37 | 171.32 11.61 -61.24 | 80.34 7.70 0.00 | 80.28 6.51 -11.14 | 74.96 5.36 -13.22 | 62.95 4.63 -9.57 | 61.46 3.78 -18.30 |

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| KENSICO____ 23655 | 39.20 2.67 0.00 | 36.41 2.06 0.00 | 33.83 1.76 0.00 | 33.03 1.66 0.00 | 32.10 1.67 0.00 | 33.36 1.65 0.00 | 36.28 2.09 0.00 | 40.48 2.75 0.00 | 44.97 3.29 0.00 | 51.00 3.65 0.00 | 54.40 4.08 0.00 | 62.22 4.77 0.00 | 67.69 5.59 0.00 | 73.49 6.13 0.00 | 81.09 7.10 0.00 | 96.58 8.89 -1.37 | 104.40 9.40 0.00 | 123.61 10.93 0.00 | 107.72 9.26 0.00 | 78.67 6.03 0.00 | 67.83 5.20 0.00 | 60.72 4.34 0.00 | 52.50 3.75 0.00 | 42.46 3.07 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 39.31 2.78 0.00 | 36.45 2.10 0.00 | 33.89 1.83 0.00 | 33.06 1.69 0.00 | 32.10 1.67 0.00 | 33.36 1.65 0.00 | 36.25 2.05 0.00 | 40.21 2.49 0.00 | 44.68 3.00 0.00 | 50.71 3.36 0.00 | 54.10 3.77 0.00 | 61.88 4.42 0.00 | 67.19 5.09 0.00 | 72.88 5.52 0.00 | 80.20 6.21 0.00 | 94.06 7.94 0.20 | 103.36 8.36 0.00 | 122.82 10.14 0.00 | 107.12 8.66 0.00 | 78.45 5.81 0.00 | 67.45 4.82 0.00 | 60.61 4.23 0.00 | 52.45 3.70 0.00 | 42.30 2.91 0.00 |
| KIAC_JFK_GT1 23816 | 39.46 2.92 0.00 | 36.86 2.51 0.00 | 34.12 2.05 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.58 1.87 0.00 | 36.72 2.53 0.00 | 40.89 3.17 0.00 | 45.51 3.83 0.00 | 51.47 4.12 0.00 | 54.95 4.63 0.00 | 62.87 5.40 -0.02 | 68.39 6.27 -0.02 | 74.18 6.80 -0.02 | 81.92 7.92 -0.02 | 97.63 10.01 -1.30 | 112.28 10.54 -6.74 | 131.36 12.17 -6.51 | 108.72 10.24 -0.02 | 79.34 6.68 -0.02 | 68.47 5.82 -0.02 | 61.35 4.96 -0.02 | 53.18 4.44 0.00 | 43.05 3.66 0.00 |
| KIAC_JFK_GT2 23817 | 39.46 2.92 0.00 | 36.86 2.51 0.00 | 34.12 2.05 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.58 1.87 0.00 | 36.72 2.53 0.00 | 40.89 3.17 0.00 | 45.51 3.83 0.00 | 51.47 4.12 0.00 | 54.95 4.63 0.00 | 62.87 5.40 -0.02 | 68.39 6.27 -0.02 | 74.18 6.80 -0.02 | 81.92 7.92 -0.02 | 97.63 10.01 -1.30 | 112.28 10.54 -6.74 | 131.36 12.17 -6.51 | 108.72 10.24 -0.02 | 79.34 6.68 -0.02 | 68.47 5.82 -0.02 | 61.35 4.96 -0.02 | 53.18 4.44 0.00 | 43.05 3.66 0.00 |
| KIAC_JFK____ 323774 | 39.46 2.92 0.00 | 37.10 2.75 0.00 | 34.12 2.05 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.58 1.87 0.00 | 36.72 2.53 0.00 | 40.89 3.17 0.00 | 45.55 3.88 0.00 | 51.47 4.12 0.00 | 54.90 4.58 0.00 | 62.99 5.52 -0.02 | 68.51 6.40 -0.02 | 74.31 6.94 -0.02 | 82.14 8.14 -0.02 | 97.80 10.18 -1.30 | 112.37 10.64 -6.74 | 131.58 12.39 -6.51 | 108.91 10.43 -0.02 | 79.56 6.90 -0.02 | 68.53 5.89 -0.02 | 61.30 4.90 -0.02 | 53.18 4.44 0.00 | 43.05 3.66 0.00 |
| KINTIGH____ 23543 | 36.76 0.22 0.00 | 33.60 -0.76 0.00 | 31.30 -0.77 0.00 | 30.68 -0.69 0.00 | 29.51 -0.91 0.00 | 31.17 -0.54 0.00 | 34.06 -0.14 0.00 | 37.95 0.23 0.00 | 41.47 -0.21 0.00 | 47.21 -0.14 0.00 | 50.67 0.35 0.00 | 57.68 0.23 0.00 | 62.66 0.56 0.00 | 68.10 0.74 0.00 | 74.80 0.81 0.00 | 86.23 -0.09 0.00 | 95.00 0.00 0.00 | 112.57 -0.11 0.00 | 99.15 0.69 0.00 | 73.51 0.87 0.00 | 62.75 0.13 0.00 | 56.77 0.39 0.00 | 49.87 1.12 0.00 | 40.29 0.91 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 35.99 -0.55 0.00 | 34.46 0.10 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.40 0.21 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.93 -0.43 0.00 | 49.72 -0.60 0.00 | 56.71 -0.75 0.00 | 60.49 -1.61 0.00 | 65.54 -1.82 0.00 | 70.66 -3.33 0.00 | 82.61 -3.71 0.00 | 91.39 -3.61 0.00 | 108.62 -4.06 0.00 | 94.62 -3.84 0.00 | 70.75 -1.89 0.00 | 61.63 -1.00 0.00 | 55.19 -1.18 0.00 | 48.06 -0.68 0.00 | 38.79 -0.59 0.00 |
| LACHUTE____HYDRO 323717 | 41.76 5.22 0.00 | 39.02 4.67 0.00 | 35.94 3.88 0.00 | 35.07 3.70 0.00 | 34.04 3.62 0.00 | 35.54 3.83 0.00 | 38.36 4.17 0.00 | 42.52 4.79 0.00 | 47.51 5.83 0.00 | 53.89 6.54 0.00 | 56.76 6.44 0.00 | 65.21 7.75 0.00 | 70.30 8.20 0.00 | 75.44 8.08 0.00 | 83.01 9.02 0.00 | 97.59 11.05 -0.22 | 108.11 13.11 0.00 | 129.70 17.02 0.00 | 114.12 15.66 0.00 | 84.19 11.55 0.00 | 72.33 9.71 0.00 | 65.00 8.63 0.00 | 55.38 6.63 0.00 | 44.50 5.12 0.00 |
| LAWRNCAL_115KV_TB1 80681 | 35.04 -1.50 0.00 | 33.53 -0.82 0.00 | 31.33 -0.74 0.00 | 30.65 -0.72 0.00 | 29.73 -0.70 0.00 | 31.07 -0.63 0.00 | 33.37 -0.82 0.00 | 36.25 -1.47 0.00 | 39.55 -2.13 0.00 | 44.94 -2.41 0.00 | 47.60 -2.72 0.00 | 54.01 -3.45 0.00 | 58.06 -4.04 0.00 | 62.84 -4.51 0.00 | 68.44 -5.55 0.00 | 79.93 -6.39 0.00 | 88.25 -6.74 0.00 | 104.91 -7.77 0.00 | 91.47 -6.99 0.00 | 67.99 -4.65 0.00 | 59.00 -3.63 0.00 | 53.28 -3.10 0.00 | 46.16 -2.58 0.00 | 37.49 -1.89 0.00 |
| LEDERLE____ 23769 | 39.13 2.59 0.00 | 36.31 1.96 0.00 | 33.80 1.73 0.00 | 32.97 1.60 0.00 | 32.07 1.64 0.00 | 33.29 1.59 0.00 | 36.21 2.02 0.00 | 40.25 2.53 0.00 | 44.72 3.04 0.00 | 50.81 3.46 0.00 | 54.20 3.87 0.00 | 61.99 4.54 0.00 | 67.38 5.28 0.00 | 73.15 5.79 0.00 | 80.57 6.58 0.00 | 92.46 8.29 2.14 | 103.83 8.83 0.00 | 123.05 10.37 0.00 | 107.22 8.76 0.00 | 78.38 5.74 0.00 | 67.51 4.88 0.00 | 60.55 4.17 0.00 | 52.31 3.56 0.00 | 42.22 2.84 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 38.51 0.37 -1.61 | 35.47 0.07 -1.05 | 32.53 0.00 -0.46 | 31.69 0.03 -0.29 | 30.41 -0.06 -0.05 | 32.17 0.10 -0.36 | 35.77 0.24 -1.33 | 40.20 0.41 -2.06 | 44.72 0.21 -2.84 | 51.86 0.28 -4.23 | 55.93 0.30 -5.31 | 64.73 0.23 -7.04 | 70.32 0.06 -8.16 | 76.19 0.13 -8.69 | 84.44 0.15 -10.31 | 99.55 -0.09 -13.32 | 109.20 0.00 -14.20 | 128.95 0.23 -16.05 | 113.72 0.49 -14.77 | 83.66 0.65 -10.36 | 71.32 0.44 -8.25 | 63.78 0.68 -6.73 | 54.34 0.68 -4.91 | 42.58 0.55 -2.65 |
| LINDEN COGEN____ 23786 | 39.24 2.70 0.00 | 36.69 2.34 0.00 | 33.76 1.70 0.00 | 32.90 1.54 0.00 | 31.98 1.55 0.00 | 33.26 1.55 0.00 | 36.35 2.16 0.00 | 40.63 2.91 0.00 | 43.36 3.46 1.78 | 43.84 3.60 7.11 | 45.92 3.97 8.38 | 46.37 4.83 15.92 | 46.42 5.71 21.39 | 50.81 6.13 22.68 | 59.15 7.25 22.09 | 74.76 9.15 20.70 | 82.95 9.50 21.55 | 102.22 11.05 21.51 | 82.15 9.16 25.47 | 56.63 5.96 21.97 | 46.35 5.07 21.34 | 49.05 4.11 11.44 | 45.87 3.75 6.63 | 42.61 3.23 0.00 |
| LINDHRST_69_KV_BK1 356055 | 79.28 3.98 -38.76 | 52.57 3.26 -14.96 | 46.46 2.85 -11.54 | 41.96 2.70 -7.90 | 41.40 2.68 -8.29 | 42.19 2.70 -7.79 | 44.48 3.25 -7.04 | 47.41 4.11 -5.57 | 65.21 4.88 -18.66 | 88.03 5.49 -35.19 | 64.41 5.89 -8.20 | 78.59 6.84 -14.30 | 97.33 7.82 -27.40 | 101.16 8.62 -25.18 | 108.83 9.84 -25.00 | 248.65 12.17 -150.17 | 296.34 12.92 -188.42 | 287.13 15.21 -159.24 | 181.13 13.10 -69.58 | 96.47 8.64 -15.18 | 98.36 7.58 -28.15 | 88.59 6.48 -25.73 | 65.46 5.61 -11.11 | 62.40 4.53 -18.48 |
| LIPA_MISC_IPP 23656 | 79.14 3.84 -38.76 | 52.50 3.19 -14.96 | 46.33 2.73 -11.54 | 41.84 2.57 -7.90 | 41.25 2.53 -8.29 | 42.10 2.60 -7.79 | 44.38 3.15 -7.04 | 47.25 3.96 -5.57 | 65.21 4.88 -18.66 | 88.14 5.59 -35.20 | 69.71 5.74 -13.65 | 136.98 6.61 -72.92 | 266.32 7.70 -196.51 | 283.04 8.22 -207.47 | 270.74 9.32 -187.43 | 277.55 11.39 -179.84 | 293.44 11.88 -186.57 | 284.22 14.08 -157.45 | 265.62 12.50 -154.65 | 251.28 8.43 -170.22 | 272.02 7.52 -201.88 | 216.22 6.43 -153.41 | 69.89 5.51 -15.63 | 64.30 4.53 -20.38 |
| LISF____SOLAR 323691 | 79.25 3.95 -38.76 | 52.88 3.57 -14.96 | 46.39 2.79 -11.54 | 41.90 2.64 -7.90 | 41.34 2.62 -8.29 | 42.16 2.66 -7.79 | 44.48 3.25 -7.04 | 47.37 4.08 -5.57 | 65.33 5.00 -18.66 | 88.23 5.68 -35.20 | 69.90 5.83 -13.74 | 138.19 6.89 -73.84 | 269.24 7.95 -199.19 | 286.27 8.56 -210.35 | 273.75 9.77 -190.00 | 278.54 11.92 -180.31 | 294.12 12.54 -186.58 | 285.02 14.87 -157.47 | 267.56 13.10 -156.00 | 254.32 9.01 -172.67 | 275.15 7.89 -204.63 | 218.40 6.59 -155.43 | 70.10 5.65 -15.70 | 64.44 4.65 -20.41 |

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|---------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|----------------------------|----------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| LITTLE FALLS___HYD 24013 | 37.49 0.95 0.00 | 35.11 0.76 0.00 | 32.74 0.67 0.00 | 32.03 0.66 0.00 | 31.06 0.64 0.00 | 32.40 0.70 0.00 | 34.98 0.79 0.00 | 38.67 0.94 0.00 | 42.72 1.04 0.00 | 48.54 1.18 0.00 | 51.58 1.26 0.00 | 58.89 1.44 0.00 | 63.53 1.43 0.00 | 68.84 1.48 0.00 | 75.62 1.63 0.00 | 88.04 1.73 0.00 | 97.09 2.09 0.00 | 115.16 2.48 0.00 | 100.82 2.36 0.00 | 74.38 1.74 0.00 | 64.13 1.50 0.00 | 57.84 1.47 0.00 | 49.97 1.22 0.00 | 40.41 1.02 0.00 |
| LITTLRIV_115KV_TB1 356100 | 35.56 -1.17 -0.20 | 34.03 -0.45 -0.13 | 31.70 -0.42 -0.06 | 30.99 -0.41 -0.03 | 30.04 -0.40 -0.01 | 31.47 -0.29 -0.04 | 33.91 -0.44 -0.16 | 36.88 -1.09 -0.25 | 40.35 -1.67 -0.35 | 45.97 -1.89 -0.51 | 48.70 -2.26 -0.65 | 55.44 -2.87 -0.86 | 59.62 -3.48 -0.99 | 64.44 -3.97 -1.06 | 70.36 -4.88 -1.26 | 82.16 -5.78 -1.62 | 90.74 -5.98 -1.73 | 107.76 -6.87 -1.95 | 94.25 -6.01 -1.80 | 70.05 -3.85 -1.26 | 60.63 -3.01 -1.00 | 54.72 -2.48 -0.82 | 47.25 -2.10 -0.60 | 38.21 -1.50 -0.32 |
| LI_NEWBRDGE___DRP 323616 | 78.41 3.11 -38.76 | 51.78 2.47 -14.96 | 45.75 2.15 -11.54 | 41.27 2.01 -7.90 | 40.73 2.01 -8.29 | 41.53 2.03 -7.79 | 43.73 2.50 -7.04 | 46.54 3.24 -5.57 | 64.17 3.83 -18.66 | 86.80 4.26 -35.19 | 62.62 4.63 -7.66 | 68.50 5.40 -5.64 | 79.27 6.33 -10.84 | 81.55 6.87 -7.32 | 90.93 7.84 -9.10 | 243.42 9.84 -147.26 | 289.78 10.45 -184.33 | 280.13 12.17 -155.28 | 169.94 10.24 -61.24 | 79.25 6.61 0.00 | 79.65 5.89 -11.14 | 74.62 5.02 -13.22 | 62.66 4.34 -9.57 | 61.27 3.58 -18.30 |
| LOCKPORT_115KV_TB60_63_64 80432 | 37.09 0.55 0.00 | 33.70 -0.65 0.00 | 31.39 -0.67 0.00 | 30.65 -0.72 0.00 | 29.45 -0.97 0.00 | 31.29 -0.41 0.00 | 34.16 -0.03 0.00 | 38.10 0.38 0.00 | 41.55 -0.13 0.00 | 47.31 -0.05 0.00 | 50.88 0.55 0.00 | 57.91 0.46 0.00 | 62.91 0.81 0.00 | 68.57 1.21 0.00 | 75.17 1.18 0.00 | 86.40 0.09 0.00 | 95.09 0.09 0.00 | 112.68 0.00 0.00 | 99.34 0.89 0.00 | 73.80 1.16 0.00 | 62.94 0.31 0.00 | 57.00 0.62 0.00 | 50.31 1.56 0.00 | 40.80 1.42 0.00 |
| LOCKPORT___CC1 323769 | 36.94 0.40 0.00 | 34.15 -0.20 0.00 | 31.17 -0.90 0.00 | 30.68 -0.69 0.00 | 29.36 -1.07 0.00 | 31.17 -0.54 0.00 | 34.06 -0.14 0.00 | 37.99 0.27 0.00 | 41.34 -0.33 0.00 | 47.16 -0.19 0.00 | 50.88 0.55 0.00 | 57.86 0.41 0.00 | 62.72 0.62 0.00 | 68.30 0.94 0.00 | 74.88 0.89 0.00 | 86.06 -0.26 0.00 | 95.09 0.10 0.00 | 112.23 -0.45 0.00 | 99.15 0.69 0.00 | 73.29 0.65 0.00 | 62.69 0.06 0.00 | 56.83 0.45 0.00 | 50.11 1.36 0.00 | 40.72 1.34 0.00 |
| LOCKPORT___CC2 323770 | 36.94 0.40 0.00 | 34.15 -0.20 0.00 | 31.17 -0.90 0.00 | 30.68 -0.69 0.00 | 29.36 -1.07 0.00 | 31.17 -0.54 0.00 | 34.06 -0.14 0.00 | 37.99 0.27 0.00 | 41.34 -0.33 0.00 | 47.16 -0.19 0.00 | 50.88 0.55 0.00 | 57.86 0.41 0.00 | 62.72 0.62 0.00 | 68.30 0.94 0.00 | 74.88 0.89 0.00 | 86.06 -0.26 0.00 | 95.09 0.10 0.00 | 112.23 -0.45 0.00 | 99.15 0.69 0.00 | 73.29 0.65 0.00 | 62.69 0.06 0.00 | 56.83 0.45 0.00 | 50.11 1.36 0.00 | 40.72 1.34 0.00 |
| LOCKPORT___CC3 323771 | 36.94 0.40 0.00 | 34.15 -0.20 0.00 | 31.17 -0.90 0.00 | 30.68 -0.69 0.00 | 29.36 -1.07 0.00 | 31.17 -0.54 0.00 | 34.06 -0.14 0.00 | 37.99 0.27 0.00 | 41.34 -0.33 0.00 | 47.16 -0.19 0.00 | 50.88 0.55 0.00 | 57.86 0.41 0.00 | 62.72 0.62 0.00 | 68.30 0.94 0.00 | 74.88 0.89 0.00 | 86.06 -0.26 0.00 | 95.09 0.10 0.00 | 112.23 -0.45 0.00 | 99.15 0.69 0.00 | 73.29 0.65 0.00 | 62.69 0.06 0.00 | 56.83 0.45 0.00 | 50.11 1.36 0.00 | 40.72 1.34 0.00 |
| LONG_LAKE_PHOENIX 24014 | 38.76 -0.04 -2.26 | 35.51 -0.31 -1.47 | 32.36 -0.35 -0.65 | 31.43 -0.35 -0.40 | 30.13 -0.37 -0.07 | 31.93 -0.29 -0.51 | 35.90 -0.17 -1.88 | 40.66 0.04 -2.89 | 45.54 -0.13 -3.99 | 53.20 -0.09 -5.94 | 57.83 0.05 -7.46 | 67.47 0.11 -9.90 | 73.75 0.19 -11.46 | 79.78 0.20 -12.22 | 88.77 0.30 -14.49 | 105.12 0.09 -18.72 | 115.15 0.19 -19.96 | 135.57 0.34 -22.55 | 119.61 0.39 -20.76 | 87.64 0.44 -14.56 | 74.41 0.19 -11.60 | 66.01 0.17 -9.46 | 55.90 0.24 -6.91 | 43.22 0.12 -3.72 |
| LOVETT___3 23632 | 38.84 2.30 0.00 | 36.10 1.75 0.00 | 33.60 1.54 0.00 | 32.78 1.41 0.00 | 31.89 1.46 0.00 | 33.10 1.40 0.00 | 35.97 1.78 0.00 | 39.99 2.26 0.00 | 44.43 2.75 0.00 | 50.38 3.03 0.00 | 53.74 3.42 0.00 | 61.53 4.08 0.00 | 66.88 4.78 0.00 | 72.54 5.19 0.00 | 79.98 5.99 0.00 | 91.64 7.60 2.27 | 103.07 8.07 0.00 | 122.15 9.47 0.00 | 106.44 7.98 0.00 | 77.80 5.16 0.00 | 67.07 4.45 0.00 | 60.10 3.72 0.00 | 51.92 3.17 0.00 | 41.94 2.56 0.00 |
| LOVETT___4 23642 | 38.84 2.30 0.00 | 36.10 1.75 0.00 | 33.60 1.54 0.00 | 32.78 1.41 0.00 | 31.89 1.46 0.00 | 33.10 1.40 0.00 | 35.97 1.78 0.00 | 39.99 2.26 0.00 | 44.43 2.75 0.00 | 50.38 3.03 0.00 | 53.74 3.42 0.00 | 61.53 4.08 0.00 | 66.88 4.78 0.00 | 72.54 5.19 0.00 | 79.98 5.99 0.00 | 91.64 7.60 2.27 | 103.07 8.07 0.00 | 122.15 9.47 0.00 | 106.44 7.98 0.00 | 77.80 5.16 0.00 | 67.07 4.45 0.00 | 60.10 3.72 0.00 | 51.92 3.17 0.00 | 41.94 2.56 0.00 |
| LOVETT___5 23593 | 38.84 2.30 0.00 | 36.10 1.75 0.00 | 33.60 1.54 0.00 | 32.78 1.41 0.00 | 31.89 1.46 0.00 | 33.10 1.40 0.00 | 35.97 1.78 0.00 | 39.99 2.26 0.00 | 44.43 2.75 0.00 | 50.38 3.03 0.00 | 53.74 3.42 0.00 | 61.53 4.08 0.00 | 66.88 4.78 0.00 | 72.54 5.19 0.00 | 79.98 5.99 0.00 | 91.64 7.60 2.27 | 103.07 8.07 0.00 | 122.15 9.47 0.00 | 106.44 7.98 0.00 | 77.80 5.16 0.00 | 67.07 4.45 0.00 | 60.10 3.72 0.00 | 51.92 3.17 0.00 | 41.94 2.56 0.00 |
| LOWER RAQUET___HYD 24057 | 35.25 -1.50 -0.21 | 33.39 -1.10 -0.14 | 31.42 -0.71 -0.06 | 30.71 -0.69 -0.04 | 29.73 -0.70 -0.01 | 31.12 -0.63 -0.05 | 33.55 -0.82 -0.17 | 36.52 -1.47 -0.27 | 39.88 -2.17 -0.37 | 45.39 -2.51 -0.55 | 48.14 -2.87 -0.69 | 54.41 -3.96 -0.91 | 58.75 -4.41 -1.06 | 63.50 -4.98 -1.13 | 69.19 -6.14 -1.34 | 80.88 -7.16 -1.73 | 89.34 -7.51 -1.85 | 106.09 -8.67 -2.08 | 92.70 -7.68 -1.92 | 68.54 -5.45 -1.35 | 59.69 -4.01 -1.07 | 54.21 -3.05 -0.87 | 46.75 -2.63 -0.64 | 37.84 -1.89 -0.34 |
| LOWER___HUDSON 24059 | 38.51 1.97 0.00 | 36.14 1.79 0.00 | 33.51 1.44 0.00 | 32.78 1.41 0.00 | 31.86 1.43 0.00 | 33.07 1.36 0.00 | 35.70 1.50 0.00 | 39.57 1.85 0.00 | 43.84 2.17 0.00 | 49.81 2.46 0.00 | 52.69 2.37 0.00 | 60.21 2.76 0.00 | 65.08 2.98 0.00 | 70.52 3.17 0.00 | 77.69 3.70 0.00 | 91.39 4.83 -0.24 | 100.32 5.32 0.00 | 119.10 6.42 0.00 | 104.17 5.71 0.00 | 76.71 4.07 0.00 | 66.07 3.44 0.00 | 59.31 2.93 0.00 | 51.04 2.29 0.00 | 41.27 1.89 0.00 |
| LOWVILLE_115KV_TB2 356335 | 38.26 1.24 -0.48 | 35.73 1.06 -0.31 | 33.13 0.93 -0.14 | 32.39 0.94 -0.09 | 31.26 0.82 -0.01 | 32.86 1.05 -0.11 | 35.79 1.20 -0.40 | 39.59 1.24 -0.62 | 43.61 1.08 -0.85 | 49.90 1.28 -1.27 | 53.07 1.16 -1.59 | 60.83 1.26 -2.11 | 65.66 1.12 -2.44 | 71.17 1.21 -2.60 | 78.33 1.26 -3.09 | 91.34 1.04 -3.99 | 100.77 1.52 -4.25 | 119.74 2.25 -4.80 | 105.25 2.36 -4.42 | 77.92 2.18 -3.10 | 66.98 1.88 -2.47 | 60.37 1.97 -2.02 | 51.88 1.66 -1.47 | 41.59 1.42 -0.79 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 39.17 2.63 0.00 | 36.55 2.20 0.00 | 33.99 1.92 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.55 1.84 0.00 | 36.18 1.98 0.00 | 40.10 2.38 0.00 | 44.51 2.83 0.00 | 50.57 3.22 0.00 | 53.44 3.12 0.00 | 61.13 3.68 0.00 | 66.08 3.97 0.00 | 71.47 4.11 0.00 | 78.65 4.66 0.00 | 92.32 5.78 -0.22 | 101.65 6.65 0.00 | 121.02 8.34 0.00 | 105.94 7.48 0.00 | 78.02 5.38 0.00 | 67.26 4.63 0.00 | 60.49 4.12 0.00 | 51.92 3.17 0.00 | 41.91 2.52 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 39.20 2.67 0.00 | 36.59 2.23 0.00 | 34.02 1.96 0.00 | 33.25 1.88 0.00 | 32.28 1.86 0.00 | 33.58 1.87 0.00 | 36.18 1.98 0.00 | 40.10 2.38 0.00 | 44.51 2.83 0.00 | 50.62 3.27 0.00 | 53.49 3.17 0.00 | 61.19 3.73 0.00 | 66.14 4.04 0.00 | 71.47 4.11 0.00 | 78.72 4.74 0.00 | 92.41 5.87 -0.22 | 101.75 6.74 0.00 | 121.13 8.45 0.00 | 106.04 7.58 0.00 | 78.09 5.45 0.00 | 67.32 4.70 0.00 | 60.55 4.17 0.00 | 51.96 3.22 0.00 | 41.94 2.56 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 36.77 -0.18 -0.41 | 34.69 0.07 -0.27 | 32.22 0.03 -0.12 | 31.47 0.03 -0.07 | 30.44 0.00 -0.01 | 31.93 0.13 -0.09 | 34.67 0.14 -0.34 | 38.10 -0.15 -0.53 | 41.78 -0.63 -0.73 | 47.78 -0.66 -1.09 | 50.73 -0.96 -1.37 | 57.95 -1.32 -1.81 | 62.46 -1.74 -2.10 | 67.64 -1.95 -2.24 | 74.20 -2.44 -2.65 | 86.73 -3.02 -3.43 | 95.71 -2.94 -3.66 | 113.66 -3.16 -4.13 | 99.61 -2.66 -3.80 | 73.93 -1.38 -2.67 | 63.69 -1.06 -2.12 | 57.43 -0.68 -1.73 | 49.48 -0.54 -1.27 | 39.79 -0.28 -0.68 |
| LYONS_FALL_HYD 23570 | 38.28 1.39 -0.35 | 35.78 1.20 -0.23 | 33.19 1.03 -0.10 | 32.43 1.00 -0.06 | 31.32 0.88 -0.01 | 32.86 1.08 -0.08 | 35.71 1.23 -0.29 | 39.49 1.32 -0.45 | 43.59 1.29 -0.62 | 49.84 1.56 -0.92 | 52.99 1.51 -1.16 | 60.78 1.78 -1.54 | 65.50 1.61 -1.78 | 71.08 1.82 -1.90 | 78.16 1.92 -2.25 | 91.13 1.90 -2.91 | 100.57 2.47 -3.11 | 119.34 3.15 -3.51 | 104.84 3.15 -3.23 | 77.45 2.54 -2.26 | 66.56 2.13 -1.80 | 59.99 2.14 -1.47 | 51.63 1.80 -1.07 | 41.54 1.58 -0.58 |
| MADISON___COUNTY_LFGE 323628 | 38.66 1.75 -0.37 | 35.97 1.37 -0.24 | 33.39 1.22 -0.11 | 32.63 1.19 -0.07 | 31.53 1.10 -0.01 | 33.06 1.27 -0.08 | 36.00 1.50 -0.31 | 39.67 1.47 -0.47 | 43.91 1.58 -0.65 | 50.17 1.85 -0.97 | 53.50 1.96 -1.22 | 61.49 2.41 -1.62 | 66.40 2.42 -1.88 | 72.05 2.69 -2.00 | 79.32 2.96 -2.37 | 92.31 2.93 -3.06 | 101.88 3.61 -3.27 | 120.88 4.51 -3.69 | 106.09 4.23 -3.40 | 78.29 3.27 -2.38 | 67.16 2.63 -1.90 | 60.46 2.54 -1.55 | 51.97 2.10 -1.13 | 42.04 2.05 -0.61 |
| MALONE___115KV_TB1 356076 | 35.66 -0.88 0.00 | 34.18 -0.17 0.00 | 31.94 -0.13 0.00 | 31.21 -0.16 0.00 | 30.27 -0.15 0.00 | 31.67 -0.03 0.00 | 34.09 -0.10 0.00 | 37.20 -0.53 0.00 | 40.88 -0.79 0.00 | 46.41 -0.95 0.00 | 49.16 -1.16 0.00 | 55.96 -1.49 0.00 | 59.99 -2.11 0.00 | 64.93 -2.42 0.00 | 70.44 -3.55 0.00 | 82.26 -4.06 0.00 | 90.91 -4.09 0.00 | 108.17 -4.51 0.00 | 94.23 -4.23 0.00 | 70.24 -2.40 0.00 | 61.06 -1.57 0.00 | 54.80 -1.58 0.00 | 47.48 -1.27 0.00 | 38.36 -1.02 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 38.36 1.83 0.00 | 35.90 1.55 0.00 | 33.48 1.41 0.00 | 32.72 1.35 0.00 | 31.80 1.37 0.00 | 33.04 1.33 0.00 | 35.56 1.37 0.00 | 39.42 1.70 0.00 | 43.63 1.96 0.00 | 49.58 2.23 0.00 | 52.44 2.11 0.00 | 59.75 2.30 0.00 | 64.58 2.48 0.00 | 69.98 2.63 0.00 | 77.10 3.11 0.00 | 90.52 3.97 -0.24 | 99.37 4.37 0.00 | 117.98 5.30 0.00 | 103.09 4.63 0.00 | 75.84 3.20 0.00 | 65.38 2.76 0.00 | 58.91 2.54 0.00 | 50.75 2.00 0.00 | 41.00 1.61 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 36.21 -0.33 0.00 | 34.11 -0.24 0.00 | 31.91 -0.16 0.00 | 31.21 -0.16 0.00 | 30.27 -0.15 0.00 | 31.55 -0.16 0.00 | 33.99 -0.20 0.00 | 37.42 -0.30 0.00 | 41.34 -0.33 0.00 | 46.93 -0.43 0.00 | 49.87 -0.45 0.00 | 56.82 -0.63 0.00 | 61.23 -0.87 0.00 | 66.28 -1.08 0.00 | 72.73 -1.26 0.00 | 84.85 -1.47 0.00 | 93.48 -1.52 0.00 | 110.87 -1.81 0.00 | 96.79 -1.67 0.00 | 71.48 -1.17 0.00 | 61.75 -0.88 0.00 | 55.64 -0.73 0.00 | 48.26 -0.49 0.00 | 38.99 -0.39 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 36.21 -0.33 0.00 | 34.11 -0.24 0.00 | 31.91 -0.16 0.00 | 31.21 -0.16 0.00 | 30.27 -0.15 0.00 | 31.55 -0.16 0.00 | 33.99 -0.20 0.00 | 37.42 -0.30 0.00 | 41.34 -0.33 0.00 | 46.93 -0.43 0.00 | 49.87 -0.45 0.00 | 56.82 -0.63 0.00 | 61.23 -0.87 0.00 | 66.28 -1.08 0.00 | 72.73 -1.26 0.00 | 84.85 -1.47 0.00 | 93.48 -1.52 0.00 | 110.87 -1.81 0.00 | 96.79 -1.67 0.00 | 71.48 -1.17 0.00 | 61.75 -0.88 0.00 | 55.64 -0.73 0.00 | 48.26 -0.49 0.00 | 38.99 -0.39 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 35.62 -0.91 0.00 | 33.80 -0.55 0.00 | 31.87 -0.19 0.00 | 31.15 -0.22 0.00 | 30.21 -0.21 0.00 | 31.58 -0.13 0.00 | 33.92 -0.27 0.00 | 37.08 -0.64 0.00 | 40.93 -0.75 0.00 | 46.41 -0.95 0.00 | 49.21 -1.11 0.00 | 55.10 -2.36 0.00 | 59.49 -2.61 0.00 | 64.46 -2.89 0.00 | 69.40 -4.59 0.00 | 81.14 -5.18 0.00 | 89.59 -5.41 0.00 | 106.48 -6.20 0.00 | 92.75 -5.71 0.00 | 68.57 -4.07 0.00 | 60.38 -2.25 0.00 | 55.19 -1.19 0.00 | 47.53 -1.22 0.00 | 38.40 -0.98 0.00 |
| MARSHVLE_115KV_TB1 80742 | 40.59 4.06 0.00 | 37.79 3.44 0.00 | 35.08 3.01 0.00 | 34.28 2.92 0.00 | 33.10 2.68 0.00 | 34.75 3.04 0.00 | 37.68 3.49 0.00 | 41.84 4.11 0.00 | 45.97 4.29 0.00 | 52.04 4.69 0.00 | 55.30 4.98 0.00 | 63.14 5.69 0.00 | 68.12 6.02 0.00 | 74.03 6.67 0.00 | 81.31 7.32 0.00 | 94.90 8.46 -0.12 | 103.64 8.64 0.00 | 122.93 10.25 0.00 | 108.70 10.24 0.00 | 80.70 8.06 0.00 | 70.02 7.39 0.00 | 63.42 7.05 0.00 | 54.35 5.61 0.00 | 43.68 4.29 0.00 |
| MARSH_HILL_WT_PWR 323713 | 38.80 2.01 -0.26 | 35.96 1.44 -0.17 | 32.91 0.77 -0.07 | 32.26 0.85 -0.05 | 31.04 0.61 -0.01 | 32.90 1.14 -0.06 | 36.25 1.85 -0.22 | 40.62 2.57 -0.33 | 44.30 2.17 -0.46 | 50.59 2.56 -0.68 | 54.50 3.32 -0.86 | 62.55 3.96 -1.14 | 67.58 4.16 -1.32 | 73.55 4.78 -1.41 | 80.83 5.18 -1.67 | 93.39 4.92 -2.15 | 103.09 5.80 -2.30 | 121.81 6.53 -2.59 | 107.84 6.99 -2.39 | 80.13 5.81 -1.67 | 68.22 4.26 -1.33 | 61.58 4.11 -1.09 | 53.68 4.14 -0.79 | 43.04 3.23 -0.43 |
| MCINTYRE_115KV_TB2 80467 | 35.48 -1.06 0.00 | 34.04 -0.31 0.00 | 31.81 -0.26 0.00 | 31.12 -0.25 0.00 | 30.15 -0.27 0.00 | 31.55 -0.16 0.00 | 33.89 -0.31 0.00 | 36.74 -0.98 0.00 | 40.22 -1.46 0.00 | 45.70 -1.66 0.00 | 48.31 -2.01 0.00 | 54.93 -2.53 0.00 | 59.00 -3.11 0.00 | 63.79 -3.57 0.00 | 69.55 -4.44 0.00 | 81.05 -5.27 0.00 | 89.68 -5.32 0.00 | 106.60 -6.08 0.00 | 93.14 -5.32 0.00 | 69.37 -3.27 0.00 | 60.19 -2.44 0.00 | 54.29 -2.09 0.00 | 46.94 -1.80 0.00 | 38.08 -1.30 0.00 |
| MECO_____69_KV_BK1 80468 | 42.31 5.77 0.00 | 39.27 4.91 0.00 | 36.36 4.30 0.00 | 35.48 4.11 0.00 | 34.35 3.92 0.00 | 36.05 4.34 0.00 | 39.01 4.82 0.00 | 43.35 5.62 0.00 | 47.97 6.29 0.00 | 54.17 6.82 0.00 | 57.52 7.20 0.00 | 66.07 8.62 0.00 | 71.29 9.19 0.00 | 77.19 9.83 0.00 | 84.86 10.88 0.00 | 99.42 12.95 -0.15 | 109.06 14.06 0.00 | 130.37 17.69 0.00 | 114.61 16.15 0.00 | 84.99 12.35 0.00 | 73.21 10.58 0.00 | 66.07 9.70 0.00 | 56.40 7.65 0.00 | 45.21 5.83 0.00 |
| MENANDS___115KV_TB5 355628 | 38.11 1.57 0.00 | 35.66 1.31 0.00 | 33.28 1.22 0.00 | 32.56 1.19 0.00 | 31.64 1.22 0.00 | 32.85 1.14 0.00 | 35.36 1.16 0.00 | 39.20 1.47 0.00 | 43.34 1.67 0.00 | 49.25 1.89 0.00 | 52.08 1.76 0.00 | 59.35 1.90 0.00 | 64.09 1.99 0.00 | 69.51 2.16 0.00 | 76.50 2.52 0.00 | 89.92 3.37 -0.24 | 98.61 3.61 0.00 | 116.96 4.28 0.00 | 102.20 3.74 0.00 | 75.18 2.54 0.00 | 64.82 2.19 0.00 | 58.46 2.09 0.00 | 50.36 1.61 0.00 | 40.72 1.34 0.00 |
| MG INDUSTRY___DRP 24185 | 38.14 1.61 0.00 | 35.73 1.37 0.00 | 33.35 1.28 0.00 | 32.62 1.25 0.00 | 31.70 1.28 0.00 | 32.91 1.20 0.00 | 35.36 1.16 0.00 | 39.08 1.36 0.00 | 43.13 1.46 0.00 | 48.87 1.52 0.00 | 51.68 1.36 0.00 | 58.55 1.09 0.00 | 63.28 1.18 0.00 | 68.64 1.28 0.00 | 75.62 1.63 0.00 | 88.77 2.24 -0.21 | 97.38 2.37 0.00 | 115.61 2.93 0.00 | 101.22 2.76 0.00 | 74.60 1.96 0.00 | 64.44 1.82 0.00 | 58.41 2.03 0.00 | 50.40 1.66 0.00 | 40.76 1.38 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 36.77 -0.18 -0.41 | 34.69 0.07 -0.27 | 32.22 0.03 -0.12 | 31.47 0.03 -0.07 | 30.44 0.00 -0.01 | 31.93 0.13 -0.09 | 34.67 0.14 -0.34 | 38.10 -0.15 -0.53 | 41.78 -0.63 -0.73 | 47.78 -0.66 -1.09 | 50.73 -0.96 -1.37 | 57.95 -1.32 -1.81 | 62.46 -1.74 -2.10 | 67.64 -1.95 -2.24 | 74.20 -2.44 -2.65 | 86.73 -3.02 -3.43 | 95.71 -2.94 -3.66 | 113.66 -3.16 -4.13 | 99.61 -2.66 -3.80 | 73.93 -1.38 -2.67 | 63.69 -1.06 -2.12 | 57.43 -0.68 -1.73 | 49.48 -0.54 -1.27 | 39.79 -0.28 -0.68 |
| MID___RAQUETTE_HYD 23851 | 35.25 -1.50 -0.21 | 33.70 -0.79 -0.14 | 31.42 -0.71 -0.06 | 30.71 -0.69 -0.04 | 29.73 -0.70 -0.01 | 31.12 -0.63 -0.05 | 33.58 -0.79 -0.17 | 36.52 -1.47 -0.27 | 39.84 -2.21 -0.37 | 45.39 -2.51 -0.55 | 48.14 -2.87 -0.69 | 54.75 -3.62 -0.91 | 58.88 -4.28 -1.06 | 63.70 -4.78 -1.13 | 69.48 -5.85 -1.34 | 81.31 -6.73 -1.73 | 89.72 -7.13 -1.85 | 106.54 -8.23 -2.08 | 93.09 -7.29 -1.92 | 69.12 -4.87 -1.35 | 59.88 -3.82 -1.07 | 54.04 -3.21 -0.87 | 46.75 -2.63 -0.64 | 37.84 -1.89 -0.34 |
| MILLIKEN___1 23584 | 38.80 1.50 -0.77 | 35.85 1.00 -0.50 | 33.15 0.87 -0.22 | 32.35 0.85 -0.14 | 31.18 0.73 -0.02 | 32.83 0.95 -0.17 | 36.10 1.27 -0.64 | 40.44 1.74 -0.98 | 44.74 1.71 -1.36 | 51.31 1.94 -2.02 | 55.07 2.21 -2.53 | 63.46 2.64 -3.36 | 68.85 2.86 -3.90 | 74.74 3.23 -4.15 | 82.46 3.55 -4.92 | 96.48 3.80 -6.36 | 106.15 4.37 -6.78 | 125.75 5.41 -7.66 | 110.73 5.22 -7.05 | 81.80 4.21 -4.95 | 69.89 3.32 -3.94 | 62.58 2.99 -3.21 | 53.73 2.63 -2.35 | 42.58 1.93 -1.26 |
| MILLIKEN___2 23585 | 38.80 1.50 -0.77 | 35.85 1.00 -0.50 | 33.15 0.87 -0.22 | 32.35 0.85 -0.14 | 31.18 0.73 -0.02 | 32.83 0.95 -0.17 | 36.10 1.27 -0.64 | 40.44 1.74 -0.98 | 44.74 1.71 -1.36 | 51.31 1.94 -2.02 | 55.07 2.21 -2.53 | 63.46 2.64 -3.36 | 68.85 2.86 -3.90 | 74.74 3.23 -4.15 | 82.46 3.55 -4.92 | 96.48 3.80 -6.36 | 106.15 4.37 -6.78 | 125.75 5.41 -7.66 | 110.73 5.22 -7.05 | 81.80 4.21 -4.95 | 69.89 3.32 -3.94 | 62.58 2.99 -3.21 | 53.73 2.63 -2.35 | 42.58 1.93 -1.26 |
| MILLIKEN___DIESEL 23629 | 38.80 1.50 -0.77 | 35.85 1.00 -0.50 | 33.15 0.87 -0.22 | 32.35 0.85 -0.14 | 31.18 0.73 -0.02 | 32.83 0.95 -0.17 | 36.10 1.27 -0.64 | 40.44 1.74 -0.98 | 44.74 1.71 -1.36 | 51.31 1.94 -2.02 | 55.07 2.21 -2.53 | 63.46 2.64 -3.36 | 68.85 2.86 -3.90 | 74.74 3.23 -4.15 | 82.46 3.55 -4.92 | 96.48 3.80 -6.36 | 106.15 4.37 -6.78 | 125.75 5.41 -7.66 | 110.73 5.22 -7.05 | 81.80 4.21 -4.95 | 69.89 3.32 -3.94 | 62.58 2.99 -3.21 | 53.73 2.63 -2.35 | 42.58 1.93 -1.26 |
| MILLSEAT___LFGE 323607 | 37.71 1.17 0.00 | 34.87 0.52 0.00 | 31.84 -0.22 0.00 | 31.34 -0.03 0.00 | 30.03 -0.40 0.00 | 31.87 0.16 0.00 | 34.81 0.62 0.00 | 38.90 1.17 0.00 | 42.34 0.66 0.00 | 48.30 0.95 0.00 | 52.03 1.71 0.00 | 59.24 1.78 0.00 | 64.09 1.99 0.00 | 69.85 2.49 0.00 | 76.64 2.66 0.00 | 88.21 1.90 0.00 | 97.56 2.57 0.00 | 115.38 2.70 0.00 | 101.81 3.35 0.00 | 75.25 2.61 0.00 | 64.32 1.69 0.00 | 58.24 1.86 0.00 | 51.14 2.39 0.00 | 41.39 2.01 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 39.09 2.56 0.00 | 36.35 1.99 0.00 | 33.80 1.73 0.00 | 32.97 1.60 0.00 | 32.04 1.61 0.00 | 33.29 1.59 0.00 | 36.21 2.02 0.00 | 40.33 2.60 0.00 | 44.84 3.17 0.00 | 50.81 3.46 0.00 | 54.20 3.87 0.00 | 62.05 4.60 0.00 | 67.50 5.40 0.00 | 73.29 5.93 0.00 | 80.79 6.81 0.00 | 96.45 8.63 -1.50 | 104.12 9.12 0.00 | 123.38 10.70 0.00 | 107.42 8.96 0.00 | 78.53 5.88 0.00 | 67.64 5.01 0.00 | 60.61 4.23 0.00 | 52.35 3.61 0.00 | 42.34 2.95 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 39.28 2.74 0.00 | 36.48 2.13 0.00 | 33.93 1.86 0.00 | 33.12 1.76 0.00 | 32.16 1.73 0.00 | 33.45 1.74 0.00 | 36.35 2.15 0.00 | 40.48 2.75 0.00 | 45.05 3.38 0.00 | 51.09 3.74 0.00 | 54.55 4.23 0.00 | 62.45 5.00 0.00 | 68.06 5.96 0.00 | 74.03 6.67 0.00 | 81.61 7.62 0.00 | 97.40 9.58 -1.50 | 105.26 10.26 0.00 | 124.74 12.06 0.00 | 108.60 10.14 0.00 | 79.32 6.68 0.00 | 68.33 5.70 0.00 | 61.11 4.74 0.00 | 52.65 3.90 0.00 | 42.57 3.19 0.00 |
| MODEL_CITY_ENERGY 24167 | 36.79 0.26 0.00 | 34.01 -0.34 0.00 | 30.98 -1.09 0.00 | 30.55 -0.82 0.00 | 29.18 -1.25 0.00 | 31.04 -0.67 0.00 | 33.82 -0.38 0.00 | 37.72 0.00 0.00 | 41.05 -0.62 0.00 | 46.83 -0.52 0.00 | 50.47 0.15 0.00 | 57.45 0.00 0.00 | 62.29 0.19 0.00 | 67.83 0.47 0.01 | 74.35 0.37 0.01 | 85.53 -0.78 0.01 | 94.52 -0.47 0.01 | 111.55 -1.13 0.01 | 98.55 0.10 0.01 | 72.78 0.15 0.01 | 62.19 -0.44 0.00 | 56.43 0.06 0.00 | 49.77 1.03 0.00 | 40.37 0.99 0.00 |
| MODERN_LFGE___ 323580 | 36.79 0.26 0.00 | 34.01 -0.34 0.00 | 30.98 -1.09 0.00 | 30.55 -0.82 0.00 | 29.18 -1.25 0.00 | 31.04 -0.67 0.00 | 33.82 -0.38 0.00 | 37.72 0.00 0.00 | 41.05 -0.62 0.00 | 46.83 -0.52 0.00 | 50.47 0.15 0.00 | 57.45 0.00 0.00 | 62.29 0.19 0.00 | 67.83 0.47 0.01 | 74.35 0.37 0.01 | 85.53 -0.78 0.01 | 94.52 -0.47 0.01 | 111.55 -1.13 0.01 | 98.55 0.10 0.01 | 72.78 0.15 0.01 | 62.19 -0.44 0.00 | 56.43 0.06 0.00 | 49.77 1.03 0.00 | 40.37 0.99 0.00 |
| MOHAWK_PAPER___DRP 24187 | 38.36 1.83 0.00 | 35.90 1.55 0.00 | 33.48 1.41 0.00 | 32.72 1.35 0.00 | 31.80 1.37 0.00 | 33.04 1.33 0.00 | 35.56 1.37 0.00 | 39.42 1.70 0.00 | 43.63 1.96 0.00 | 49.58 2.23 0.00 | 52.44 2.11 0.00 | 59.75 2.30 0.00 | 64.58 2.48 0.00 | 69.98 2.63 0.00 | 77.10 3.11 0.00 | 90.52 3.97 -0.24 | 99.37 4.37 0.00 | 117.98 5.30 0.00 | 103.09 4.63 0.00 | 75.84 3.20 0.00 | 65.38 2.76 0.00 | 58.91 2.54 0.00 | 50.75 2.00 0.00 | 41.00 1.61 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 39.46 2.92 0.00 | 36.79 2.44 0.00 | 34.18 2.12 0.00 | 33.37 2.01 0.00 | 32.40 1.98 0.00 | 33.74 2.03 0.00 | 36.38 2.19 0.00 | 40.33 2.60 0.00 | 44.88 3.21 0.00 | 51.00 3.65 0.00 | 53.69 3.37 0.00 | 61.48 4.02 0.00 | 66.45 4.35 0.00 | 71.47 4.11 0.00 | 78.65 4.66 0.00 | 92.49 5.96 -0.22 | 102.32 7.32 0.00 | 122.15 9.47 0.00 | 107.32 8.86 0.00 | 79.03 6.39 0.00 | 68.08 5.45 0.00 | 61.23 4.85 0.00 | 52.35 3.61 0.00 | 42.18 2.80 0.00 |
| MONGAUP___HYD 23641 | 39.13 2.59 0.00 | 36.55 2.20 0.00 | 33.83 1.76 0.00 | 33.00 1.63 0.00 | 32.07 1.64 0.00 | 33.32 1.62 0.00 | 36.18 1.98 0.00 | 40.03 2.30 0.00 | 44.38 2.71 0.00 | 50.34 2.99 0.00 | 53.59 3.27 0.00 | 61.30 3.85 0.00 | 66.45 4.35 0.00 | 72.00 4.64 0.00 | 79.24 5.25 0.00 | 91.02 5.95 1.25 | 101.46 6.46 0.00 | 118.76 6.08 0.00 | 105.35 6.89 0.00 | 77.87 5.23 0.00 | 66.89 4.26 0.00 | 60.21 3.84 0.00 | 52.21 3.46 0.00 | 42.06 2.68 0.00 |
| MONTAUK___DIESEL 23721 | 79.94 4.64 -38.76 | 53.26 3.95 -14.96 | 46.90 3.30 -11.54 | 42.34 3.07 -7.90 | 41.73 3.01 -8.29 | 42.67 3.17 -7.79 | 45.10 3.86 -7.04 | 48.35 5.06 -5.57 | 66.92 6.58 -18.66 | 90.36 7.81 -35.20 | 72.72 8.71 -13.69 | 141.03 10.28 -73.30 | 271.41 11.67 -197.64 | 286.88 10.84 -208.68 | 274.85 12.36 -188.51 | 281.46 15.11 -180.04 | 297.53 15.96 -186.57 | 289.29 19.16 -157.46 | 271.21 17.53 -155.22 | 255.73 11.84 -171.25 | 276.12 10.46 -203.04 | 220.62 9.98 -154.26 | 72.94 8.53 -15.66 | 66.56 6.77 -20.40 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 39.13 2.59 0.00 | 35.49 1.13 0.00 | 33.09 1.03 0.00 | 32.40 1.04 0.00 | 31.19 0.76 0.00 | 33.04 1.33 0.00 | 36.31 2.12 0.00 | 40.78 3.06 0.00 | 44.59 2.92 0.00 | 50.67 3.31 0.00 | 54.60 4.28 0.00 | 62.22 4.77 0.00 | 67.63 5.53 0.00 | 73.83 6.47 0.00 | 80.95 6.95 0.00 | 92.97 6.65 0.00 | 102.22 7.22 0.00 | 121.02 8.34 0.00 | 106.83 8.37 0.00 | 79.55 6.90 0.00 | 67.70 5.07 0.00 | 61.11 4.74 0.00 | 53.62 4.87 0.00 | 43.24 3.86 0.00 |

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| MORTIMER_115KV_TB3 55949 | 37.27 0.73 0.00 | 34.28 -0.07 0.00 | 31.91 -0.16 0.00 | 31.24 -0.13 0.00 | 30.12 -0.30 0.00 | 31.71 0.00 0.00 | 34.60 0.41 0.00 | 38.55 0.83 0.00 | 42.26 0.58 0.00 | 48.16 0.80 0.00 | 51.58 1.26 0.00 | 58.72 1.26 0.00 | 63.65 1.55 0.00 | 69.18 1.82 0.00 | 76.06 2.07 0.00 | 87.96 1.64 0.00 | 97.00 2.00 0.00 | 114.93 2.25 0.00 | 100.92 2.46 0.00 | 74.75 2.11 0.00 | 63.88 1.25 0.00 | 57.67 1.30 0.00 | 50.36 1.61 0.00 | 40.61 1.22 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.48 2.29 0.00 | 40.78 3.06 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.82 6.17 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 41.33 4.31 -0.49 | 38.48 3.81 -0.32 | 35.38 3.18 -0.14 | 34.59 3.14 -0.09 | 33.24 2.80 -0.02 | 35.11 3.30 -0.11 | 38.49 3.90 -0.40 | 43.02 4.68 -0.62 | 47.16 4.63 -0.86 | 54.07 5.44 -1.28 | 57.66 5.73 -1.60 | 66.53 6.95 -2.13 | 71.58 7.02 -2.46 | 77.73 7.74 -2.63 | 85.61 8.51 -3.12 | 99.52 9.24 -3.96 | 110.21 10.92 -4.29 | 131.04 13.52 -4.85 | 115.72 12.79 -4.46 | 85.80 10.03 -3.13 | 73.32 8.20 -2.49 | 66.08 7.67 -2.03 | 56.86 6.63 -1.48 | 45.50 5.31 -0.80 |
| N SALMON___HYD 24042 | 35.66 -0.88 0.00 | 33.87 -0.48 0.00 | 31.94 -0.13 0.00 | 31.21 -0.16 0.00 | 30.27 -0.15 0.00 | 31.67 -0.03 0.00 | 34.06 -0.14 0.00 | 37.20 -0.53 0.00 | 40.88 -0.79 0.00 | 46.41 -0.95 0.00 | 49.17 -1.16 0.00 | 55.27 -2.18 0.00 | 59.61 -2.49 0.00 | 64.53 -2.83 0.00 | 69.62 -4.37 0.00 | 81.40 -4.92 0.00 | 89.96 -5.04 0.00 | 106.94 -5.74 0.00 | 93.14 -5.32 0.00 | 68.94 -3.70 0.00 | 60.69 -1.94 0.00 | 55.14 -1.24 0.00 | 47.48 -1.27 0.00 | 38.36 -1.02 0.00 |
| N.AKRON___115KV_KNAPP 355671 | 37.71 1.17 0.00 | 34.35 0.00 0.00 | 31.97 -0.10 0.00 | 31.21 -0.16 0.00 | 30.03 -0.40 0.00 | 31.87 0.16 0.00 | 34.81 0.62 0.00 | 38.89 1.17 0.00 | 42.43 0.75 0.00 | 48.30 0.95 0.00 | 51.93 1.61 0.00 | 59.06 1.61 0.00 | 64.09 1.99 0.00 | 69.85 2.49 0.00 | 76.65 2.66 0.00 | 88.13 1.81 0.00 | 97.18 2.18 0.00 | 115.27 2.59 0.00 | 101.61 3.15 0.00 | 75.47 2.83 0.00 | 64.32 1.69 0.00 | 58.24 1.86 0.00 | 51.18 2.44 0.00 | 41.43 2.05 0.00 |
| N.BELMOR_69_KV_BK1 55787 | 78.81 3.51 -38.76 | 52.13 2.82 -14.96 | 46.10 2.50 -11.54 | 41.62 2.35 -7.90 | 41.06 2.34 -8.29 | 41.84 2.35 -7.79 | 44.11 2.87 -7.04 | 46.92 3.62 -5.57 | 64.58 4.25 -18.66 | 87.18 4.64 -35.19 | 63.07 5.08 -7.66 | 69.13 6.03 -5.64 | 79.89 6.96 -10.84 | 82.36 7.68 -7.32 | 91.89 8.80 -9.10 | 244.54 10.96 -147.26 | 302.49 11.69 -195.80 | 292.68 13.63 -166.37 | 171.32 11.62 -61.24 | 80.20 7.55 0.00 | 80.34 6.58 -11.14 | 75.35 5.75 -13.22 | 63.24 4.92 -9.57 | 61.66 3.98 -18.30 |
| N.E._GEN_SANDY PD 24062 | 38.66 2.12 0.00 | 36.24 1.89 0.00 | 33.54 1.48 0.00 | 32.81 1.44 0.00 | 31.92 1.49 0.00 | 33.10 1.39 0.00 | 35.83 1.64 0.00 | 39.76 2.04 0.00 | 44.09 2.42 0.00 | 50.10 2.75 0.00 | 53.09 2.77 0.00 | 60.67 3.22 0.00 | 65.64 3.54 0.00 | 71.20 3.84 0.00 | 78.50 4.51 0.00 | 92.70 5.95 -0.43 | 101.17 6.17 0.00 | 120.00 7.32 0.00 | 107.65 6.31 -2.88 | 100.00 4.28 -23.07 | 80.00 3.63 -13.74 | 58.29 3.04 1.13 | 47.72 2.53 3.56 | 37.96 2.16 3.59 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 38.95 2.41 0.00 | 36.17 1.82 0.00 | 33.67 1.60 0.00 | 32.87 1.51 0.00 | 31.95 1.52 0.00 | 33.16 1.46 0.00 | 36.07 1.88 0.00 | 40.06 2.34 0.00 | 44.55 2.88 0.00 | 50.57 3.22 0.00 | 53.94 3.62 0.00 | 61.71 4.25 0.00 | 67.13 5.03 0.00 | 72.81 5.46 0.00 | 80.20 6.21 0.00 | 92.05 7.94 2.21 | 103.46 8.46 0.00 | 122.60 9.92 0.00 | 106.73 8.27 0.00 | 78.09 5.45 0.00 | 67.26 4.63 0.00 | 60.27 3.89 0.00 | 52.06 3.31 0.00 | 42.06 2.68 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 39.76 3.22 -0.01 | 36.90 2.54 -0.01 | 34.22 2.15 -0.01 | 33.38 2.01 -0.01 | 32.41 1.98 -0.01 | 33.71 2.00 -0.01 | 36.83 2.63 -0.01 | 41.20 3.47 -0.01 | 45.77 4.08 -0.01 | 51.57 4.21 0.00 | 55.06 4.73 -0.01 | 62.92 5.46 -0.01 | 68.26 6.15 -0.01 | 74.03 6.67 -0.01 | 81.76 7.77 -0.01 | 97.54 9.93 -1.29 | 108.84 9.97 -3.87 | 128.03 11.61 -3.74 | 108.22 9.75 -0.01 | 78.75 6.10 -0.01 | 68.15 5.51 -0.01 | 61.06 4.68 -0.01 | 53.14 4.39 -0.01 | 43.21 3.82 -0.01 |
| N.TROY___115KV_TB1 355778 | 38.51 1.97 0.00 | 35.97 1.61 0.00 | 33.51 1.44 0.00 | 32.78 1.41 0.00 | 31.86 1.43 0.00 | 33.07 1.36 0.00 | 35.66 1.47 0.00 | 39.57 1.85 0.00 | 43.84 2.17 0.00 | 49.82 2.46 0.00 | 52.69 2.37 0.00 | 60.15 2.70 0.00 | 65.02 2.92 0.00 | 70.46 3.10 0.00 | 77.61 3.63 0.00 | 91.30 4.75 -0.24 | 100.22 5.22 0.00 | 118.99 6.31 0.00 | 104.07 5.61 0.00 | 76.56 3.92 0.00 | 66.01 3.38 0.00 | 59.37 2.99 0.00 | 51.04 2.29 0.00 | 41.28 1.89 0.00 |
| NARROWS_GT1_1 24228 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT1_2 24229 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT1_3 24230 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT1_4 24231 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT1_5 24232 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-------------------------|-------------------------|------------------------|------------------------|---------------------------|-------------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|------------------------|
| NARROWS_GT1_6 24233 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT1_7 24234 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT1_8 24235 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_1 24236 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_2 24237 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_3 24238 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_4 24239 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_5 24240 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_6 24241 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_7 24242 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NARROWS_GT2_8 24243 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.41 5.63 -19.32 | 80.16 6.46 -11.60 | 80.10 7.00 -5.74 | 82.26 8.21 -0.06 | 116.49 10.27 -19.90 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.73 5.76 -17.35 | 150.27 4.85 -89.04 | 75.99 4.63 -22.61 | 50.60 3.98 -7.24 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 39.13 2.59 0.00 | 36.55 2.20 0.00 | 34.15 2.08 0.00 | 33.37 2.01 0.00 | 32.40 1.98 0.00 | 33.64 1.93 0.00 | 36.11 1.91 0.00 | 39.57 1.85 0.00 | 43.55 1.88 0.00 | 49.44 2.08 0.00 | 52.13 1.81 0.00 | 58.83 1.38 0.00 | 63.47 1.37 0.00 | 68.64 1.28 0.00 | 75.39 1.41 0.00 | 89.67 3.19 -0.16 | 97.56 2.56 0.00 | 116.29 3.61 0.00 | 102.00 3.54 0.00 | 75.26 2.62 0.00 | 64.82 2.19 0.00 | 59.20 2.82 0.00 | 51.14 2.39 0.00 | 41.24 1.85 0.00 |
| NCHELSEA_115KV_TR2 355582 | 39.50 2.96 0.00 | 36.69 2.34 0.00 | 34.12 2.05 0.00 | 33.28 1.91 0.00 | 32.34 1.92 0.00 | 33.61 1.90 0.00 | 36.48 2.29 0.00 | 40.52 2.79 0.00 | 45.01 3.33 0.00 | 51.14 3.79 0.00 | 54.55 4.23 0.00 | 62.34 4.88 0.00 | 67.75 5.65 0.00 | 73.42 6.06 0.00 | 80.79 6.81 0.00 | 95.02 8.63 -0.07 | 104.21 9.21 0.00 | 123.61 10.93 0.00 | 107.72 9.26 0.00 | 78.82 6.17 0.00 | 67.83 5.20 0.00 | 60.94 4.57 0.00 | 52.65 3.90 0.00 | 42.50 3.11 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 39.20 2.67 0.00 | 36.76 2.40 0.00 | 34.02 1.96 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.58 1.87 0.00 | 36.25 2.05 0.00 | 40.18 2.45 0.00 | 44.59 2.92 0.00 | 50.67 3.31 0.00 | 53.59 3.27 0.00 | 61.36 3.91 0.00 | 66.33 4.22 0.00 | 71.73 4.38 0.00 | 79.02 5.03 0.00 | 92.84 6.30 -0.23 | 102.13 7.13 0.00 | 121.58 8.90 0.00 | 106.34 7.88 0.00 | 78.38 5.74 0.00 | 67.45 4.82 0.00 | 60.55 4.17 0.00 | 52.01 3.27 0.00 | 41.98 2.60 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 36.61 0.07 0.00 | 34.11 -0.24 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.70 -0.73 0.00 | 31.23 -0.47 0.00 | 34.06 -0.14 0.00 | 37.99 0.27 0.00 | 41.63 -0.04 0.00 | 47.50 0.14 0.00 | 50.93 0.61 0.00 | 58.15 0.69 0.00 | 62.85 0.75 0.00 | 68.30 0.94 0.00 | 75.02 1.04 0.00 | 86.93 0.61 0.00 | 96.14 1.14 0.00 | 113.69 1.01 0.00 | 99.74 1.28 0.00 | 73.66 1.02 0.00 | 63.07 0.44 0.00 | 56.88 0.51 0.00 | 49.52 0.78 0.00 | 39.86 0.47 0.00 |

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|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| NEG CENTRAL___DRP 24199 | 38.31 0.99 -0.78 | 35.24 0.38 -0.51 | 32.58 0.29 -0.22 | 31.79 0.28 -0.14 | 30.63 0.18 -0.02 | 32.36 0.48 -0.18 | 35.70 0.85 -0.65 | 40.05 1.32 -1.00 | 44.18 1.13 -1.38 | 50.74 1.33 -2.06 | 54.56 1.66 -2.58 | 62.84 1.95 -3.43 | 68.24 2.17 -3.97 | 74.08 2.49 -4.23 | 81.74 2.74 -5.02 | 95.22 2.42 -6.48 | 104.29 2.37 -6.91 | 123.42 2.93 -7.81 | 108.70 3.05 -7.19 | 80.88 3.20 -5.04 | 68.90 2.25 -4.02 | 61.68 2.03 -3.28 | 53.04 1.90 -2.39 | 42.01 1.34 -1.29 |
| NEG CENTRAL___INDECK 23768 | 38.99 2.45 0.00 | 36.21 1.85 0.00 | 33.25 1.19 0.00 | 32.56 1.19 0.00 | 31.37 0.94 0.00 | 33.17 1.46 0.00 | 36.21 2.02 0.00 | 40.14 2.42 0.00 | 42.09 0.42 0.00 | 47.83 0.47 0.00 | 51.28 0.95 0.00 | 58.49 1.04 0.00 | 60.73 -1.37 0.00 | 66.15 -1.21 0.00 | 72.73 -1.26 0.00 | 83.99 -2.33 0.00 | 93.10 -1.90 0.00 | 110.66 -2.02 0.00 | 98.56 0.10 0.00 | 73.66 1.02 0.00 | 63.07 0.44 0.00 | 59.14 2.76 0.00 | 51.57 2.83 0.00 | 42.73 3.35 0.00 |
| NEG CENTRAL___SENECA 23627 | 38.30 1.35 -0.41 | 35.21 0.58 -0.27 | 32.67 0.48 -0.12 | 31.91 0.47 -0.07 | 30.77 0.33 -0.01 | 32.50 0.70 -0.09 | 35.73 1.20 -0.34 | 40.03 1.77 -0.53 | 43.87 1.46 -0.73 | 50.15 1.70 -1.09 | 53.85 2.16 -1.37 | 61.80 2.53 -1.81 | 67.00 2.79 -2.10 | 72.83 3.23 -2.24 | 80.20 3.55 -2.66 | 92.77 3.02 -3.43 | 101.41 2.75 -3.66 | 120.31 3.49 -4.13 | 105.91 3.64 -3.81 | 79.45 4.14 -2.67 | 67.70 2.94 -2.13 | 60.76 2.65 -1.73 | 52.55 2.53 -1.27 | 41.88 1.81 -0.68 |
| NEG CENTRAL___STATE_STREET 24147 | 38.42 0.84 -1.04 | 35.44 0.41 -0.68 | 32.69 0.32 -0.30 | 31.84 0.28 -0.19 | 30.67 0.21 -0.03 | 32.35 0.41 -0.24 | 35.78 0.72 -0.87 | 40.23 1.17 -1.33 | 44.64 1.13 -1.84 | 51.47 1.37 -2.74 | 55.32 1.56 -3.44 | 63.92 1.90 -4.57 | 69.50 2.11 -5.29 | 75.35 2.36 -5.64 | 83.26 2.59 -6.69 | 97.63 2.68 -8.64 | 107.16 2.95 -9.21 | 126.58 3.49 -10.41 | 111.39 3.35 -9.58 | 82.12 2.76 -6.72 | 69.98 2.00 -5.35 | 62.60 1.86 -4.36 | 53.54 1.61 -3.19 | 42.20 1.10 -1.72 |
| NEG MILLWOOD___DRP 24198 | 39.68 3.14 0.00 | 36.83 2.47 0.00 | 34.28 2.21 0.00 | 33.44 2.07 0.00 | 32.46 2.04 0.00 | 33.77 2.06 0.00 | 36.66 2.46 0.00 | 40.74 3.02 0.00 | 45.43 3.75 0.00 | 51.52 4.17 0.00 | 55.15 4.83 0.00 | 63.14 5.69 0.00 | 68.99 6.89 0.00 | 75.17 7.81 0.00 | 82.79 8.80 0.00 | 97.74 10.96 -0.46 | 106.88 11.88 0.00 | 126.88 14.20 0.00 | 110.57 12.11 0.00 | 80.63 7.99 0.00 | 69.39 6.76 0.00 | 62.02 5.64 0.00 | 53.23 4.48 0.00 | 42.93 3.54 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 36.03 -0.51 0.00 | 34.49 0.14 0.00 | 32.23 0.16 0.00 | 31.49 0.13 0.00 | 30.55 0.12 0.00 | 31.96 0.25 0.00 | 34.40 0.21 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.97 -0.38 0.00 | 49.82 -0.50 0.00 | 56.82 -0.63 0.00 | 60.36 -1.74 0.00 | 65.40 -1.95 0.00 | 70.36 -3.63 0.00 | 82.26 -4.06 0.00 | 90.91 -4.09 0.00 | 108.06 -4.62 0.00 | 94.13 -4.33 0.00 | 70.39 -2.25 0.00 | 61.37 -1.25 0.00 | 55.02 -1.35 0.00 | 48.11 -0.63 0.00 | 38.83 -0.55 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 35.55 -0.99 0.00 | 34.04 -0.31 0.00 | 31.84 -0.22 0.00 | 31.12 -0.25 0.00 | 30.18 -0.24 0.00 | 31.52 -0.19 0.00 | 33.92 -0.27 0.00 | 37.01 -0.72 0.00 | 40.80 -0.88 0.00 | 46.26 -1.09 0.00 | 49.01 -1.31 0.00 | 55.90 -1.55 0.00 | 59.93 -2.17 0.00 | 64.87 -2.49 0.00 | 70.44 -3.55 0.00 | 82.35 -3.97 0.00 | 90.91 -4.09 0.00 | 108.06 -4.62 0.00 | 94.23 -4.23 0.00 | 70.10 -2.54 0.00 | 60.87 -1.75 0.00 | 54.63 -1.75 0.00 | 47.43 -1.32 0.00 | 38.28 -1.10 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 35.99 -0.55 0.00 | 34.46 0.10 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.40 0.21 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.93 -0.43 0.00 | 49.72 -0.60 0.00 | 56.71 -0.75 0.00 | 60.49 -1.61 0.00 | 65.54 -1.82 0.00 | 70.66 -3.33 0.00 | 82.61 -3.71 0.00 | 91.39 -3.61 0.00 | 108.62 -4.06 0.00 | 94.62 -3.84 0.00 | 70.75 -1.89 0.00 | 61.63 -1.00 0.00 | 55.19 -1.18 0.00 | 48.06 -0.68 0.00 | 38.79 -0.59 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 35.99 -0.55 0.00 | 34.46 0.10 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.40 0.21 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.93 -0.43 0.00 | 49.72 -0.60 0.00 | 56.71 -0.75 0.00 | 60.49 -1.61 0.00 | 65.54 -1.82 0.00 | 70.66 -3.33 0.00 | 82.61 -3.71 0.00 | 91.39 -3.61 0.00 | 108.62 -4.06 0.00 | 94.62 -3.84 0.00 | 70.75 -1.89 0.00 | 61.63 -1.00 0.00 | 55.19 -1.18 0.00 | 48.06 -0.68 0.00 | 38.79 -0.59 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 35.99 -0.55 0.00 | 34.18 -0.17 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.37 0.17 0.00 | 37.57 -0.15 0.00 | 41.43 -0.25 0.00 | 46.93 -0.43 0.00 | 49.72 -0.60 0.00 | 55.33 -2.12 0.00 | 59.74 -2.36 0.00 | 64.73 -2.63 0.00 | 69.10 -4.89 0.00 | 80.79 -5.53 0.00 | 89.39 -5.61 0.00 | 106.26 -6.42 0.00 | 92.56 -5.91 0.00 | 68.43 -4.22 0.00 | 60.87 -1.75 0.00 | 55.87 -0.51 0.00 | 48.06 -0.68 0.00 | 38.79 -0.59 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 36.94 0.40 0.00 | 33.60 -0.76 0.00 | 31.26 -0.80 0.00 | 30.55 -0.82 0.00 | 29.36 -1.06 0.00 | 31.17 -0.54 0.00 | 34.06 -0.14 0.00 | 37.99 0.26 0.00 | 41.43 -0.25 0.00 | 47.16 -0.19 0.00 | 50.72 0.40 0.00 | 57.68 0.23 0.00 | 62.72 0.62 0.00 | 68.30 0.94 0.00 | 74.87 0.89 0.00 | 86.06 -0.26 0.00 | 94.71 -0.29 0.00 | 112.23 -0.45 0.00 | 98.95 0.49 0.00 | 73.51 0.87 0.00 | 62.69 0.06 0.00 | 56.83 0.45 0.00 | 50.11 1.36 0.00 | 40.72 1.34 0.00 |
| NEG WEST___LANCASTR 23811 | 38.14 1.61 0.00 | 34.66 0.31 0.00 | 32.32 0.26 0.00 | 31.65 0.28 0.00 | 30.49 0.06 0.00 | 32.25 0.54 0.00 | 35.36 1.16 0.00 | 39.57 1.85 0.00 | 43.26 1.58 0.00 | 49.20 1.85 0.00 | 52.94 2.62 0.00 | 60.44 2.99 0.00 | 65.76 3.66 0.00 | 71.61 4.24 -0.01 | 78.58 4.59 -0.01 | 90.56 4.23 -0.01 | 99.47 4.46 -0.01 | 117.87 5.18 -0.01 | 103.98 5.51 -0.01 | 77.44 4.79 -0.01 | 65.95 3.32 0.00 | 59.48 3.10 0.00 | 52.16 3.41 0.00 | 42.14 2.76 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 38.28 1.28 -0.46 | 35.65 1.00 -0.30 | 32.81 0.61 -0.13 | 32.08 0.63 -0.08 | 30.96 0.52 -0.01 | 32.54 0.73 -0.11 | 35.60 1.02 -0.39 | 39.83 1.51 -0.60 | 43.95 1.46 -0.82 | 50.33 1.75 -1.22 | 54.02 2.16 -1.54 | 62.14 2.64 -2.04 | 67.38 2.92 -2.36 | 73.17 3.30 -2.52 | 80.67 3.70 -2.98 | 93.99 3.89 -3.78 | 103.58 4.47 -4.11 | 122.51 5.19 -4.64 | 107.66 4.92 -4.27 | 79.49 3.85 -3.00 | 67.96 2.94 -2.39 | 60.92 2.59 -1.95 | 52.56 2.39 -1.42 | 41.96 1.81 -0.77 |
| NEG___GEN_MONROE 24207 | 37.71 1.17 0.00 | 34.66 0.31 0.00 | 32.23 0.16 0.00 | 31.49 0.13 0.00 | 30.40 -0.03 0.00 | 32.06 0.35 0.00 | 34.91 0.72 0.00 | 38.89 1.17 0.00 | 42.51 0.83 0.00 | 48.25 0.90 0.00 | 51.73 1.41 0.00 | 58.72 1.26 0.00 | 63.59 1.49 0.00 | 69.18 1.82 0.00 | 75.99 2.00 0.00 | 87.78 1.47 0.00 | 96.90 1.90 0.00 | 114.93 2.25 0.00 | 101.02 2.56 0.00 | 74.89 2.25 0.00 | 63.94 1.32 0.00 | 57.73 1.35 0.00 | 50.40 1.66 0.00 | 40.76 1.38 0.00 |
| NEPA___ENERGY 23901 | 38.11 1.57 0.00 | 34.63 0.27 0.00 | 32.32 0.26 0.00 | 31.65 0.28 0.00 | 30.49 0.06 0.00 | 32.25 0.54 0.00 | 35.36 1.16 0.00 | 39.57 1.85 0.00 | 43.26 1.58 0.00 | 49.25 1.89 0.00 | 53.04 2.72 0.00 | 60.50 3.05 0.00 | 65.76 3.66 0.00 | 71.74 4.38 0.00 | 78.73 4.74 0.00 | 90.64 4.32 0.00 | 99.85 4.84 0.00 | 118.43 5.75 0.00 | 104.47 6.01 0.00 | 77.73 5.08 0.00 | 66.20 3.57 0.00 | 59.65 3.27 0.00 | 52.26 3.51 0.00 | 42.10 2.72 0.00 |

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|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| NEVERSINK___HYD 23608 | 38.58 2.04 0.00 | 36.07 1.72 0.00 | 33.35 1.28 0.00 | 32.53 1.16 0.00 | 31.58 1.16 0.00 | 32.85 1.14 0.00 | 35.66 1.47 0.00 | 39.54 1.81 0.00 | 43.88 2.21 0.00 | 49.86 2.51 0.00 | 53.14 2.82 0.00 | 60.90 3.45 0.00 | 66.02 3.91 0.00 | 71.60 4.25 0.00 | 78.79 4.81 0.00 | 92.14 6.13 0.30 | 101.46 6.46 0.00 | 120.68 8.00 0.00 | 105.35 6.89 0.00 | 77.29 4.65 0.00 | 66.32 3.69 0.00 | 59.53 3.16 0.00 | 51.57 2.83 0.00 | 41.55 2.16 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 37.96 1.42 0.00 | 35.55 1.20 0.00 | 33.22 1.15 0.00 | 32.47 1.10 0.00 | 31.55 1.13 0.00 | 32.78 1.08 0.00 | 35.22 1.03 0.00 | 39.01 1.28 0.00 | 43.13 1.46 0.00 | 48.96 1.61 0.00 | 51.83 1.51 0.00 | 59.01 1.55 0.00 | 63.78 1.68 0.00 | 69.11 1.75 0.00 | 76.06 2.07 0.00 | 89.40 2.85 -0.23 | 98.04 3.04 0.00 | 116.17 3.49 0.00 | 101.51 3.05 0.00 | 74.68 2.03 0.00 | 64.44 1.82 0.00 | 58.13 1.75 0.00 | 50.11 1.36 0.00 | 40.53 1.14 0.00 |
| NEWTON___FALLS_HYD 23847 | 36.77 -0.18 -0.41 | 34.69 0.07 -0.27 | 32.22 0.03 -0.12 | 31.47 0.03 -0.07 | 30.44 0.00 -0.01 | 31.93 0.13 -0.09 | 34.67 0.14 -0.34 | 38.10 -0.15 -0.53 | 41.78 -0.63 -0.73 | 47.78 -0.66 -1.09 | 50.73 -0.96 -1.37 | 57.95 -1.32 -1.81 | 62.46 -1.74 -2.10 | 67.64 -1.95 -2.24 | 74.20 -2.44 -2.65 | 86.73 -3.02 -3.43 | 95.71 -2.94 -3.66 | 113.66 -3.16 -4.13 | 99.61 -2.66 -3.80 | 73.93 -1.38 -2.67 | 63.69 -1.06 -2.12 | 57.43 -0.68 -1.73 | 49.48 -0.54 -1.27 | 39.79 -0.28 -0.68 |
| NGRID_A1_DSASP 323792 | 36.36 -0.18 0.00 | 33.60 -0.76 0.00 | 30.98 -1.09 0.00 | 30.21 -1.16 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.61 0.00 | 37.38 -0.34 0.00 | 40.72 -0.96 0.00 | 46.41 -0.95 0.00 | 50.02 -0.30 0.00 | 56.88 -0.57 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.67 -1.64 0.00 | 93.48 -1.52 0.00 | 110.31 -2.37 0.00 | 97.48 -0.98 0.00 | 71.99 -0.66 0.00 | 61.62 -1.00 0.00 | 55.92 -0.45 0.00 | 49.33 0.59 0.00 | 40.01 0.63 0.00 |
| NGRID_A2_DSASP 323793 | 36.36 -0.18 0.00 | 33.60 -0.76 0.00 | 30.98 -1.09 0.00 | 30.21 -1.16 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.61 0.00 | 37.38 -0.34 0.00 | 40.72 -0.96 0.00 | 46.41 -0.95 0.00 | 50.02 -0.30 0.00 | 56.88 -0.57 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.67 -1.64 0.00 | 93.48 -1.52 0.00 | 110.31 -2.37 0.00 | 97.48 -0.98 0.00 | 71.99 -0.66 0.00 | 61.62 -1.00 0.00 | 55.92 -0.45 0.00 | 49.33 0.59 0.00 | 40.01 0.63 0.00 |
| NGRID_A4_DSASP 323807 | 36.36 -0.18 0.00 | 33.60 -0.76 0.00 | 30.98 -1.09 0.00 | 30.21 -1.16 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.61 0.00 | 37.38 -0.34 0.00 | 40.72 -0.96 0.00 | 46.41 -0.95 0.00 | 50.02 -0.30 0.00 | 56.88 -0.57 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.67 -1.64 0.00 | 93.48 -1.52 0.00 | 110.31 -2.37 0.00 | 97.48 -0.98 0.00 | 71.99 -0.66 0.00 | 61.62 -1.00 0.00 | 55.92 -0.45 0.00 | 49.33 0.59 0.00 | 40.01 0.63 0.00 |
| NIAGARA_115E_LBMP 323715 | 36.65 0.11 0.00 | 33.87 -0.48 0.00 | 30.81 -1.25 0.00 | 30.43 -0.94 0.00 | 29.03 -1.40 0.00 | 30.92 -0.79 0.00 | 33.65 -0.55 0.00 | 37.50 -0.22 0.00 | 40.84 -0.83 0.00 | 46.55 -0.81 0.00 | 50.22 -0.10 0.00 | 57.11 -0.34 0.00 | 61.91 -0.19 0.00 | 67.42 0.07 0.01 | 73.91 -0.07 0.01 | 85.02 -1.29 0.01 | 93.95 -1.04 0.01 | 110.87 -1.81 0.01 | 97.96 -0.49 0.01 | 72.42 -0.22 0.01 | 61.88 -0.75 0.00 | 56.15 -0.22 0.00 | 49.52 0.78 0.00 | 40.13 0.75 0.00 |
| NIAGARA_115W_LBMP 323714 | 36.24 -0.29 0.00 | 33.50 -0.86 0.00 | 30.88 -1.19 0.00 | 30.11 -1.26 0.00 | 29.15 -1.28 0.00 | 30.57 -1.14 0.00 | 33.47 -0.72 0.00 | 37.27 -0.45 0.00 | 40.59 -1.08 0.00 | 46.27 -1.09 0.00 | 49.87 -0.45 0.00 | 56.71 -0.75 0.00 | 61.48 -0.62 0.00 | 66.96 -0.40 0.00 | 73.39 -0.59 0.00 | 84.42 -1.90 0.00 | 93.19 -1.81 0.00 | 109.97 -2.71 0.00 | 97.18 -1.28 0.00 | 71.84 -0.80 0.00 | 61.44 -1.19 0.00 | 55.76 -0.62 0.00 | 49.18 0.44 0.00 | 39.90 0.51 0.00 |
| NIAGARA_230_LBMP 323716 | 36.72 0.18 0.00 | 33.98 -0.38 0.00 | 31.13 -0.93 0.00 | 30.55 -0.82 0.00 | 29.33 -1.09 0.00 | 31.04 -0.67 0.00 | 33.96 -0.24 0.00 | 37.80 0.08 0.00 | 41.18 -0.50 0.00 | 46.93 -0.43 0.00 | 50.63 0.30 0.00 | 57.57 0.12 0.00 | 62.41 0.31 0.00 | 67.89 0.54 0.00 | 74.51 0.52 0.00 | 85.72 -0.60 0.00 | 94.72 -0.28 0.00 | 111.77 -0.91 0.00 | 98.76 0.30 0.00 | 73.01 0.37 0.00 | 62.38 -0.25 0.00 | 56.60 0.23 0.00 | 49.87 1.12 0.00 | 40.37 0.99 0.00 |
| NIAGARA___115KV_198_GIBSON 55903 | 36.24 -0.29 0.00 | 32.94 -1.41 0.00 | 30.69 -1.38 0.00 | 30.30 -1.07 0.00 | 29.15 -1.28 0.00 | 30.57 -1.14 0.00 | 33.48 -0.72 0.00 | 37.27 -0.45 0.00 | 40.68 -1.00 0.00 | 46.26 -1.09 0.00 | 49.77 -0.55 0.00 | 56.54 -0.92 0.00 | 61.48 -0.62 0.00 | 66.89 -0.47 0.00 | 73.47 -0.52 0.00 | 84.33 -1.99 0.00 | 92.91 -2.09 0.00 | 109.98 -2.70 0.00 | 96.98 -1.48 0.00 | 72.06 -0.58 0.00 | 61.44 -1.19 0.00 | 55.76 -0.62 0.00 | 49.19 0.44 0.00 | 39.90 0.51 0.00 |
| NIAGARA____ 23760 | 36.72 0.18 0.00 | 33.98 -0.38 0.00 | 31.13 -0.93 0.00 | 30.55 -0.82 0.00 | 29.33 -1.09 0.00 | 31.04 -0.67 0.00 | 33.96 -0.24 0.00 | 37.80 0.08 0.00 | 41.18 -0.50 0.00 | 46.93 -0.43 0.00 | 50.63 0.30 0.00 | 57.57 0.12 0.00 | 62.41 0.31 0.00 | 67.89 0.54 0.00 | 74.51 0.52 0.00 | 85.72 -0.60 0.00 | 94.71 -0.28 0.00 | 111.77 -0.91 0.00 | 98.75 0.30 0.00 | 73.00 0.37 0.00 | 62.38 -0.25 0.00 | 56.60 0.23 0.00 | 49.87 1.12 0.00 | 40.37 0.99 0.00 |
| NINE_MILE_1 23575 | 28.79 -0.73 7.01 | 28.99 -0.79 4.57 | 29.16 -0.90 2.01 | 29.24 -0.88 1.25 | 29.33 -0.88 0.22 | 29.29 -0.82 1.59 | 27.58 -0.79 5.82 | 28.02 -0.72 8.99 | 28.37 -0.92 12.39 | 27.91 -1.00 18.45 | 26.21 -0.96 23.16 | 25.67 -1.03 30.75 | 25.38 -1.12 35.60 | 28.26 -1.15 37.95 | 27.73 -1.26 45.00 | 26.54 -1.64 58.13 | 31.29 -1.71 62.00 | 40.61 -2.02 70.04 | 32.31 -1.67 64.48 | 26.25 -1.17 45.22 | 25.41 -1.19 36.02 | 25.98 -1.01 29.38 | 26.47 -0.83 21.45 | 27.12 -0.71 11.55 |
| NINE_MILE_2 23744 | 28.69 -0.73 7.12 | 28.92 -0.79 4.64 | 29.13 -0.90 2.04 | 29.22 -0.88 1.27 | 29.32 -0.88 0.22 | 29.27 -0.82 1.61 | 27.50 -0.79 5.91 | 27.89 -0.72 9.12 | 28.18 -0.92 12.58 | 27.63 -1.00 18.73 | 25.86 -0.96 23.51 | 25.21 -1.03 31.21 | 24.85 -1.12 36.14 | 27.69 -1.15 38.52 | 27.05 -1.26 45.68 | 25.66 -1.64 59.01 | 30.35 -1.71 62.94 | 39.56 -2.02 71.10 | 31.34 -1.67 65.45 | 25.57 -1.17 45.91 | 24.87 -1.19 36.56 | 25.54 -1.01 29.82 | 26.15 -0.83 21.77 | 26.95 -0.71 11.73 |
| NM_CAPITAL___DRP 24208 | 38.04 1.50 0.00 | 35.59 1.24 0.00 | 33.25 1.19 0.00 | 32.50 1.13 0.00 | 31.58 1.16 0.00 | 32.78 1.08 0.00 | 35.29 1.09 0.00 | 39.08 1.36 0.00 | 43.22 1.54 0.00 | 49.10 1.75 0.00 | 51.93 1.61 0.00 | 59.18 1.72 0.00 | 63.90 1.80 0.00 | 69.31 1.95 0.00 | 76.28 2.29 0.00 | 89.66 3.11 -0.24 | 98.32 3.32 0.00 | 116.51 3.83 0.00 | 101.81 3.35 0.00 | 74.89 2.25 0.00 | 64.57 1.94 0.00 | 58.29 1.92 0.00 | 50.21 1.46 0.00 | 40.61 1.22 0.00 |
| NM_CENTRAL___DRP 24181 | 37.44 0.22 -0.68 | 34.66 -0.14 -0.44 | 32.10 -0.16 -0.20 | 31.33 -0.16 -0.12 | 30.23 -0.21 -0.02 | 31.77 -0.10 -0.15 | 34.83 0.07 -0.57 | 38.86 0.26 -0.87 | 43.09 0.21 -1.20 | 49.48 0.33 -1.79 | 53.07 0.50 -2.25 | 61.07 0.63 -2.99 | 66.30 0.75 -3.46 | 71.92 0.88 -3.69 | 79.32 0.96 -4.37 | 92.83 0.86 -5.65 | 102.07 1.04 -6.02 | 120.72 1.24 -6.80 | 106.11 1.18 -6.47 | 78.41 0.94 -4.83 | 66.69 0.56 -3.50 | 59.80 0.56 -2.85 | 51.37 0.54 -2.08 | 40.82 0.32 -1.12 |

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| NM_FRONTIER___DRP 24179 | 36.24 -0.29 0.00 | 32.94 -1.41 0.00 | 30.69 -1.38 0.00 | 30.30 -1.07 0.00 | 29.15 -1.28 0.00 | 30.57 -1.14 0.00 | 33.48 -0.72 0.00 | 37.27 -0.45 0.00 | 40.68 -1.00 0.00 | 46.26 -1.09 0.00 | 49.77 -0.55 0.00 | 56.54 -0.92 0.00 | 61.48 -0.62 0.00 | 66.89 -0.47 0.00 | 73.47 -0.52 0.00 | 84.33 -1.99 0.00 | 92.91 -2.09 0.00 | 109.98 -2.70 0.00 | 96.98 -1.48 0.00 | 72.06 -0.58 0.00 | 61.44 -1.19 0.00 | 55.76 -0.62 0.00 | 49.19 0.44 0.00 | 39.90 0.51 0.00 |
| NM_ST_REGIS___HYD 24053 | 35.15 -1.39 0.00 | 33.67 -0.69 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.85 -0.58 0.00 | 31.20 -0.51 0.00 | 33.54 -0.65 0.00 | 36.44 -1.28 0.00 | 39.80 -1.88 0.00 | 45.17 -2.18 0.00 | 47.81 -2.52 0.00 | 54.29 -3.16 0.00 | 58.31 -3.79 0.00 | 63.05 -4.31 0.00 | 68.66 -5.33 0.00 | 80.10 -6.21 0.00 | 88.54 -6.46 0.00 | 105.24 -7.44 0.00 | 91.76 -6.70 0.00 | 68.28 -4.36 0.00 | 59.25 -3.38 0.00 | 53.50 -2.88 0.00 | 46.36 -2.39 0.00 | 37.65 -1.73 0.00 |
| NORTHPORT___1 23551 | 78.66 3.36 -38.76 | 52.30 2.99 -14.96 | 45.97 2.37 -11.54 | 41.55 2.29 -7.90 | 41.03 2.31 -8.29 | 41.78 2.28 -7.79 | 44.11 2.87 -7.04 | 46.88 3.59 -5.57 | 64.59 4.25 -18.66 | 87.27 4.73 -35.19 | 61.80 4.33 -7.15 | 62.66 5.11 -0.09 | 62.73 5.96 5.33 | 63.72 6.47 10.10 | 73.40 7.47 8.06 | 102.28 9.33 -6.64 | 123.53 9.41 -19.12 | 150.84 11.16 -27.00 | 145.55 9.75 -37.34 | 83.58 6.61 -4.33 | 84.26 5.64 -15.99 | 62.96 4.51 -2.07 | 62.01 4.10 -9.17 | 60.85 3.35 -18.12 |
| NORTHPORT___2 23552 | 78.66 3.36 -38.76 | 52.30 2.99 -14.96 | 45.97 2.37 -11.54 | 41.55 2.29 -7.90 | 41.03 2.31 -8.29 | 41.78 2.28 -7.79 | 44.11 2.87 -7.04 | 46.88 3.59 -5.57 | 64.59 4.25 -18.66 | 87.27 4.73 -35.19 | 61.80 4.33 -7.15 | 62.66 5.11 -0.09 | 62.73 5.96 5.33 | 63.72 6.47 10.10 | 64.19 7.47 17.27 | 64.42 9.33 31.22 | 123.53 9.41 -19.12 | 97.22 11.16 26.62 | 99.61 9.75 8.60 | 64.43 6.61 14.82 | 62.79 5.64 5.47 | 61.91 4.51 -1.02 | 62.01 4.10 -9.17 | 60.85 3.35 -18.12 |
| NORTHPORT___3 23553 | 78.15 2.85 -38.76 | 51.82 2.51 -14.96 | 45.53 1.92 -11.54 | 41.05 1.79 -7.90 | 40.51 1.79 -8.29 | 41.27 1.77 -7.79 | 43.53 2.29 -7.04 | 46.27 2.98 -5.57 | 63.96 3.62 -18.66 | 86.56 4.02 -35.18 | 62.04 4.58 -7.14 | 62.96 5.06 -0.45 | 63.10 6.34 5.34 | 63.71 6.47 10.11 | 64.11 7.40 17.28 | 64.41 9.33 31.23 | 123.10 9.69 -18.41 | 96.75 11.38 27.31 | 99.40 9.55 8.61 | 64.42 6.61 14.83 | 63.10 5.95 5.48 | 62.35 4.96 -1.01 | 62.23 4.19 -9.29 | 61.20 3.70 -18.11 |
| NORTHPORT___4 23650 | 78.15 2.85 -38.76 | 51.82 2.51 -14.96 | 45.53 1.92 -11.54 | 41.05 1.79 -7.90 | 40.51 1.79 -8.29 | 41.27 1.77 -7.79 | 43.53 2.29 -7.04 | 46.27 2.98 -5.57 | 63.96 3.62 -18.66 | 86.56 4.02 -35.18 | 62.04 4.58 -7.14 | 62.96 5.06 -0.45 | 63.10 6.34 5.34 | 63.71 6.47 10.11 | 64.11 7.40 17.28 | 64.41 9.33 31.23 | 123.10 9.69 -18.41 | 96.75 11.38 27.31 | 99.40 9.55 8.61 | 64.42 6.61 14.83 | 63.10 5.95 5.48 | 62.35 4.96 -1.01 | 62.23 4.19 -9.29 | 61.20 3.70 -18.11 |
| NORTHPORT___IC 23718 | 78.66 3.36 -38.76 | 52.06 2.75 -14.96 | 45.97 2.37 -11.54 | 41.55 2.29 -7.90 | 41.03 2.31 -8.29 | 41.78 2.28 -7.79 | 44.07 2.84 -7.04 | 46.88 3.58 -5.57 | 64.54 4.21 -18.66 | 87.28 4.74 -35.19 | 61.85 4.38 -7.15 | 62.55 5.00 -0.09 | 62.61 5.84 5.33 | 63.58 6.33 10.10 | 64.04 7.32 17.27 | 64.24 9.15 31.22 | 123.33 9.21 -19.12 | 96.88 10.82 26.62 | 99.41 9.55 8.60 | 64.00 6.17 14.82 | 62.67 5.51 5.47 | 62.02 4.62 -1.02 | 62.01 4.09 -9.17 | 60.82 3.31 -18.12 |
| NORTH___COUNTRY_ESR 323785 | 35.44 -1.10 0.00 | 33.63 -0.72 0.00 | 31.74 -0.32 0.00 | 31.02 -0.34 0.00 | 30.09 -0.33 0.00 | 31.42 -0.29 0.00 | 33.75 -0.45 0.00 | 36.89 -0.83 0.00 | 40.67 -1.00 0.00 | 46.17 -1.18 0.00 | 48.91 -1.41 0.00 | 54.99 -2.47 0.00 | 59.31 -2.79 0.00 | 64.26 -3.10 0.00 | 69.40 -4.59 0.00 | 81.14 -5.18 0.00 | 89.59 -5.41 0.00 | 106.48 -6.20 0.00 | 92.75 -5.71 0.00 | 68.57 -4.07 0.00 | 60.18 -2.44 0.00 | 54.86 -1.52 0.00 | 47.29 -1.46 0.00 | 38.20 -1.18 0.00 |
| NPX_GEN_1385_PROXY 323591 | 60.12 2.23 -21.35 | 51.40 2.10 -14.96 | 45.30 1.70 -11.54 | 41.21 1.95 -7.90 | 40.79 2.07 -8.29 | 41.40 1.90 -7.79 | 43.80 2.57 -7.04 | 46.20 2.91 -5.57 | 56.50 2.96 -11.87 | 63.72 3.31 -13.05 | 60.49 3.02 -7.15 | 61.17 3.62 -0.09 | 62.55 5.78 5.33 | 63.78 6.53 10.10 | 73.50 9.25 9.74 | 97.20 11.14 0.26 | 124.85 10.73 -19.12 | 143.20 13.29 -17.23 | 139.44 12.01 -28.97 | 105.46 8.93 -23.89 | 87.05 7.45 -16.97 | 61.98 4.85 -0.75 | 57.71 3.36 -5.60 | 50.89 2.09 -9.42 |
| NPX_GEN_CSC 323557 | 78.99 3.69 -38.76 | 52.61 3.30 -14.96 | 46.17 2.57 -11.54 | 41.65 2.38 -7.90 | 41.09 2.37 -8.29 | 41.94 2.44 -7.79 | 44.24 3.01 -7.04 | 47.10 3.81 -5.57 | 65.08 4.75 -18.66 | 87.94 5.40 -35.20 | 69.63 5.63 -13.68 | 137.26 6.66 -73.14 | 267.01 7.70 -197.21 | 283.79 8.21 -208.21 | 271.48 9.40 -188.09 | 277.76 11.48 -179.96 | 293.54 11.97 -186.57 | 284.33 14.20 -157.45 | 266.17 12.71 -155.00 | 255.46 8.57 -174.25 | 277.75 7.64 -207.48 | 215.50 6.31 -152.81 | 66.24 5.41 -12.08 | 60.63 4.45 -16.80 |
| NSINS_S_GLNS_FALLS 23858 | 39.46 2.92 0.00 | 36.79 2.44 0.00 | 34.15 2.08 0.00 | 33.34 1.98 0.00 | 32.40 1.98 0.00 | 33.74 2.03 0.00 | 36.38 2.19 0.00 | 40.33 2.60 0.00 | 44.88 3.21 0.00 | 51.00 3.65 0.00 | 53.64 3.32 0.00 | 61.42 3.96 0.00 | 66.39 4.28 0.00 | 71.40 4.04 0.00 | 78.58 4.59 0.00 | 92.32 5.78 -0.22 | 102.22 7.22 0.00 | 122.03 9.35 0.00 | 107.22 8.76 0.00 | 79.03 6.39 0.00 | 68.08 5.45 0.00 | 61.17 4.79 0.00 | 52.35 3.61 0.00 | 42.18 2.80 0.00 |
| NUCOR_STEEL___DRP 24197 | 38.42 0.77 -1.12 | 35.46 0.38 -0.73 | 32.71 0.32 -0.32 | 31.85 0.28 -0.20 | 30.67 0.21 -0.03 | 32.37 0.41 -0.25 | 35.77 0.65 -0.93 | 40.17 1.02 -1.43 | 44.60 0.96 -1.97 | 51.47 1.18 -2.93 | 55.41 1.41 -3.68 | 64.07 1.72 -4.89 | 69.63 1.86 -5.66 | 75.48 2.09 -6.04 | 83.44 2.29 -7.16 | 97.98 2.42 -9.25 | 107.52 2.66 -9.86 | 127.09 3.27 -11.14 | 111.87 3.15 -10.25 | 82.38 2.54 -7.19 | 70.24 1.88 -5.73 | 62.80 1.75 -4.67 | 53.72 1.56 -3.41 | 42.32 1.10 -1.84 |
| NUMBER_THREE_WT_PWR 323818 | 38.24 1.20 -0.49 | 35.74 1.07 -0.32 | 33.10 0.90 -0.14 | 32.37 0.91 -0.09 | 31.23 0.79 -0.02 | 32.83 1.01 -0.11 | 35.77 1.16 -0.41 | 39.57 1.21 -0.63 | 43.55 1.00 -0.87 | 49.88 1.23 -1.30 | 53.06 1.11 -1.63 | 60.83 1.21 -2.17 | 65.60 0.99 -2.51 | 71.11 1.07 -2.68 | 78.27 1.11 -3.17 | 91.37 0.95 -4.10 | 100.80 1.43 -4.37 | 119.75 2.14 -4.94 | 105.27 2.27 -4.55 | 77.86 2.03 -3.19 | 66.92 1.75 -2.54 | 60.37 1.92 -2.07 | 51.82 1.56 -1.51 | 41.58 1.38 -0.81 |
| NYISO_LBMP_REFERENCE 24008 | 36.54 0.00 0.00 | 34.35 0.00 0.00 | 32.07 0.00 0.00 | 31.37 0.00 0.00 | 30.43 0.00 0.00 | 31.71 0.00 0.00 | 34.19 0.00 0.00 | 37.72 0.00 0.00 | 41.68 0.00 0.00 | 47.35 0.00 0.00 | 50.32 0.00 0.00 | 57.45 0.00 0.00 | 62.10 0.00 0.00 | 67.36 0.00 0.00 | 73.99 0.00 0.00 | 86.32 0.00 0.00 | 95.00 0.00 0.00 | 112.68 0.00 0.00 | 98.46 0.00 0.00 | 72.64 0.00 0.00 | 62.63 0.00 0.00 | 56.38 0.00 0.00 | 48.75 0.00 0.00 | 39.38 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 79.32 4.02 -38.76 | 52.88 3.57 -14.96 | 46.45 2.85 -11.54 | 41.99 2.73 -7.90 | 41.43 2.71 -8.29 | 42.25 2.76 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.33 5.00 -18.66 | 88.17 5.63 -35.19 | 64.94 5.68 -8.93 | 100.57 6.55 -36.57 | 119.36 7.14 -50.12 | 124.83 7.81 -49.66 | 129.83 9.02 -46.82 | 251.52 11.05 -154.15 | 293.39 11.49 -186.90 | 283.97 13.52 -157.77 | 191.18 11.71 -81.01 | 116.64 7.99 -36.01 | 120.94 6.83 -51.49 | 104.89 5.64 -42.88 | 71.26 5.41 -17.10 | 62.53 4.41 -18.74 |

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| NYPA_GOWANUS____GT5 24156 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.35 5.57 -19.32 | 80.10 6.40 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.67 5.70 -17.35 | 150.27 4.85 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| NYPA_GOWANUS____GT6 24157 | 39.83 3.29 -0.01 | 37.21 2.85 -0.01 | 34.28 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.72 2.53 0.00 | 41.13 3.40 -0.01 | 45.81 4.13 -0.01 | 51.66 4.31 0.00 | 54.95 4.63 0.00 | 82.35 5.57 -19.32 | 80.10 6.40 -11.60 | 79.78 7.00 -5.41 | 82.26 8.21 -0.06 | 115.43 10.27 -18.85 | 105.45 10.45 0.00 | 124.85 12.17 0.00 | 116.17 10.14 -7.57 | 79.40 6.39 -0.37 | 85.67 5.70 -17.35 | 150.27 4.85 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |
| NYPA_HARLEM__RVR__GT1 24160 | 39.69 3.14 -0.01 | 37.11 2.75 -0.01 | 34.19 2.12 -0.01 | 33.32 1.95 -0.01 | 32.38 1.95 -0.01 | 33.65 1.93 -0.01 | 36.77 2.57 -0.01 | 41.09 3.36 -0.01 | 45.60 3.92 -0.01 | 51.38 4.02 0.00 | 54.66 4.33 -0.01 | 62.69 5.23 -0.01 | 68.13 6.02 -0.01 | 73.90 6.53 -0.01 | 81.69 7.69 -0.01 | 97.36 9.75 -1.29 | 104.80 9.79 -0.01 | 124.06 11.38 -0.01 | 108.02 9.55 -0.01 | 78.68 6.03 -0.01 | 67.96 5.32 -0.01 | 60.79 4.40 -0.01 | 52.99 4.24 -0.01 | 43.14 3.74 -0.01 |
| NYPA_HARLEM__RVR__GT2 24161 | 39.69 3.14 -0.01 | 37.11 2.75 -0.01 | 34.19 2.12 -0.01 | 33.32 1.95 -0.01 | 32.38 1.95 -0.01 | 33.65 1.93 -0.01 | 36.77 2.57 -0.01 | 41.09 3.36 -0.01 | 45.60 3.92 -0.01 | 51.38 4.02 0.00 | 54.66 4.33 -0.01 | 62.69 5.23 -0.01 | 68.13 6.02 -0.01 | 73.90 6.53 -0.01 | 81.69 7.69 -0.01 | 97.36 9.75 -1.29 | 104.80 9.79 -0.01 | 124.06 11.38 -0.01 | 108.02 9.55 -0.01 | 78.68 6.03 -0.01 | 67.96 5.32 -0.01 | 60.79 4.40 -0.01 | 52.99 4.24 -0.01 | 43.14 3.74 -0.01 |
| NYPA_KENT____GT 24152 | 39.72 3.18 0.00 | 37.14 2.78 0.00 | 34.19 2.12 0.00 | 33.32 1.95 0.00 | 32.37 1.95 0.00 | 33.58 1.87 0.00 | 36.69 2.49 0.00 | 41.09 3.36 -0.01 | 45.73 4.04 -0.01 | 51.57 4.21 0.00 | 54.80 4.48 0.00 | 62.89 5.40 -0.03 | 68.34 6.21 -0.03 | 74.13 6.74 -0.03 | 81.94 7.92 -0.03 | 97.56 9.92 -1.32 | 105.17 10.17 0.00 | 124.51 11.83 0.00 | 111.15 9.75 -2.94 | 79.03 6.25 -0.14 | 74.87 5.51 -6.73 | 61.03 4.62 -0.03 | 53.21 4.44 -0.03 | 47.35 3.82 -4.15 |
| NYPA_POUCH1____GT 24155 | 39.76 3.22 -0.01 | 37.14 2.78 -0.01 | 34.22 2.15 -0.01 | 33.35 1.98 -0.01 | 32.40 1.98 0.00 | 33.54 1.84 0.00 | 36.62 2.43 0.00 | 40.98 3.24 -0.01 | 45.64 3.96 -0.01 | 51.52 4.17 0.00 | 54.75 4.43 0.00 | 82.18 5.40 -19.32 | 79.91 6.21 -11.60 | 79.73 6.80 -5.58 | 82.11 8.07 -0.06 | 115.79 10.09 -19.37 | 105.26 10.26 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.26 6.25 -0.37 | 85.55 5.57 -17.35 | 150.10 4.68 -89.04 | 75.79 4.44 -22.61 | 50.49 3.86 -7.24 |
| NYPA_VERNON____GT2 24162 | 39.64 3.10 0.00 | 37.04 2.68 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.54 1.84 0.00 | 36.66 2.46 0.00 | 41.01 3.28 -0.01 | 45.65 3.96 -0.01 | 51.43 4.07 0.00 | 54.70 4.38 0.00 | 62.75 5.28 -0.01 | 68.20 6.09 -0.01 | 73.90 6.53 -0.01 | 81.76 7.77 -0.01 | 97.36 9.75 -1.29 | 104.88 9.88 0.00 | 124.18 11.50 0.00 | 106.33 9.55 1.68 | 78.65 6.10 0.09 | 64.12 5.39 3.90 | 60.90 4.51 -0.01 | 53.05 4.29 -0.01 | 44.14 3.70 -1.06 |
| NYPA_VERNON____GT3 24163 | 39.64 3.10 0.00 | 37.04 2.68 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.54 1.84 0.00 | 36.66 2.46 0.00 | 41.01 3.28 -0.01 | 45.65 3.96 -0.01 | 51.43 4.07 0.00 | 54.70 4.38 0.00 | 62.75 5.28 -0.01 | 68.20 6.09 -0.01 | 73.90 6.53 -0.01 | 81.76 7.77 -0.01 | 97.36 9.75 -1.29 | 104.88 9.88 0.00 | 124.18 11.50 0.00 | 106.33 9.55 1.68 | 78.65 6.10 0.09 | 64.12 5.39 3.90 | 60.90 4.51 -0.01 | 53.05 4.29 -0.01 | 44.14 3.70 -1.06 |
| NYPA____ASTORIA_CC1 323568 | 39.57 3.03 0.00 | 37.00 2.65 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.62 2.43 0.00 | 40.98 3.24 -0.01 | 45.56 3.88 -0.01 | 51.33 3.98 0.00 | 54.55 4.23 0.00 | 62.57 5.11 0.00 | 68.00 5.90 0.00 | 73.76 6.40 0.00 | 81.54 7.55 0.00 | 97.10 9.50 -1.28 | 104.59 9.59 0.00 | 123.84 11.16 0.00 | 103.77 9.25 3.94 | 78.32 5.88 0.20 | 58.71 5.20 9.11 | 60.72 4.34 0.00 | 52.94 4.19 0.00 | 43.06 3.66 -0.01 |
| NYPA____ASTORIA_CC2 323569 | 39.57 3.03 0.00 | 37.00 2.65 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.62 2.43 0.00 | 40.98 3.24 -0.01 | 45.56 3.88 -0.01 | 51.33 3.98 0.00 | 54.55 4.23 0.00 | 62.57 5.11 0.00 | 68.00 5.90 0.00 | 73.76 6.40 0.00 | 81.54 7.55 0.00 | 97.10 9.50 -1.28 | 104.59 9.59 0.00 | 123.84 11.16 0.00 | 103.77 9.25 3.94 | 78.32 5.88 0.20 | 58.71 5.20 9.11 | 60.72 4.34 0.00 | 52.94 4.19 0.00 | 43.06 3.66 -0.01 |
| NYPA____HOLTSVILL 23794 | 79.07 3.76 -38.76 | 52.68 3.37 -14.96 | 46.26 2.66 -11.54 | 41.77 2.51 -7.90 | 41.22 2.50 -8.29 | 42.04 2.54 -7.79 | 44.35 3.11 -7.04 | 47.22 3.92 -5.57 | 65.08 4.75 -18.66 | 87.90 5.35 -35.20 | 69.28 5.39 -13.57 | 135.77 6.32 -71.99 | 263.22 7.26 -193.86 | 279.84 7.88 -204.61 | 267.82 8.95 -184.88 | 276.65 10.96 -179.37 | 292.95 11.39 -186.56 | 283.52 13.40 -157.44 | 263.39 11.61 -153.32 | 248.56 8.13 -167.78 | 268.80 7.01 -199.16 | 213.59 5.81 -151.41 | 69.43 5.12 -15.56 | 63.99 4.25 -20.35 |
| NYPA____HELLGATE_GT1 24158 | 39.69 3.14 -0.01 | 37.11 2.75 -0.01 | 34.19 2.12 -0.01 | 33.32 1.95 -0.01 | 32.38 1.95 -0.01 | 33.65 1.93 -0.01 | 36.77 2.57 -0.01 | 41.09 3.36 -0.01 | 45.60 3.92 -0.01 | 51.38 4.02 0.00 | 54.66 4.33 -0.01 | 62.69 5.23 -0.01 | 68.13 6.02 -0.01 | 73.90 6.53 -0.01 | 81.69 7.69 -0.01 | 97.36 9.75 -1.29 | 104.80 9.79 -0.01 | 124.06 11.38 -0.01 | 108.02 9.55 -0.01 | 78.68 6.03 -0.01 | 67.96 5.32 -0.01 | 60.79 4.40 -0.01 | 52.99 4.24 -0.01 | 43.14 3.74 -0.01 |
| NYPA____HELLGATE_GT2 24159 | 39.69 3.14 -0.01 | 37.11 2.75 -0.01 | 34.19 2.12 -0.01 | 33.32 1.95 -0.01 | 32.38 1.95 -0.01 | 33.65 1.93 -0.01 | 36.77 2.57 -0.01 | 41.09 3.36 -0.01 | 45.60 3.92 -0.01 | 51.38 4.02 0.00 | 54.66 4.33 -0.01 | 62.69 5.23 -0.01 | 68.13 6.02 -0.01 | 73.90 6.53 -0.01 | 81.69 7.69 -0.01 | 97.36 9.75 -1.29 | 104.80 9.79 -0.01 | 124.06 11.38 -0.01 | 108.02 9.55 -0.01 | 78.68 6.03 -0.01 | 67.96 5.32 -0.01 | 60.79 4.40 -0.01 | 52.99 4.24 -0.01 | 43.14 3.74 -0.01 |
| NYS_BARGE____HYD 23848 | 37.09 0.55 0.00 | 34.25 -0.10 0.00 | 31.27 -0.80 0.00 | 30.77 -0.60 0.00 | 29.45 -0.97 0.00 | 31.29 -0.41 0.00 | 34.16 -0.03 0.00 | 38.10 0.38 0.00 | 41.51 -0.17 0.00 | 47.31 -0.05 0.00 | 51.03 0.70 0.00 | 58.09 0.63 0.00 | 62.91 0.81 0.00 | 68.57 1.21 0.00 | 75.16 1.18 0.00 | 86.40 0.09 0.00 | 95.47 0.48 0.00 | 112.68 0.00 0.00 | 99.54 1.09 0.00 | 73.58 0.94 0.00 | 62.88 0.25 0.00 | 57.00 0.62 0.00 | 50.26 1.51 0.00 | 40.80 1.42 0.00 |
| OAK ORCHARD____HYD 24046 | 37.27 0.73 0.00 | 34.66 0.31 0.00 | 31.91 -0.16 0.00 | 31.24 -0.12 0.00 | 30.12 -0.30 0.00 | 31.71 0.00 0.00 | 34.61 0.41 0.00 | 38.55 0.83 0.00 | 42.18 0.50 0.00 | 48.16 0.80 0.00 | 51.68 1.36 0.00 | 58.89 1.44 0.00 | 63.65 1.55 0.00 | 69.18 1.82 0.00 | 76.06 2.07 0.00 | 87.95 1.64 0.00 | 97.28 2.28 0.00 | 115.05 2.37 0.00 | 101.02 2.56 0.00 | 74.60 1.96 0.00 | 63.88 1.25 0.00 | 57.73 1.35 0.00 | 50.35 1.61 0.00 | 40.57 1.18 0.00 |

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|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|-------------------------|
| OAKDALE___35_KV_LOAD 356122 | 38.05 1.06 -0.45 | 35.16 0.52 -0.29 | 32.64 0.45 -0.13 | 31.92 0.47 -0.08 | 30.84 0.40 -0.01 | 32.35 0.54 -0.10 | 35.39 0.82 -0.38 | 39.51 1.21 -0.58 | 43.68 1.21 -0.80 | 49.96 1.42 -1.19 | 53.58 1.76 -1.49 | 61.50 2.07 -1.98 | 66.82 2.42 -2.29 | 72.56 2.76 -2.45 | 79.92 3.03 -2.90 | 93.10 3.11 -3.68 | 102.51 3.51 -3.99 | 121.36 4.17 -4.51 | 106.65 4.04 -4.15 | 78.75 3.20 -2.91 | 67.39 2.44 -2.32 | 60.47 2.20 -1.89 | 52.18 2.05 -1.38 | 41.66 1.54 -0.74 |
| OCC_CHEM___DRP 24175 | 36.35 -0.18 0.00 | 33.05 -1.31 0.00 | 30.78 -1.28 0.00 | 30.36 -1.00 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.62 0.00 | 37.39 -0.34 0.00 | 40.80 -0.88 0.00 | 46.41 -0.95 0.00 | 49.92 -0.40 0.00 | 56.71 -0.75 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.59 -1.73 0.00 | 93.10 -1.90 0.00 | 110.31 -2.37 0.00 | 97.28 -1.18 0.00 | 72.28 -0.36 0.00 | 61.63 -1.00 0.00 | 55.93 -0.45 0.00 | 49.33 0.58 0.00 | 40.01 0.63 0.00 |
| OH_GEN_PROXY 24063 | 36.76 0.22 0.00 | 33.98 -0.38 0.00 | 31.17 -0.90 0.00 | 30.55 -0.82 0.00 | 29.36 -1.07 0.00 | 31.04 -0.67 0.00 | 33.99 -0.20 0.00 | 37.88 0.15 0.00 | 41.26 -0.42 0.00 | 47.02 -0.33 0.00 | 50.68 0.35 0.00 | 57.63 0.17 0.00 | 62.54 0.44 0.00 | 68.03 0.67 0.00 | 74.65 0.66 0.00 | 85.97 -0.34 0.00 | 95.00 0.00 0.00 | 112.12 -0.56 0.00 | 99.05 0.59 0.00 | 76.62 0.58 -3.40 | 67.45 -0.06 -4.89 | 55.59 0.34 1.13 | 46.35 1.17 3.56 | 36.82 1.02 3.59 |
| OLIN_CORP_DRP 24177 | 36.72 0.18 0.00 | 33.36 -1.00 0.00 | 31.07 -0.99 0.00 | 30.30 -1.07 0.00 | 29.12 -1.31 0.00 | 30.98 -0.73 0.00 | 33.75 -0.44 0.00 | 37.57 -0.15 0.00 | 41.01 -0.67 0.00 | 46.64 -0.71 0.00 | 50.17 -0.15 0.00 | 57.05 -0.40 0.00 | 62.10 0.00 0.00 | 67.62 0.27 0.01 | 74.20 0.22 0.01 | 85.19 -1.12 0.01 | 93.85 -1.14 0.01 | 111.09 -1.58 0.01 | 97.96 -0.49 0.01 | 72.78 0.15 0.01 | 62.00 -0.63 0.00 | 56.26 -0.11 0.00 | 49.62 0.88 0.00 | 40.25 0.87 0.00 |
| OLIN_CORP_DSASP 323712 | 36.36 -0.18 0.00 | 33.60 -0.76 0.00 | 30.98 -1.09 0.00 | 30.21 -1.16 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.61 0.00 | 37.38 -0.34 0.00 | 40.72 -0.96 0.00 | 46.41 -0.95 0.00 | 50.02 -0.30 0.00 | 56.88 -0.57 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.67 -1.64 0.00 | 93.48 -1.52 0.00 | 110.31 -2.37 0.00 | 97.48 -0.98 0.00 | 71.99 -0.66 0.00 | 61.62 -1.00 0.00 | 55.92 -0.45 0.00 | 49.33 0.59 0.00 | 40.01 0.63 0.00 |
| ONEIDA_HERK_LFGE 323681 | 38.23 1.42 -0.27 | 35.76 1.23 -0.18 | 33.17 1.03 -0.08 | 32.42 1.00 -0.05 | 31.35 0.91 -0.01 | 32.85 1.08 -0.06 | 35.65 1.23 -0.22 | 39.43 1.36 -0.35 | 43.53 1.37 -0.48 | 49.72 1.66 -0.71 | 52.87 1.66 -0.89 | 60.65 2.01 -1.18 | 65.33 1.86 -1.37 | 70.91 2.09 -1.46 | 78.02 2.30 -1.73 | 90.80 2.24 -2.24 | 100.23 2.85 -2.39 | 118.98 3.60 -2.70 | 104.39 3.44 -2.48 | 77.14 2.76 -1.74 | 66.27 2.25 -1.39 | 59.71 2.20 -1.13 | 51.42 1.85 -0.83 | 41.44 1.62 -0.44 |
| ONEIDA___115KV_TB4 55905 | 38.66 1.75 -0.37 | 35.97 1.37 -0.24 | 33.39 1.22 -0.11 | 32.63 1.19 -0.07 | 31.53 1.10 -0.01 | 33.06 1.27 -0.08 | 36.00 1.50 -0.31 | 39.67 1.47 -0.47 | 43.91 1.58 -0.65 | 50.17 1.85 -0.97 | 53.50 1.96 -1.22 | 61.49 2.41 -1.62 | 66.40 2.42 -1.88 | 72.05 2.69 -2.00 | 79.32 2.96 -2.37 | 92.31 2.93 -3.06 | 101.88 3.61 -3.27 | 120.88 4.51 -3.69 | 106.09 4.23 -3.40 | 78.29 3.27 -2.38 | 67.16 2.63 -1.90 | 60.46 2.54 -1.55 | 51.97 2.10 -1.13 | 42.04 2.05 -0.61 |
| ONONDAGA_REF_OCCRA 23987 | 37.49 0.11 -0.84 | 34.69 -0.21 -0.55 | 32.08 -0.22 -0.24 | 31.27 -0.25 -0.15 | 30.18 -0.27 -0.03 | 31.71 -0.19 -0.19 | 34.86 -0.03 -0.70 | 38.99 0.19 -1.08 | 43.33 0.17 -1.48 | 49.80 0.24 -2.21 | 53.50 0.40 -2.77 | 61.66 0.52 -3.68 | 66.99 0.62 -4.27 | 72.71 0.81 -4.55 | 80.27 0.89 -5.39 | 94.06 0.78 -6.97 | 103.38 0.95 -7.43 | 122.20 1.13 -8.39 | 107.17 0.98 -7.73 | 78.93 0.87 -5.42 | 67.38 0.44 -4.32 | 60.35 0.45 -3.52 | 51.71 0.39 -2.57 | 41.01 0.24 -1.38 |
| ONONDAGA___COGEN 23986 | 38.04 0.26 -1.25 | 35.10 -0.07 -0.81 | 32.30 -0.13 -0.36 | 31.46 -0.13 -0.22 | 30.28 -0.18 -0.04 | 31.93 -0.06 -0.28 | 35.33 0.10 -1.04 | 39.70 0.38 -1.60 | 44.17 0.29 -2.21 | 50.92 0.28 -3.28 | 54.85 0.40 -4.12 | 63.50 0.57 -5.47 | 69.12 0.68 -6.34 | 74.92 0.81 -6.76 | 82.89 0.89 -8.01 | 97.44 0.78 -10.35 | 106.89 0.85 -11.04 | 126.28 1.13 -12.47 | 111.02 1.08 -11.48 | 81.64 0.94 -8.05 | 69.60 0.56 -6.41 | 62.12 0.51 -5.23 | 53.05 0.49 -3.82 | 41.76 0.32 -2.06 |
| ONTARIO___LFGE 23819 | 38.30 1.35 -0.41 | 35.58 0.96 -0.27 | 32.67 0.48 -0.12 | 31.94 0.50 -0.07 | 30.77 0.34 -0.01 | 32.50 0.70 -0.09 | 35.73 1.20 -0.34 | 40.03 1.77 -0.53 | 43.82 1.42 -0.73 | 50.14 1.70 -1.09 | 53.90 2.21 -1.37 | 61.97 2.70 -1.81 | 67.06 2.86 -2.10 | 72.83 3.23 -2.24 | 80.20 3.55 -2.66 | 92.85 3.10 -3.43 | 102.65 3.99 -3.66 | 120.42 3.60 -4.13 | 106.10 3.84 -3.81 | 79.45 4.14 -2.67 | 67.70 2.94 -2.13 | 60.82 2.71 -1.73 | 52.55 2.53 -1.27 | 41.88 1.81 -0.68 |
| ORANGEVILLE_WT_PWR 323706 | 37.82 1.28 0.00 | 35.00 0.65 0.00 | 32.10 0.03 0.00 | 31.49 0.13 0.00 | 30.30 -0.12 0.00 | 32.02 0.32 0.00 | 35.05 0.86 0.00 | 39.16 1.43 0.00 | 42.67 1.00 0.00 | 48.63 1.28 0.00 | 52.39 2.06 0.00 | 59.81 2.36 0.00 | 64.71 2.61 0.00 | 70.46 3.10 0.00 | 77.39 3.41 0.00 | 89.16 2.84 0.00 | 98.52 3.52 0.00 | 116.29 3.60 0.00 | 102.69 4.23 0.00 | 76.13 3.49 0.00 | 64.95 2.32 0.00 | 58.75 2.37 0.00 | 51.52 2.78 0.00 | 41.63 2.24 0.00 |
| ORANGEVILLE___ESR 323794 | 37.82 1.28 0.00 | 35.00 0.65 0.00 | 32.10 0.03 0.00 | 31.49 0.13 0.00 | 30.30 -0.12 0.00 | 32.02 0.32 0.00 | 35.05 0.86 0.00 | 39.16 1.43 0.00 | 42.67 1.00 0.00 | 48.63 1.28 0.00 | 52.39 2.06 0.00 | 59.81 2.36 0.00 | 64.71 2.61 0.00 | 70.46 3.10 0.00 | 77.39 3.41 0.00 | 89.16 2.84 0.00 | 98.52 3.52 0.00 | 116.29 3.60 0.00 | 102.69 4.23 0.00 | 76.13 3.49 0.00 | 64.95 2.32 0.00 | 58.75 2.37 0.00 | 51.52 2.78 0.00 | 41.63 2.24 0.00 |
| OSWEGATCHIE___HYD 24044 | 36.77 -0.18 -0.41 | 34.55 -0.07 -0.27 | 32.22 0.03 -0.12 | 31.47 0.03 -0.07 | 30.44 0.00 -0.01 | 31.93 0.13 -0.09 | 34.67 0.14 -0.34 | 38.10 -0.15 -0.53 | 41.78 -0.62 -0.73 | 47.78 -0.66 -1.09 | 50.73 -0.96 -1.37 | 57.83 -1.43 -1.81 | 62.40 -1.80 -2.10 | 67.58 -2.02 -2.24 | 74.05 -2.59 -2.65 | 86.55 -3.19 -3.43 | 95.52 -3.13 -3.66 | 113.43 -3.38 -4.13 | 99.51 -2.76 -3.80 | 73.64 -1.67 -2.67 | 63.63 -1.13 -2.12 | 57.49 -0.62 -1.73 | 49.48 -0.54 -1.27 | 39.79 -0.27 -0.68 |
| OSWEGO___5 23606 | 41.32 -0.44 -5.22 | 37.24 -0.51 -3.41 | 32.95 -0.61 -1.50 | 31.70 -0.60 -0.93 | 29.95 -0.64 -0.16 | 32.32 -0.57 -1.18 | 38.05 -0.48 -4.34 | 44.04 -0.38 -6.69 | 50.36 -0.54 -9.23 | 60.53 -0.57 -13.74 | 67.07 -0.50 -17.25 | 79.84 -0.52 -22.91 | 88.07 -0.56 -26.52 | 95.09 -0.54 -28.27 | 106.92 -0.59 -33.53 | 128.77 -0.86 -43.31 | 140.34 -0.86 -46.19 | 163.85 -1.02 -52.18 | 145.71 -0.79 -48.04 | 105.83 -0.50 -33.69 | 88.84 -0.63 -26.84 | 77.76 -0.51 -21.89 | 64.34 -0.39 -15.98 | 47.64 -0.36 -8.61 |
| OSWEGO___6 23613 | 41.32 -0.44 -5.22 | 37.24 -0.51 -3.41 | 32.95 -0.61 -1.50 | 31.70 -0.60 -0.93 | 29.95 -0.64 -0.16 | 32.32 -0.57 -1.18 | 38.05 -0.48 -4.34 | 44.04 -0.38 -6.69 | 50.36 -0.54 -9.23 | 60.53 -0.57 -13.74 | 67.07 -0.50 -17.25 | 79.84 -0.52 -22.91 | 88.07 -0.56 -26.52 | 95.09 -0.54 -28.27 | 106.92 -0.59 -33.53 | 128.77 -0.86 -43.31 | 140.34 -0.86 -46.19 | 163.85 -1.02 -52.18 | 145.71 -0.79 -48.04 | 105.83 -0.50 -33.69 | 88.84 -0.63 -26.84 | 77.76 -0.51 -21.89 | 64.34 -0.39 -15.98 | 47.64 -0.36 -8.61 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|
| OUTOKUMPU-AB___DRP 24206 | 37.49 0.95 0.00 | 34.08 -0.27 0.00 | 31.71 -0.35 0.00 | 31.12 -0.25 0.00 | 29.94 -0.49 0.00 | 31.61 -0.10 0.00 | 34.60 0.41 0.00 | 38.67 0.94 0.00 | 42.18 0.50 0.00 | 48.02 0.66 0.00 | 51.53 1.21 0.00 | 58.66 1.21 0.00 | 63.65 1.55 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.35 1.04 0.00 | 96.24 1.24 0.00 | 113.92 1.24 0.00 | 100.53 2.07 0.00 | 74.60 1.96 0.00 | 63.63 1.00 0.00 | 57.67 1.30 0.00 | 50.84 2.10 0.00 | 41.31 1.93 0.00 |
| OXBOW___BTM 323836 | 36.98 0.44 0.00 | 34.15 -0.20 0.00 | 31.39 -0.67 0.00 | 30.68 -0.69 0.00 | 29.61 -0.82 0.00 | 31.17 -0.54 0.00 | 34.13 -0.07 0.00 | 38.06 0.34 0.00 | 41.47 -0.21 0.00 | 47.26 -0.09 0.00 | 50.93 0.61 0.00 | 57.97 0.52 0.00 | 62.48 0.37 0.00 | 68.10 0.74 0.00 | 74.65 0.66 0.00 | 85.80 -0.51 0.00 | 94.81 -0.19 0.00 | 111.90 -0.78 0.00 | 98.86 0.40 0.00 | 73.01 0.37 0.00 | 62.75 0.13 0.00 | 56.88 0.51 0.00 | 50.16 1.41 0.00 | 40.72 1.34 0.00 |
| OXBOW___ 24026 | 36.98 0.44 0.00 | 33.60 -0.76 0.00 | 31.26 -0.80 0.00 | 30.77 -0.60 0.00 | 29.60 -0.82 0.00 | 31.17 -0.54 0.00 | 34.13 -0.07 0.00 | 38.06 0.34 0.00 | 41.55 -0.13 0.00 | 47.31 -0.05 0.00 | 50.77 0.45 0.00 | 57.80 0.34 0.00 | 62.47 0.37 0.00 | 68.10 0.74 0.00 | 74.65 0.67 0.00 | 85.71 -0.60 0.00 | 94.43 -0.57 0.00 | 111.78 -0.90 0.00 | 98.56 0.10 0.00 | 73.22 0.58 0.00 | 62.75 0.13 0.00 | 56.88 0.51 0.00 | 50.16 1.41 0.00 | 40.72 1.34 0.00 |
| OXY_CHEM_DSASP 323612 | 36.35 -0.18 0.00 | 33.05 -1.31 0.00 | 30.78 -1.28 0.00 | 30.36 -1.00 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.62 0.00 | 37.39 -0.34 0.00 | 40.80 -0.88 0.00 | 46.41 -0.95 0.00 | 49.92 -0.40 0.00 | 56.71 -0.75 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.59 -1.73 0.00 | 93.10 -1.90 0.00 | 110.31 -2.37 0.00 | 97.28 -1.18 0.00 | 72.28 -0.36 0.00 | 61.63 -1.00 0.00 | 55.93 -0.45 0.00 | 49.33 0.58 0.00 | 40.01 0.63 0.00 |
| OZONE_PARK_ESR 323760 | 39.86 3.32 0.00 | 37.00 2.65 0.00 | 34.28 2.21 0.00 | 33.44 2.07 0.00 | 32.46 2.04 0.00 | 33.77 2.06 0.00 | 36.86 2.67 0.00 | 41.27 3.55 0.00 | 45.88 4.21 0.00 | 51.90 4.55 0.00 | 55.35 5.03 0.00 | 63.43 5.98 0.00 | 69.12 7.02 0.00 | 74.90 7.54 0.00 | 82.72 8.73 0.00 | 98.65 11.05 -1.28 | 106.59 11.59 0.00 | 126.20 13.52 0.00 | 109.78 11.32 0.00 | 80.05 7.41 0.00 | 69.08 6.45 0.00 | 61.90 5.53 0.00 | 53.62 4.87 0.00 | 43.36 3.98 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 36.35 -0.18 0.00 | 33.05 -1.31 0.00 | 30.78 -1.28 0.00 | 30.36 -1.00 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.62 0.00 | 37.39 -0.34 0.00 | 40.80 -0.88 0.00 | 46.41 -0.95 0.00 | 49.92 -0.40 0.00 | 56.71 -0.75 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.59 -1.73 0.00 | 93.10 -1.90 0.00 | 110.31 -2.37 0.00 | 97.28 -1.18 0.00 | 72.28 -0.36 0.00 | 61.63 -1.00 0.00 | 55.93 -0.45 0.00 | 49.33 0.58 0.00 | 40.01 0.63 0.00 |
| PACKARD__115KV_DUPONT_184 80571 | 36.35 -0.18 0.00 | 33.05 -1.31 0.00 | 30.78 -1.28 0.00 | 30.36 -1.00 0.00 | 29.21 -1.22 0.00 | 30.66 -1.05 0.00 | 33.58 -0.62 0.00 | 37.39 -0.34 0.00 | 40.80 -0.88 0.00 | 46.41 -0.95 0.00 | 49.92 -0.40 0.00 | 56.71 -0.75 0.00 | 61.67 -0.43 0.00 | 67.09 -0.27 0.00 | 73.62 -0.37 0.00 | 84.59 -1.73 0.00 | 93.10 -1.90 0.00 | 110.31 -2.37 0.00 | 97.28 -1.18 0.00 | 72.28 -0.36 0.00 | 61.63 -1.00 0.00 | 55.93 -0.45 0.00 | 49.33 0.58 0.00 | 40.01 0.63 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 39.72 3.18 -0.01 | 36.87 2.51 -0.01 | 34.19 2.12 -0.01 | 33.32 1.94 -0.01 | 32.38 1.95 -0.01 | 33.65 1.93 -0.01 | 36.73 2.53 -0.01 | 41.05 3.32 -0.01 | 45.56 3.88 -0.01 | 51.33 3.98 0.00 | 54.81 4.48 -0.01 | 62.63 5.17 -0.01 | 68.01 5.90 -0.01 | 73.70 6.33 -0.01 | 81.39 7.40 -0.01 | 97.10 9.49 -1.29 | 104.70 9.69 -0.01 | 123.84 11.16 -0.01 | 107.82 9.35 -0.01 | 78.46 5.81 -0.01 | 67.90 5.26 -0.01 | 60.95 4.57 -0.01 | 53.04 4.29 -0.01 | 43.17 3.78 -0.01 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 40.24 3.69 -0.01 | 37.31 2.95 -0.01 | 34.61 2.53 -0.01 | 33.73 2.35 -0.01 | 32.75 2.31 -0.01 | 34.03 2.31 -0.01 | 37.07 2.87 -0.01 | 41.43 3.70 -0.01 | 45.93 4.25 -0.01 | 51.76 4.40 0.00 | 55.21 4.88 -0.01 | 63.09 5.63 -0.01 | 68.57 6.46 -0.01 | 74.30 6.94 -0.01 | 82.06 8.06 -0.01 | 97.97 10.36 -1.29 | 105.55 10.54 -0.01 | 124.97 12.28 -0.01 | 108.71 10.24 -0.01 | 79.19 6.54 -0.01 | 68.52 5.89 -0.01 | 61.52 5.13 -0.01 | 53.63 4.87 -0.01 | 43.53 4.14 -0.01 |
| PATROON__115KV_TB1 80586 | 38.07 1.53 0.00 | 35.66 1.31 0.00 | 33.32 1.25 0.00 | 32.56 1.19 0.00 | 31.64 1.22 0.00 | 32.88 1.17 0.00 | 35.32 1.13 0.00 | 39.12 1.40 0.00 | 43.30 1.63 0.00 | 49.15 1.80 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.03 1.93 0.00 | 69.38 2.02 0.00 | 76.43 2.44 0.00 | 89.74 3.19 -0.23 | 98.42 3.42 0.00 | 116.74 4.06 0.00 | 102.00 3.54 0.00 | 75.04 2.40 0.00 | 64.69 2.07 0.00 | 58.35 1.97 0.00 | 50.31 1.56 0.00 | 40.64 1.26 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 38.55 2.01 0.00 | 36.17 1.82 0.00 | 33.54 1.48 0.00 | 32.78 1.41 0.00 | 31.83 1.40 0.00 | 33.13 1.43 0.00 | 35.77 1.57 0.00 | 39.65 1.92 0.00 | 43.88 2.21 0.00 | 49.81 2.46 0.00 | 52.79 2.47 0.00 | 60.38 2.93 0.00 | 65.33 3.23 0.00 | 70.79 3.43 0.00 | 77.91 3.92 0.00 | 91.26 4.74 -0.20 | 100.22 5.22 0.00 | 118.99 6.31 0.00 | 104.17 5.71 0.00 | 76.85 4.21 0.00 | 66.26 3.63 0.00 | 59.53 3.16 0.00 | 51.28 2.53 0.00 | 41.39 2.01 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 38.22 1.68 0.00 | 34.70 0.34 0.00 | 32.35 0.29 0.00 | 31.65 0.28 0.00 | 30.49 0.06 0.00 | 32.25 0.54 0.00 | 35.36 1.16 0.00 | 39.61 1.89 0.00 | 43.30 1.63 0.00 | 49.25 1.89 0.00 | 53.04 2.72 0.00 | 60.56 3.10 0.00 | 65.89 3.79 0.00 | 71.82 4.45 -0.02 | 78.81 4.81 -0.02 | 90.74 4.40 -0.02 | 99.77 4.75 -0.02 | 118.10 5.41 -0.02 | 104.09 5.61 -0.02 | 77.45 4.79 -0.02 | 65.95 3.32 0.00 | 59.53 3.16 0.00 | 52.26 3.51 0.00 | 42.22 2.84 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 39.68 3.14 0.00 | 36.83 2.47 0.00 | 34.28 2.21 0.00 | 33.44 2.07 0.00 | 32.46 2.04 0.00 | 33.77 2.06 0.00 | 36.66 2.46 0.00 | 40.74 3.02 0.00 | 45.43 3.75 0.00 | 51.52 4.17 0.00 | 55.15 4.83 0.00 | 63.14 5.69 0.00 | 68.99 6.89 0.00 | 75.17 7.81 0.00 | 82.79 8.80 0.00 | 97.74 10.96 -0.46 | 106.88 11.88 0.00 | 126.88 14.20 0.00 | 110.57 12.11 0.00 | 80.63 7.99 0.00 | 69.39 6.76 0.00 | 62.02 5.64 0.00 | 53.23 4.48 0.00 | 42.93 3.54 0.00 |
| PEEKSKILL___ 23653 | 39.06 2.52 0.00 | 36.55 2.20 0.00 | 33.76 1.70 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.26 1.55 0.00 | 36.21 2.02 0.00 | 40.29 2.57 0.00 | 44.80 3.13 0.00 | 50.76 3.41 0.00 | 54.14 3.82 0.00 | 62.11 4.65 0.00 | 67.57 5.47 0.00 | 73.35 5.99 0.00 | 80.94 6.95 0.00 | 96.51 8.71 -1.48 | 104.21 9.21 0.00 | 123.50 10.82 0.00 | 107.62 9.16 0.00 | 78.74 6.10 0.00 | 67.76 5.14 0.00 | 60.55 4.17 0.00 | 52.30 3.56 0.00 | 42.30 2.91 0.00 |
| PGE MADISON___WINDPWR 24146 | 41.33 4.31 -0.49 | 38.48 3.81 -0.32 | 35.38 3.18 -0.14 | 34.59 3.14 -0.09 | 33.24 2.80 -0.02 | 35.11 3.30 -0.11 | 38.49 3.90 -0.40 | 43.02 4.68 -0.62 | 47.16 4.63 -0.86 | 54.07 5.44 -1.28 | 57.66 5.73 -1.60 | 66.53 6.95 -2.13 | 71.58 7.02 -2.46 | 77.73 7.74 -2.63 | 85.61 8.51 -3.12 | 99.52 9.24 -3.96 | 110.21 10.92 -4.29 | 131.04 13.52 -4.85 | 115.72 12.79 -4.46 | 85.80 10.03 -3.13 | 73.32 8.20 -2.49 | 66.08 7.67 -2.03 | 56.86 6.63 -1.48 | 45.50 5.31 -0.80 |

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| PIERCEFIELD___HYD 23852 | 35.25 -1.50 -0.21 | 33.70 -0.79 -0.14 | 31.42 -0.71 -0.06 | 30.71 -0.69 -0.04 | 29.73 -0.70 -0.01 | 31.12 -0.63 -0.05 | 33.58 -0.79 -0.17 | 36.52 -1.47 -0.27 | 39.84 -2.21 -0.37 | 45.39 -2.51 -0.55 | 48.14 -2.87 -0.69 | 54.75 -3.62 -0.91 | 58.88 -4.28 -1.06 | 63.70 -4.78 -1.13 | 69.48 -5.85 -1.34 | 81.31 -6.73 -1.73 | 89.72 -7.13 -1.85 | 106.54 -8.23 -2.08 | 93.09 -7.29 -1.92 | 69.12 -4.87 -1.35 | 59.88 -3.82 -1.07 | 54.04 -3.21 -0.87 | 46.75 -2.63 -0.64 | 37.84 -1.89 -0.34 |
| PINELAWN_CC_1 323563 | 78.99 3.69 -38.76 | 52.57 3.27 -14.96 | 46.20 2.60 -11.54 | 41.71 2.45 -7.90 | 41.16 2.43 -8.29 | 41.97 2.47 -7.79 | 44.28 3.04 -7.04 | 47.10 3.81 -5.57 | 64.92 4.58 -18.66 | 87.66 5.12 -35.19 | 63.78 5.39 -8.07 | 76.26 6.38 -12.43 | 92.82 7.39 -23.33 | 96.23 8.08 -20.79 | 104.40 9.32 -21.09 | 247.25 11.48 -149.45 | 295.09 12.16 -187.93 | 285.75 14.31 -158.76 | 178.30 12.31 -67.53 | 92.44 8.35 -11.45 | 93.73 7.14 -23.97 | 84.95 5.92 -22.66 | 64.74 5.16 -10.83 | 62.04 4.22 -18.44 |
| PJM_GEN_HTTP_PROXY 323702 | 39.39 2.85 0.00 | 36.83 2.47 0.00 | 33.92 1.86 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.42 1.71 0.00 | 36.48 2.29 0.00 | 40.78 3.05 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.65 4.33 0.00 | 62.68 5.23 0.00 | 68.19 6.09 0.00 | 74.03 6.67 0.00 | 81.75 7.77 0.00 | 97.35 9.75 -1.29 | 105.26 10.26 0.00 | 124.62 11.94 0.00 | 108.40 9.94 0.00 | 82.50 6.46 -3.40 | 73.03 5.51 -4.89 | 59.76 4.51 1.13 | 49.28 4.10 3.56 | 39.18 3.39 3.59 |
| PJM_GEN_KEystone 24065 | 38.00 1.46 0.00 | 35.42 1.07 0.00 | 32.61 0.54 0.00 | 31.90 0.53 0.00 | 30.88 0.46 0.00 | 32.31 0.60 0.00 | 35.25 1.06 0.00 | 39.27 1.55 0.00 | 43.17 1.62 0.12 | 48.70 1.84 0.50 | 52.10 2.37 0.59 | 59.21 2.87 1.11 | 64.02 3.41 1.50 | 69.61 3.84 1.59 | 76.88 4.44 1.55 | 89.00 5.09 2.41 | 99.00 5.51 1.51 | 117.59 6.42 1.51 | 102.60 5.91 1.77 | 78.74 4.21 -1.89 | 69.28 3.25 -3.40 | 57.10 2.65 1.93 | 47.30 2.58 4.03 | 37.84 2.05 3.59 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 60.43 3.07 -20.82 | 45.10 2.71 -8.03 | 40.38 2.12 -6.20 | 37.62 2.01 -4.24 | 36.89 2.01 -4.45 | 37.89 2.00 -4.18 | 40.51 2.53 -3.78 | 43.92 3.20 -2.99 | 55.53 3.83 -10.02 | 70.46 4.21 -18.90 | 59.02 4.58 -4.12 | 65.94 5.46 -3.03 | 74.32 6.40 -5.82 | 78.23 6.94 -3.93 | 86.87 7.99 -4.88 | 175.93 9.92 -79.69 | 199.22 10.54 -93.68 | 203.22 12.28 -78.26 | 141.78 10.43 -32.89 | 83.01 6.97 -3.40 | 79.45 5.95 -10.87 | 67.25 4.90 -5.97 | 54.61 4.29 -1.58 | 49.17 3.55 -6.24 |
| PJM_GEN_VFT_PROXY 323633 | 39.24 2.70 0.00 | 36.69 2.34 0.00 | 33.76 1.70 0.00 | 32.90 1.54 0.00 | 31.98 1.55 0.00 | 33.26 1.55 0.00 | 36.35 2.16 0.00 | 40.63 2.91 0.00 | 43.36 3.46 1.78 | 43.84 3.60 7.11 | 45.92 3.97 8.38 | 46.37 4.83 15.92 | 46.42 5.71 21.39 | 50.81 6.13 22.68 | 59.15 7.25 22.09 | 74.76 9.15 20.70 | 82.95 9.50 21.55 | 102.22 11.05 21.51 | 82.15 9.16 25.47 | 60.02 5.96 18.58 | 51.24 5.07 16.45 | 47.92 4.11 12.57 | 42.30 3.75 10.20 | 39.02 3.23 3.59 |
| PLATSBURG_115KV_PMLD1 355749 | 35.99 -0.55 0.00 | 34.46 0.10 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.36 0.17 0.00 | 37.54 -0.19 0.00 | 41.38 -0.29 0.00 | 46.93 -0.43 0.00 | 49.77 -0.55 0.00 | 56.77 -0.69 0.00 | 60.42 -1.68 0.00 | 65.47 -1.89 0.00 | 70.66 -3.33 0.00 | 82.61 -3.71 0.00 | 91.20 -3.80 0.00 | 108.40 -4.28 0.00 | 94.42 -4.04 0.00 | 70.53 -2.11 0.00 | 61.44 -1.19 0.00 | 55.08 -1.30 0.00 | 48.06 -0.68 0.00 | 38.83 -0.55 0.00 |
| PLEASANTVLY___LBMP 24000 | 38.84 2.30 0.00 | 36.14 1.79 0.00 | 33.64 1.57 0.00 | 32.84 1.47 0.00 | 31.92 1.49 0.00 | 33.16 1.46 0.00 | 35.97 1.78 0.00 | 40.06 2.34 0.00 | 44.47 2.79 0.00 | 50.43 3.08 0.00 | 53.69 3.37 0.00 | 61.36 3.91 0.00 | 66.63 4.53 0.00 | 72.28 4.92 0.00 | 79.68 5.70 0.00 | 94.17 7.25 -0.60 | 102.60 7.60 0.00 | 121.47 8.79 0.00 | 105.94 7.48 0.00 | 77.51 4.87 0.00 | 66.82 4.20 0.00 | 59.99 3.61 0.00 | 51.87 3.12 0.00 | 41.94 2.56 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 39.20 2.67 0.00 | 36.45 2.10 0.00 | 33.86 1.80 0.00 | 33.06 1.69 0.00 | 32.13 1.70 0.00 | 33.39 1.68 0.00 | 36.31 2.12 0.00 | 40.48 2.75 0.00 | 45.01 3.33 0.00 | 51.05 3.69 0.00 | 54.45 4.13 0.00 | 62.34 4.88 0.00 | 67.88 5.78 0.00 | 73.69 6.33 0.00 | 81.31 7.32 0.00 | 96.55 9.24 -1.00 | 104.78 9.78 0.00 | 124.06 11.38 0.00 | 108.01 9.55 0.00 | 78.89 6.25 0.00 | 67.95 5.32 0.00 | 60.83 4.45 0.00 | 52.55 3.80 0.00 | 42.50 3.11 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 39.20 2.67 0.00 | 36.45 2.10 0.00 | 33.86 1.80 0.00 | 33.06 1.69 0.00 | 32.13 1.70 0.00 | 33.39 1.68 0.00 | 36.31 2.12 0.00 | 40.48 2.75 0.00 | 45.01 3.33 0.00 | 51.05 3.69 0.00 | 54.45 4.13 0.00 | 62.34 4.88 0.00 | 67.88 5.78 0.00 | 73.69 6.33 0.00 | 81.31 7.32 0.00 | 96.55 9.24 -1.00 | 104.78 9.78 0.00 | 124.06 11.38 0.00 | 108.01 9.55 0.00 | 78.89 6.25 0.00 | 67.95 5.32 0.00 | 60.83 4.45 0.00 | 52.55 3.80 0.00 | 42.50 3.11 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 39.31 2.78 0.00 | 36.52 2.16 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.35 2.15 0.00 | 40.37 2.64 0.00 | 44.84 3.17 0.00 | 50.90 3.55 0.00 | 54.25 3.93 0.00 | 61.99 4.54 0.00 | 67.25 5.15 0.00 | 72.95 5.59 0.00 | 80.20 6.21 0.00 | 94.52 7.94 -0.26 | 103.46 8.46 0.00 | 122.71 10.03 0.00 | 106.93 8.47 0.00 | 78.23 5.59 0.00 | 67.39 4.76 0.00 | 60.55 4.17 0.00 | 52.35 3.61 0.00 | 42.30 2.91 0.00 |
| POLETTI____ 23519 | 39.39 2.85 0.00 | 36.55 2.20 0.00 | 33.89 1.83 0.00 | 33.06 1.69 0.00 | 32.13 1.70 0.00 | 33.39 1.68 0.00 | 36.42 2.22 0.00 | 40.74 3.02 0.00 | 45.26 3.58 0.00 | 51.18 3.84 0.01 | 54.60 4.28 0.00 | 62.51 5.06 0.00 | 68.00 5.90 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 107.91 9.45 0.00 | 78.74 6.10 0.00 | 67.95 5.32 0.00 | 60.89 4.51 0.00 | 52.79 4.05 0.00 | 42.77 3.39 0.00 |
| POMONA___ESR 323819 | 38.95 2.41 0.00 | 36.45 2.10 0.00 | 33.67 1.60 0.00 | 32.84 1.47 0.00 | 31.95 1.52 0.00 | 33.17 1.46 0.00 | 36.07 1.88 0.00 | 40.06 2.34 0.00 | 44.55 2.87 0.00 | 50.57 3.22 0.00 | 53.89 3.57 0.00 | 61.82 4.36 0.00 | 67.19 5.09 0.00 | 72.88 5.52 0.00 | 80.42 6.43 0.00 | 92.22 8.11 2.21 | 103.55 8.55 0.00 | 122.71 10.03 0.00 | 106.93 8.47 0.00 | 78.31 5.67 0.00 | 67.33 4.70 0.00 | 60.21 3.84 0.00 | 52.06 3.32 0.00 | 42.06 2.68 0.00 |
| PORT_JEFF_3 23555 | 79.14 3.84 -38.76 | 52.78 3.47 -14.96 | 46.33 2.72 -11.54 | 41.84 2.57 -7.90 | 41.28 2.56 -8.29 | 42.10 2.60 -7.79 | 44.41 3.18 -7.04 | 47.25 3.96 -5.57 | 65.17 4.83 -18.66 | 88.04 5.49 -35.20 | 69.53 5.39 -13.82 | 138.17 6.15 -74.56 | 270.97 7.14 -201.73 | 288.13 7.68 -213.09 | 275.23 8.80 -192.44 | 277.86 10.79 -180.76 | 292.77 11.20 -186.56 | 283.31 13.18 -157.45 | 267.16 11.42 -157.28 | 255.56 7.92 -175.00 | 276.70 6.83 -207.24 | 219.37 5.64 -157.35 | 69.53 5.07 -15.71 | 64.16 4.33 -20.44 |
| PORT_JEFF_4 23616 | 79.14 3.84 -38.76 | 52.78 3.47 -14.96 | 46.33 2.72 -11.54 | 41.84 2.57 -7.90 | 41.28 2.56 -8.29 | 42.10 2.60 -7.79 | 44.41 3.18 -7.04 | 47.25 3.96 -5.57 | 65.17 4.83 -18.66 | 88.04 5.49 -35.20 | 69.53 5.39 -13.82 | 138.17 6.15 -74.56 | 270.97 7.14 -201.73 | 288.13 7.68 -213.09 | 275.23 8.80 -192.44 | 277.86 10.79 -180.76 | 292.77 11.20 -186.56 | 283.31 13.18 -157.45 | 267.16 11.42 -157.28 | 255.56 7.92 -175.00 | 276.70 6.83 -207.24 | 219.37 5.64 -157.35 | 69.53 5.07 -15.71 | 64.16 4.33 -20.44 |

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| PORT_JEFF_IC 23713 | 79.21 3.91 -38.76 | 52.54 3.23 -14.96 | 46.39 2.79 -11.54 | 41.90 2.63 -7.90 | 41.31 2.59 -8.29 | 42.13 2.63 -7.79 | 44.45 3.21 -7.04 | 47.33 4.04 -5.57 | 65.25 4.92 -18.66 | 88.14 5.59 -35.20 | 70.77 5.69 -14.76 | 147.45 6.09 -83.91 | 300.17 7.14 -230.93 | 319.60 7.68 -244.56 | 303.20 8.73 -220.48 | 282.90 10.70 -185.88 | 292.72 11.11 -186.60 | 283.24 13.07 -157.49 | 281.75 11.32 -171.97 | 281.89 7.48 -201.76 | 306.63 6.76 -237.24 | 241.58 5.81 -179.40 | 70.22 5.26 -16.21 | 64.61 4.45 -20.77 |
| PPL PILGRIM_ST_GT1 24216 | 79.32 4.02 -38.76 | 52.88 3.57 -14.96 | 46.45 2.85 -11.54 | 41.99 2.73 -7.90 | 41.43 2.71 -8.29 | 42.25 2.76 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.33 5.00 -18.66 | 88.17 5.63 -35.19 | 64.94 5.68 -8.93 | 100.57 6.55 -36.57 | 119.36 7.14 -50.12 | 124.83 7.81 -49.66 | 129.83 9.02 -46.82 | 251.52 11.05 -154.15 | 293.39 11.49 -186.90 | 283.97 13.52 -157.77 | 191.18 11.71 -81.01 | 116.64 7.99 -36.01 | 120.94 6.83 -51.49 | 104.89 5.64 -42.88 | 71.26 5.41 -17.10 | 62.53 4.41 -18.74 |
| PPL PILGRIM_ST_GT2 24217 | 79.32 4.02 -38.76 | 52.88 3.57 -14.96 | 46.45 2.85 -11.54 | 41.99 2.73 -7.90 | 41.43 2.71 -8.29 | 42.25 2.76 -7.79 | 44.59 3.35 -7.04 | 47.44 4.15 -5.57 | 65.33 5.00 -18.66 | 88.17 5.63 -35.19 | 64.94 5.68 -8.93 | 100.57 6.55 -36.57 | 119.36 7.14 -50.12 | 124.83 7.81 -49.66 | 129.83 9.02 -46.82 | 251.52 11.05 -154.15 | 293.39 11.49 -186.90 | 283.97 13.52 -157.77 | 191.18 11.71 -81.01 | 116.64 7.99 -36.01 | 120.94 6.83 -51.49 | 104.89 5.64 -42.88 | 71.26 5.41 -17.10 | 62.53 4.41 -18.74 |
| PPL_SHRM_GT3 24213 | 79.07 3.76 -38.76 | 52.68 3.37 -14.96 | 46.20 2.60 -11.54 | 41.71 2.45 -7.90 | 41.16 2.43 -8.29 | 41.97 2.47 -7.79 | 44.28 3.04 -7.04 | 47.14 3.85 -5.57 | 65.12 4.79 -18.66 | 87.99 5.44 -35.20 | 69.91 5.63 -13.95 | 140.10 6.72 -75.93 | 275.72 7.82 -205.79 | 293.18 8.35 -217.47 | 279.88 9.55 -196.34 | 279.43 11.65 -181.47 | 293.56 11.97 -186.59 | 284.35 14.20 -157.47 | 270.78 13.00 -159.32 | 260.15 8.79 -178.72 | 281.87 7.83 -211.41 | 223.22 6.42 -160.42 | 70.06 5.51 -15.81 | 64.36 4.49 -20.49 |
| PPL_SHRM_GT4 24214 | 79.07 3.76 -38.76 | 52.68 3.37 -14.96 | 46.20 2.60 -11.54 | 41.71 2.45 -7.90 | 41.16 2.43 -8.29 | 41.97 2.47 -7.79 | 44.28 3.04 -7.04 | 47.14 3.85 -5.57 | 65.12 4.79 -18.66 | 87.99 5.44 -35.20 | 69.91 5.63 -13.95 | 140.10 6.72 -75.93 | 275.72 7.82 -205.79 | 293.18 8.35 -217.47 | 279.88 9.55 -196.34 | 279.43 11.65 -181.47 | 293.56 11.97 -186.59 | 284.35 14.20 -157.47 | 270.78 13.00 -159.32 | 260.15 8.79 -178.72 | 281.87 7.83 -211.41 | 223.22 6.42 -160.42 | 70.06 5.51 -15.81 | 64.36 4.49 -20.49 |
| PROJECT___ORANGE 1 24174 | 37.44 0.22 -0.68 | 34.69 -0.10 -0.44 | 32.10 -0.16 -0.19 | 31.33 -0.16 -0.12 | 30.26 -0.18 -0.02 | 31.77 -0.10 -0.15 | 34.83 0.07 -0.56 | 38.90 0.30 -0.87 | 43.13 0.25 -1.20 | 49.52 0.38 -1.79 | 53.12 0.55 -2.24 | 61.12 0.69 -2.98 | 66.36 0.81 -3.45 | 71.98 0.94 -3.68 | 79.46 1.11 -4.36 | 92.90 0.95 -5.63 | 102.15 1.14 -6.01 | 120.82 1.35 -6.79 | 105.99 1.28 -6.25 | 78.04 1.02 -4.38 | 66.74 0.63 -3.49 | 59.85 0.62 -2.85 | 51.41 0.58 -2.08 | 40.86 0.35 -1.12 |
| PROJECT___ORANGE 2 24166 | 37.44 0.22 -0.68 | 34.69 -0.10 -0.44 | 32.10 -0.16 -0.19 | 31.33 -0.16 -0.12 | 30.26 -0.18 -0.02 | 31.77 -0.10 -0.15 | 34.83 0.07 -0.56 | 38.90 0.30 -0.87 | 43.13 0.25 -1.20 | 49.52 0.38 -1.79 | 53.12 0.55 -2.24 | 61.12 0.69 -2.98 | 66.36 0.81 -3.45 | 71.98 0.94 -3.68 | 79.46 1.11 -4.36 | 92.90 0.95 -5.63 | 102.15 1.14 -6.01 | 120.82 1.35 -6.79 | 105.99 1.28 -6.25 | 78.04 1.02 -4.38 | 66.74 0.63 -3.49 | 59.85 0.62 -2.85 | 51.41 0.58 -2.08 | 40.86 0.35 -1.12 |
| PUCKETT___SOLAR 323809 | 38.81 1.83 -0.45 | 36.15 1.51 -0.29 | 33.28 1.09 -0.13 | 32.54 1.10 -0.08 | 31.38 0.94 -0.01 | 33.01 1.20 -0.10 | 36.10 1.54 -0.37 | 40.29 2.00 -0.57 | 44.38 1.92 -0.79 | 50.75 2.23 -1.17 | 54.31 2.52 -1.47 | 62.45 3.04 -1.96 | 67.59 3.23 -2.26 | 73.47 3.70 -2.41 | 80.99 4.14 -2.86 | 94.34 4.40 -3.63 | 104.16 5.22 -3.94 | 123.44 6.31 -4.45 | 108.77 6.21 -4.10 | 80.38 4.87 -2.88 | 68.80 3.88 -2.29 | 61.74 3.50 -1.87 | 53.23 3.12 -1.36 | 42.52 2.40 -0.73 |
| PYRITES___HYD 24023 | 35.67 -1.06 -0.19 | 34.13 -0.34 -0.12 | 31.83 -0.29 -0.05 | 31.12 -0.28 -0.03 | 30.13 -0.30 -0.01 | 31.59 -0.16 -0.04 | 34.05 -0.31 -0.16 | 37.03 -0.94 -0.25 | 40.51 -1.50 -0.34 | 46.20 -1.66 -0.50 | 48.94 -2.01 -0.63 | 55.71 -2.59 -0.84 | 59.91 -3.17 -0.97 | 64.76 -3.64 -1.04 | 70.63 -4.59 -1.23 | 82.47 -5.44 -1.59 | 91.09 -5.61 -1.70 | 108.17 -6.42 -1.91 | 94.61 -5.61 -1.76 | 70.32 -3.56 -1.24 | 60.92 -2.69 -0.98 | 54.98 -2.20 -0.80 | 47.43 -1.90 -0.59 | 38.32 -1.38 -0.32 |
| QUAKERRD_115KV_BK1 80622 | 36.39 -0.15 0.00 | 33.60 -0.76 0.00 | 31.26 -0.80 0.00 | 30.61 -0.75 0.00 | 29.54 -0.88 0.00 | 31.04 -0.67 0.00 | 33.85 -0.34 0.00 | 37.69 -0.04 0.00 | 41.38 -0.29 0.00 | 47.16 -0.19 0.00 | 50.42 0.10 0.00 | 57.51 0.06 0.00 | 62.29 0.19 0.00 | 67.69 0.34 0.00 | 74.36 0.37 0.00 | 86.14 -0.17 0.00 | 95.00 0.00 0.00 | 112.57 -0.11 0.00 | 98.76 0.30 0.00 | 73.08 0.44 0.00 | 62.56 -0.06 0.00 | 56.43 0.06 0.00 | 49.14 0.39 0.00 | 39.58 0.20 0.00 |
| QUENSBRY_115KV_TB8 356137 | 39.50 2.96 0.00 | 36.79 2.44 0.00 | 34.15 2.08 0.00 | 33.34 1.98 0.00 | 32.40 1.98 0.00 | 33.74 2.03 0.00 | 36.38 2.19 0.00 | 40.37 2.64 0.00 | 44.93 3.25 0.00 | 51.05 3.69 0.00 | 53.74 3.42 0.00 | 61.53 4.08 0.00 | 66.51 4.41 0.00 | 71.40 4.04 0.00 | 78.65 4.66 0.00 | 92.40 5.87 -0.22 | 102.32 7.32 0.00 | 122.26 9.58 0.00 | 107.52 9.06 0.00 | 79.18 6.54 0.00 | 68.20 5.57 0.00 | 61.28 4.90 0.00 | 52.40 3.66 0.00 | 42.22 2.84 0.00 |
| RAMAPO___LBMP 323565 | 38.80 2.27 0.00 | 36.04 1.68 0.00 | 33.54 1.48 0.00 | 32.75 1.38 0.00 | 31.83 1.40 0.00 | 33.07 1.36 0.00 | 35.94 1.74 0.00 | 39.99 2.26 0.00 | 44.43 2.75 0.00 | 50.38 3.03 0.00 | 53.74 3.42 0.00 | 61.48 4.02 0.00 | 66.82 4.72 0.00 | 72.54 5.19 0.00 | 79.98 5.99 0.00 | 91.91 7.60 2.00 | 103.07 8.07 0.00 | 122.15 9.47 0.00 | 106.44 7.98 0.00 | 77.80 5.16 0.00 | 67.07 4.45 0.00 | 60.10 3.72 0.00 | 51.92 3.17 0.00 | 41.94 2.56 0.00 |
| RANKINE____ 23646 | 37.96 1.42 0.00 | 34.49 0.14 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.27 -0.15 0.00 | 32.02 0.32 0.00 | 35.08 0.89 0.00 | 39.23 1.51 0.00 | 42.84 1.17 0.00 | 48.77 1.42 0.00 | 52.49 2.16 0.00 | 59.87 2.41 0.00 | 65.08 2.98 0.00 | 70.93 3.57 0.00 | 77.84 3.85 0.00 | 89.52 3.19 0.00 | 98.52 3.51 0.00 | 116.63 3.94 0.00 | 102.80 4.33 0.00 | 76.42 3.78 0.00 | 65.07 2.44 0.00 | 58.86 2.48 0.00 | 51.77 3.02 0.00 | 41.87 2.48 0.00 |
| RAVENSWOOD_GT2_1 24244 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.65 4.33 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.06 11.38 0.00 | 107.91 9.45 0.00 | 78.74 6.10 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |
| RAVENSWOOD_GT2_2 24245 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.65 4.33 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.06 11.38 0.00 | 107.91 9.45 0.00 | 78.74 6.10 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |

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| RAVENSWOOD_GT2_3 24246 | 39.50 2.96 0.00 | 36.65 2.30 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.52 2.33 0.00 | 40.86 3.13 0.00 | 45.38 3.71 0.00 | 51.33 3.98 0.00 | 54.70 4.38 0.00 | 62.63 5.17 0.00 | 68.12 6.02 0.00 | 73.82 6.47 0.00 | 81.53 7.55 0.00 | 97.18 9.58 -1.28 | 104.97 9.97 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.82 6.17 0.00 | 68.08 5.45 0.00 | 61.06 4.68 0.00 | 52.94 4.19 0.00 | 42.89 3.51 0.00 |
| RAVENSWOOD_GT2_4 24247 | 39.50 2.96 0.00 | 36.65 2.30 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.52 2.33 0.00 | 40.86 3.13 0.00 | 45.38 3.71 0.00 | 51.33 3.98 0.00 | 54.70 4.38 0.00 | 62.63 5.17 0.00 | 68.12 6.02 0.00 | 73.82 6.47 0.00 | 81.53 7.55 0.00 | 97.18 9.58 -1.28 | 104.97 9.97 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.82 6.17 0.00 | 68.08 5.45 0.00 | 61.06 4.68 0.00 | 52.94 4.19 0.00 | 42.89 3.51 0.00 |
| RAVENSWOOD_GT3_1 24248 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.74 6.10 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.89 3.51 0.00 |
| RAVENSWOOD_GT3_2 24249 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.74 6.10 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.89 3.51 0.00 |
| RAVENSWOOD_GT3_3 24250 | 39.53 3.00 0.00 | 36.69 2.34 0.00 | 34.02 1.96 0.00 | 33.19 1.82 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.47 3.79 0.00 | 51.43 4.07 0.00 | 54.80 4.48 0.00 | 62.74 5.29 0.00 | 68.25 6.15 0.00 | 73.96 6.60 0.00 | 81.61 7.62 0.00 | 97.36 9.75 -1.28 | 105.17 10.16 0.00 | 124.40 11.72 0.00 | 108.21 9.75 0.00 | 78.96 6.32 0.00 | 68.20 5.57 0.00 | 61.11 4.74 0.00 | 52.99 4.24 0.00 | 42.93 3.54 0.00 |
| RAVENSWOOD_GT3_4 24251 | 39.53 3.00 0.00 | 36.69 2.34 0.00 | 34.02 1.96 0.00 | 33.19 1.82 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.55 2.36 0.00 | 40.89 3.17 0.00 | 45.47 3.79 0.00 | 51.43 4.07 0.00 | 54.80 4.48 0.00 | 62.74 5.29 0.00 | 68.25 6.15 0.00 | 73.96 6.60 0.00 | 81.61 7.62 0.00 | 97.36 9.75 -1.28 | 105.17 10.16 0.00 | 124.40 11.72 0.00 | 108.21 9.75 0.00 | 78.96 6.32 0.00 | 68.20 5.57 0.00 | 61.11 4.74 0.00 | 52.99 4.24 0.00 | 42.93 3.54 0.00 |
| RAVENSWOOD_GT_1 23729 | 39.64 3.11 0.00 | 36.76 2.40 0.00 | 34.09 2.02 0.00 | 33.25 1.88 0.00 | 32.31 1.89 0.00 | 33.55 1.84 0.00 | 36.62 2.43 0.00 | 41.02 3.28 -0.01 | 45.60 3.92 -0.01 | 51.43 4.07 0.00 | 54.75 4.43 0.00 | 62.63 5.17 -0.01 | 68.01 5.90 -0.01 | 73.77 6.40 -0.01 | 81.39 7.40 -0.01 | 97.11 9.49 -1.29 | 104.78 9.78 0.00 | 123.95 11.27 0.00 | 106.14 9.35 1.68 | 78.44 5.88 0.09 | 63.99 5.26 3.90 | 60.95 4.57 -0.01 | 53.05 4.29 -0.01 | 44.14 3.70 -1.06 |
| RAVENSWOOD_GT_10 24258 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.82 6.17 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |
| RAVENSWOOD_GT_11 24259 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.82 6.17 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |
| RAVENSWOOD_GT_4 24252 | 39.42 2.89 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.12 1.76 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.78 3.06 0.01 | 45.34 3.67 0.01 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.63 5.17 -0.01 | 68.13 6.02 -0.01 | 73.83 6.47 -0.01 | 81.54 7.55 -0.01 | 97.19 9.58 -1.29 | 104.97 9.97 0.00 | 124.29 11.61 0.00 | 106.83 9.65 1.28 | 78.82 6.25 0.07 | 65.11 5.45 2.97 | 61.06 4.68 -0.01 | 52.90 4.14 -0.01 | 43.64 3.47 -0.79 |
| RAVENSWOOD_GT_5 24254 | 39.42 2.89 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.12 1.76 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.78 3.06 0.01 | 45.34 3.67 0.01 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.63 5.17 -0.01 | 68.13 6.02 -0.01 | 73.83 6.47 -0.01 | 81.54 7.55 -0.01 | 97.19 9.58 -1.29 | 104.97 9.97 0.00 | 124.29 11.61 0.00 | 106.83 9.65 1.28 | 78.82 6.25 0.07 | 65.11 5.45 2.97 | 61.06 4.68 -0.01 | 52.90 4.14 -0.01 | 43.64 3.47 -0.79 |
| RAVENSWOOD_GT_6 24253 | 39.42 2.89 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.12 1.76 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.78 3.06 0.01 | 45.34 3.67 0.01 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.63 5.17 -0.01 | 68.13 6.02 -0.01 | 73.83 6.47 -0.01 | 81.54 7.55 -0.01 | 97.19 9.58 -1.29 | 104.97 9.97 0.00 | 124.29 11.61 0.00 | 106.83 9.65 1.28 | 78.82 6.25 0.07 | 65.11 5.45 2.97 | 61.06 4.68 -0.01 | 52.90 4.14 -0.01 | 43.64 3.47 -0.79 |
| RAVENSWOOD_GT_7 24255 | 39.42 2.89 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.12 1.76 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.78 3.06 0.01 | 45.34 3.67 0.01 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.63 5.17 -0.01 | 68.13 6.02 -0.01 | 73.83 6.47 -0.01 | 81.54 7.55 -0.01 | 97.19 9.58 -1.29 | 104.97 9.97 0.00 | 124.29 11.61 0.00 | 106.83 9.65 1.28 | 78.82 6.25 0.07 | 65.11 5.45 2.97 | 61.06 4.68 -0.01 | 52.90 4.14 -0.01 | 43.64 3.47 -0.79 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.82 6.17 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |
| RAVENSWOOD_GT_9 24257 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.48 2.29 0.00 | 40.82 3.09 0.00 | 45.34 3.67 0.00 | 51.28 3.93 0.00 | 54.70 4.38 0.00 | 62.57 5.11 0.00 | 68.06 5.96 0.00 | 73.76 6.40 0.00 | 81.46 7.47 0.00 | 97.10 9.49 -1.28 | 104.88 9.88 0.00 | 124.17 11.49 0.00 | 108.01 9.55 0.00 | 78.82 6.17 0.00 | 68.01 5.39 0.00 | 61.00 4.62 0.00 | 52.89 4.14 0.00 | 42.85 3.47 0.00 |

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| RAVENSWOOD___1 23533 | 39.61 3.07 0.00 | 37.00 2.65 0.00 | 34.09 2.02 0.00 | 33.22 1.85 0.00 | 32.28 1.86 0.00 | 33.51 1.81 0.00 | 36.66 2.46 0.00 | 40.98 3.24 -0.01 | 45.60 3.92 -0.01 | 51.38 4.02 0.00 | 54.65 4.33 0.00 | 62.68 5.23 0.00 | 68.12 6.02 0.00 | 73.89 6.53 0.00 | 81.68 7.69 0.00 | 97.27 9.67 -1.28 | 104.79 9.79 0.00 | 124.06 11.38 0.00 | 103.99 9.45 3.92 | 78.47 6.03 0.20 | 58.88 5.32 9.06 | 60.83 4.45 0.00 | 52.99 4.24 0.00 | 43.09 3.70 -0.01 |
| RAVENSWOOD___2 23534 | 39.50 2.96 0.00 | 36.93 2.58 0.00 | 33.99 1.92 0.00 | 33.15 1.79 0.00 | 32.22 1.79 0.00 | 33.45 1.74 0.00 | 36.55 2.36 0.00 | 40.90 3.17 -0.01 | 45.48 3.79 -0.01 | 51.28 3.93 0.00 | 54.45 4.13 0.00 | 62.17 4.71 0.00 | 67.57 5.47 0.00 | 73.22 5.86 0.00 | 81.02 7.03 0.00 | 96.41 8.81 -1.28 | 103.93 8.93 0.00 | 123.04 10.36 0.00 | 103.04 8.56 3.98 | 77.81 5.38 0.21 | 58.18 4.76 9.20 | 60.38 4.00 0.00 | 52.89 4.14 0.00 | 43.01 3.62 -0.01 |
| RAVENSWOOD___3 23535 | 39.46 2.92 0.00 | 36.89 2.54 0.00 | 33.99 1.92 0.00 | 33.15 1.79 0.00 | 32.19 1.76 0.00 | 33.45 1.74 0.00 | 36.52 2.33 0.00 | 40.82 3.09 0.00 | 45.38 3.71 0.00 | 51.28 3.93 0.00 | 54.65 4.33 0.00 | 62.68 5.23 0.00 | 68.19 6.09 0.00 | 73.89 6.53 0.00 | 81.68 7.69 0.00 | 97.27 9.67 -1.28 | 104.97 9.97 0.00 | 124.29 11.61 0.00 | 108.21 9.75 0.00 | 79.04 6.39 0.00 | 68.14 5.51 0.00 | 60.89 4.51 0.00 | 52.89 4.14 0.00 | 42.89 3.50 0.00 |
| RAVENSWOOD___4 23820 | 39.57 3.03 0.00 | 36.96 2.61 0.00 | 34.05 1.99 0.00 | 33.18 1.82 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.62 2.43 0.00 | 40.98 3.24 -0.01 | 45.56 3.88 -0.01 | 51.38 4.02 0.00 | 54.65 4.33 0.00 | 62.62 5.17 0.01 | 68.05 5.96 0.01 | 73.82 6.47 0.01 | 81.60 7.62 0.01 | 97.17 9.58 -1.28 | 104.69 9.69 0.00 | 123.95 11.27 0.00 | 101.62 9.36 6.20 | 78.35 6.03 0.32 | 53.58 5.26 14.31 | 60.77 4.40 0.01 | 52.98 4.24 0.01 | 42.02 3.66 1.03 |
| RCPL_TRUST___DRP 24196 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.52 2.33 0.00 | 40.86 3.13 0.00 | 45.43 3.75 0.00 | 51.43 4.07 0.00 | 54.85 4.53 0.00 | 62.74 5.29 0.00 | 68.31 6.21 0.00 | 74.09 6.74 0.00 | 81.83 7.84 0.00 | 97.44 9.84 -1.29 | 105.45 10.45 0.00 | 124.74 12.06 0.00 | 108.50 10.04 0.00 | 79.11 6.47 0.00 | 68.20 5.57 0.00 | 61.11 4.74 0.00 | 52.94 4.19 0.00 | 42.85 3.47 0.00 |
| RED___ROCHESTER 323720 | 37.56 1.02 0.00 | 34.90 0.55 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.33 -0.09 0.00 | 31.93 0.22 0.00 | 34.84 0.65 0.00 | 38.86 1.13 0.00 | 42.55 0.88 0.00 | 48.58 1.23 0.00 | 52.13 1.81 0.00 | 59.52 2.07 0.00 | 64.27 2.17 0.00 | 69.78 2.42 0.00 | 76.73 2.74 0.00 | 88.82 2.50 0.00 | 98.23 3.23 0.00 | 116.18 3.50 0.00 | 102.00 3.54 0.00 | 75.25 2.61 0.00 | 64.44 1.82 0.00 | 58.24 1.86 0.00 | 50.75 2.00 0.00 | 40.88 1.50 0.00 |
| REGAN___SOLAR 323812 | 42.31 5.77 0.00 | 39.50 5.15 0.00 | 36.36 4.30 0.00 | 35.51 4.14 0.00 | 34.35 3.93 0.00 | 36.05 4.34 0.00 | 39.05 4.85 0.00 | 43.35 5.62 0.00 | 47.97 6.29 0.00 | 54.17 6.82 0.00 | 57.52 7.20 0.00 | 66.13 8.68 0.00 | 71.36 9.25 0.00 | 77.26 9.91 0.00 | 84.94 10.95 0.00 | 99.50 13.04 -0.15 | 109.16 14.16 0.00 | 130.48 17.80 0.00 | 114.81 16.35 0.00 | 85.06 12.42 0.00 | 73.21 10.59 0.00 | 66.02 9.64 0.00 | 56.40 7.65 0.00 | 45.21 5.83 0.00 |
| RENSSELAER___COGEN 23796 | 37.82 1.28 0.00 | 35.59 1.23 0.00 | 33.09 1.03 0.00 | 32.37 1.00 0.00 | 31.46 1.04 0.00 | 32.66 0.95 0.00 | 35.15 0.96 0.00 | 38.86 1.13 0.00 | 42.92 1.25 0.00 | 48.73 1.37 0.00 | 51.58 1.26 0.00 | 58.72 1.26 0.00 | 63.34 1.24 0.00 | 68.63 1.28 0.00 | 75.61 1.63 0.00 | 88.88 2.33 -0.23 | 97.38 2.38 0.00 | 115.50 2.82 0.00 | 100.92 2.46 0.00 | 74.31 1.67 0.00 | 64.00 1.38 0.00 | 57.79 1.41 0.00 | 49.92 1.17 0.00 | 40.37 0.99 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 42.20 5.66 0.00 | 39.20 4.84 0.00 | 36.30 4.23 0.00 | 35.41 4.05 0.00 | 34.38 3.96 0.00 | 35.92 4.22 0.00 | 38.74 4.55 0.00 | 42.97 5.24 0.00 | 48.05 6.38 0.00 | 54.55 7.20 0.00 | 57.47 7.15 0.00 | 65.96 8.50 0.00 | 71.11 9.00 0.00 | 76.32 8.96 0.00 | 83.90 9.91 0.00 | 98.62 12.08 -0.22 | 109.25 14.25 0.00 | 131.16 18.48 0.00 | 115.40 16.94 0.00 | 85.06 12.42 0.00 | 73.21 10.58 0.00 | 65.91 9.53 0.00 | 56.01 7.26 0.00 | 44.98 5.59 0.00 |
| REVERE_CPPR_DRP 24186 | 39.04 2.16 -0.34 | 36.33 1.75 -0.22 | 33.74 1.57 -0.10 | 32.97 1.54 -0.06 | 31.81 1.37 -0.01 | 33.40 1.62 -0.08 | 36.32 1.85 -0.28 | 40.13 1.96 -0.44 | 44.36 2.08 -0.61 | 50.67 2.41 -0.90 | 54.02 2.57 -1.13 | 62.00 3.05 -1.50 | 66.82 2.98 -1.74 | 72.58 3.37 -1.86 | 79.89 3.70 -2.20 | 92.78 3.63 -2.84 | 102.59 4.56 -3.03 | 121.74 5.63 -3.42 | 106.83 5.22 -3.15 | 78.92 4.07 -2.21 | 67.77 3.38 -1.76 | 61.03 3.21 -1.44 | 52.48 2.68 -1.05 | 42.39 2.44 -0.56 |
| REYNOLDS_115KV_TB3 80639 | 38.11 1.57 0.00 | 35.66 1.31 0.00 | 33.28 1.22 0.00 | 32.53 1.16 0.00 | 31.64 1.22 0.00 | 32.82 1.11 0.00 | 35.36 1.16 0.00 | 39.16 1.43 0.00 | 43.34 1.67 0.00 | 49.25 1.89 0.00 | 52.08 1.76 0.00 | 59.29 1.84 0.00 | 64.09 1.99 0.00 | 69.45 2.09 0.00 | 76.50 2.52 0.00 | 89.93 3.37 -0.24 | 98.61 3.61 0.00 | 116.96 4.28 0.00 | 102.20 3.74 0.00 | 75.11 2.47 0.00 | 64.82 2.19 0.00 | 58.41 2.03 0.00 | 50.36 1.61 0.00 | 40.72 1.34 0.00 |
| RIVERBAY____ 323610 | 40.24 3.69 -0.01 | 37.31 2.95 -0.01 | 34.61 2.53 -0.01 | 33.73 2.35 -0.01 | 32.75 2.31 -0.01 | 34.03 2.31 -0.01 | 37.07 2.87 -0.01 | 41.43 3.70 -0.01 | 45.93 4.25 -0.01 | 51.76 4.40 0.00 | 55.21 4.88 -0.01 | 63.09 5.63 -0.01 | 68.57 6.46 -0.01 | 74.30 6.94 -0.01 | 82.06 8.06 -0.01 | 97.97 10.36 -1.29 | 105.55 10.54 -0.01 | 124.97 12.28 -0.01 | 108.71 10.24 -0.01 | 79.19 6.54 -0.01 | 68.52 5.89 -0.01 | 61.52 5.13 -0.01 | 53.63 4.87 -0.01 | 43.53 4.14 -0.01 |
| RIVERSIDE_115KV_TB3 55908 | 38.04 1.50 0.00 | 35.59 1.24 0.00 | 33.25 1.19 0.00 | 32.50 1.13 0.00 | 31.58 1.16 0.00 | 32.78 1.08 0.00 | 35.29 1.09 0.00 | 39.08 1.36 0.00 | 43.22 1.54 0.00 | 49.10 1.75 0.00 | 51.93 1.61 0.00 | 59.18 1.72 0.00 | 63.90 1.80 0.00 | 69.31 1.95 0.00 | 76.28 2.29 0.00 | 89.66 3.11 -0.24 | 98.32 3.32 0.00 | 116.51 3.83 0.00 | 101.81 3.35 0.00 | 74.89 2.25 0.00 | 64.57 1.94 0.00 | 58.29 1.92 0.00 | 50.21 1.46 0.00 | 40.61 1.22 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 36.21 -0.33 0.00 | 34.11 -0.24 0.00 | 31.91 -0.16 0.00 | 31.21 -0.16 0.00 | 30.27 -0.15 0.00 | 31.55 -0.16 0.00 | 33.99 -0.20 0.00 | 37.42 -0.30 0.00 | 41.34 -0.33 0.00 | 46.93 -0.43 0.00 | 49.87 -0.45 0.00 | 56.82 -0.63 0.00 | 61.23 -0.87 0.00 | 66.28 -1.08 0.00 | 72.73 -1.26 0.00 | 84.85 -1.47 0.00 | 93.48 -1.52 0.00 | 110.87 -1.81 0.00 | 96.79 -1.67 0.00 | 71.48 -1.17 0.00 | 61.75 -0.88 0.00 | 55.64 -0.73 0.00 | 48.26 -0.49 0.00 | 38.99 -0.39 0.00 |
| ROCHESRG_115KV_T4 355643 | 37.09 0.55 0.00 | 34.11 -0.24 0.00 | 31.74 -0.32 0.00 | 31.08 -0.28 0.00 | 29.97 -0.46 0.00 | 31.55 -0.16 0.00 | 34.43 0.24 0.00 | 38.37 0.64 0.00 | 42.05 0.38 0.00 | 47.87 0.52 0.00 | 51.28 0.96 0.00 | 58.37 0.92 0.00 | 63.28 1.18 0.00 | 68.77 1.41 0.00 | 75.62 1.63 0.00 | 87.44 1.12 0.00 | 96.42 1.42 0.00 | 114.26 1.58 0.00 | 100.33 1.87 0.00 | 74.31 1.67 0.00 | 63.50 0.88 0.00 | 57.39 1.01 0.00 | 50.06 1.32 0.00 | 40.41 1.02 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|
| ROCHESTER_9_IC 23652 | 37.34 0.80 0.00 | 34.35 0.00 0.00 | 31.97 -0.10 0.00 | 31.27 -0.09 0.00 | 30.18 -0.24 0.00 | 31.77 0.06 0.00 | 34.64 0.44 0.00 | 38.63 0.91 0.00 | 42.34 0.67 0.00 | 48.25 0.90 0.00 | 51.68 1.36 0.00 | 58.89 1.44 0.00 | 63.84 1.74 0.00 | 69.31 1.95 0.00 | 76.21 2.22 0.00 | 88.13 1.81 0.00 | 97.28 2.28 0.00 | 115.27 2.59 0.00 | 101.12 2.66 0.00 | 74.89 2.25 0.00 | 64.01 1.38 0.00 | 57.84 1.47 0.00 | 50.45 1.71 0.00 | 40.68 1.30 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 39.42 2.89 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.19 1.82 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.48 2.29 0.00 | 40.74 3.02 0.00 | 45.30 3.63 0.00 | 51.38 4.02 0.00 | 54.85 4.53 0.00 | 62.74 5.29 0.00 | 68.37 6.27 0.00 | 74.30 6.94 0.00 | 81.98 7.99 0.00 | 97.61 10.01 -1.28 | 105.64 10.64 0.00 | 125.07 12.39 0.00 | 108.90 10.44 0.00 | 79.47 6.83 0.00 | 68.45 5.82 0.00 | 61.23 4.85 0.00 | 52.89 4.14 0.00 | 42.77 3.39 0.00 |
| ROME____115KV_TB2 80656 | 39.04 2.16 -0.34 | 36.33 1.75 -0.22 | 33.74 1.57 -0.10 | 32.97 1.54 -0.06 | 31.81 1.37 -0.01 | 33.40 1.62 -0.08 | 36.32 1.85 -0.28 | 40.13 1.96 -0.44 | 44.36 2.08 -0.61 | 50.67 2.41 -0.90 | 54.02 2.57 -1.13 | 62.00 3.05 -1.50 | 66.82 2.98 -1.74 | 72.58 3.37 -1.86 | 79.89 3.70 -2.20 | 92.78 3.63 -2.84 | 102.59 4.56 -3.03 | 121.74 5.63 -3.42 | 106.83 5.22 -3.15 | 78.92 4.07 -2.21 | 67.77 3.38 -1.76 | 61.03 3.21 -1.44 | 52.48 2.68 -1.05 | 42.39 2.44 -0.56 |
| ROSETON____1 23587 | 38.73 2.19 0.00 | 36.28 1.92 0.00 | 33.54 1.48 0.00 | 32.75 1.38 0.00 | 31.83 1.40 0.00 | 33.07 1.36 0.00 | 35.90 1.71 0.00 | 39.91 2.19 0.00 | 44.35 2.67 0.00 | 50.29 2.94 0.00 | 53.49 3.17 0.00 | 61.30 3.85 0.00 | 66.51 4.41 0.00 | 72.14 4.78 0.00 | 79.54 5.55 0.00 | 93.31 6.99 0.00 | 102.32 7.32 0.00 | 121.36 8.68 0.00 | 105.75 7.29 0.00 | 77.51 4.87 0.00 | 66.70 4.07 0.00 | 59.76 3.38 0.00 | 51.72 2.97 0.00 | 41.83 2.44 0.00 |
| ROSETON____2 23588 | 38.73 2.19 0.00 | 36.28 1.92 0.00 | 33.54 1.48 0.00 | 32.75 1.38 0.00 | 31.83 1.40 0.00 | 33.07 1.36 0.00 | 35.90 1.71 0.00 | 39.91 2.19 0.00 | 44.35 2.67 0.00 | 50.29 2.94 0.00 | 53.49 3.17 0.00 | 61.30 3.85 0.00 | 66.51 4.41 0.00 | 72.14 4.78 0.00 | 79.54 5.55 0.00 | 93.31 6.99 0.00 | 102.32 7.32 0.00 | 121.36 8.68 0.00 | 105.75 7.29 0.00 | 77.51 4.87 0.00 | 66.70 4.07 0.00 | 59.76 3.38 0.00 | 51.72 2.97 0.00 | 41.83 2.44 0.00 |
| ROTTDAM_115KV_TB3 80664 | 38.22 1.68 0.00 | 35.73 1.37 0.00 | 33.28 1.22 0.00 | 32.56 1.19 0.00 | 31.61 1.19 0.00 | 32.88 1.17 0.00 | 35.46 1.27 0.00 | 39.31 1.58 0.00 | 43.55 1.88 0.00 | 49.44 2.08 0.00 | 52.44 2.11 0.00 | 59.87 2.41 0.00 | 64.77 2.67 0.00 | 70.19 2.83 0.00 | 77.24 3.26 0.00 | 90.49 3.97 -0.21 | 99.46 4.46 0.00 | 118.09 5.41 0.00 | 103.28 4.82 0.00 | 76.06 3.41 0.00 | 65.57 2.94 0.00 | 59.03 2.65 0.00 | 50.84 2.10 0.00 | 41.08 1.69 0.00 |
| RUSSELL____1 23602 | 37.56 1.02 0.00 | 34.56 0.21 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.33 -0.09 0.00 | 31.93 0.22 0.00 | 34.84 0.65 0.00 | 38.86 1.13 0.00 | 42.63 0.96 0.00 | 48.58 1.23 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.27 2.17 0.00 | 69.78 2.42 0.00 | 76.73 2.74 0.00 | 88.73 2.42 0.00 | 97.94 2.95 0.00 | 116.06 3.38 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 64.51 1.88 0.00 | 58.24 1.86 0.00 | 50.75 2.00 0.00 | 40.88 1.50 0.00 |
| RUSSELL____2 23532 | 37.56 1.02 0.00 | 34.56 0.21 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.33 -0.09 0.00 | 31.93 0.22 0.00 | 34.84 0.65 0.00 | 38.86 1.13 0.00 | 42.63 0.96 0.00 | 48.58 1.23 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.27 2.17 0.00 | 69.78 2.42 0.00 | 76.73 2.74 0.00 | 88.73 2.42 0.00 | 97.94 2.95 0.00 | 116.06 3.38 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 64.51 1.88 0.00 | 58.24 1.86 0.00 | 50.75 2.00 0.00 | 40.88 1.50 0.00 |
| RUSSELL____3 23549 | 37.56 1.02 0.00 | 34.56 0.21 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.33 -0.09 0.00 | 31.93 0.22 0.00 | 34.84 0.65 0.00 | 38.86 1.13 0.00 | 42.63 0.96 0.00 | 48.58 1.23 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.27 2.17 0.00 | 69.78 2.42 0.00 | 76.73 2.74 0.00 | 88.73 2.42 0.00 | 97.94 2.95 0.00 | 116.06 3.38 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 64.51 1.88 0.00 | 58.24 1.86 0.00 | 50.75 2.00 0.00 | 40.88 1.50 0.00 |
| RUSSELL____4 23556 | 37.56 1.02 0.00 | 34.56 0.21 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.33 -0.09 0.00 | 31.93 0.22 0.00 | 34.84 0.65 0.00 | 38.86 1.13 0.00 | 42.63 0.96 0.00 | 48.58 1.23 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.27 2.17 0.00 | 69.78 2.42 0.00 | 76.73 2.74 0.00 | 88.73 2.42 0.00 | 97.94 2.95 0.00 | 116.06 3.38 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 64.51 1.88 0.00 | 58.24 1.86 0.00 | 50.75 2.00 0.00 | 40.88 1.50 0.00 |
| RUSSELL____STATION 23914 | 37.56 1.02 0.00 | 34.56 0.21 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.33 -0.09 0.00 | 31.93 0.22 0.00 | 34.84 0.65 0.00 | 38.86 1.13 0.00 | 42.63 0.96 0.00 | 48.58 1.23 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.27 2.17 0.00 | 69.78 2.42 0.00 | 76.73 2.74 0.00 | 88.73 2.42 0.00 | 97.94 2.95 0.00 | 116.06 3.38 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 64.51 1.88 0.00 | 58.24 1.86 0.00 | 50.75 2.00 0.00 | 40.88 1.50 0.00 |
| S SALMON____HYD 24043 | 38.51 0.37 -1.61 | 35.61 0.21 -1.05 | 32.53 0.00 -0.46 | 31.69 0.03 -0.29 | 30.41 -0.06 -0.05 | 32.17 0.10 -0.36 | 35.77 0.24 -1.33 | 40.20 0.42 -2.06 | 44.68 0.17 -2.84 | 51.86 0.29 -4.23 | 55.98 0.35 -5.31 | 64.79 0.29 -7.04 | 70.38 0.12 -8.16 | 76.19 0.13 -8.69 | 84.44 0.15 -10.31 | 99.64 0.00 -13.32 | 109.30 0.10 -14.20 | 129.06 0.34 -16.05 | 113.73 0.49 -14.77 | 83.73 0.73 -10.36 | 71.32 0.44 -8.25 | 63.79 0.68 -6.73 | 54.34 0.68 -4.91 | 42.58 0.55 -2.65 |
| S.PERRY__115KV_TB1 80734 | 38.98 2.45 0.00 | 35.73 1.37 0.00 | 33.25 1.19 0.00 | 32.53 1.16 0.00 | 31.37 0.94 0.00 | 33.16 1.46 0.00 | 36.21 2.02 0.00 | 40.14 2.41 0.00 | 43.59 1.92 0.00 | 47.87 0.52 0.00 | 51.18 0.86 0.00 | 56.13 -1.32 0.00 | 60.73 -1.37 0.00 | 66.08 -1.28 0.00 | 72.73 -1.26 0.00 | 83.90 -2.42 0.00 | 92.72 -2.28 0.00 | 109.98 -2.70 0.00 | 98.26 -0.20 0.00 | 73.73 1.09 0.00 | 63.07 0.44 0.00 | 56.94 0.56 0.00 | 51.57 2.83 0.00 | 42.73 3.35 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 37.45 0.91 0.00 | 34.04 -0.31 0.00 | 31.71 -0.35 0.00 | 31.08 -0.28 0.00 | 29.88 -0.55 0.00 | 31.61 -0.10 0.00 | 34.60 0.41 0.00 | 38.63 0.91 0.00 | 42.18 0.50 0.00 | 47.97 0.62 0.00 | 51.63 1.31 0.00 | 58.83 1.38 0.00 | 63.96 1.86 0.00 | 69.72 2.36 0.00 | 76.50 2.52 0.00 | 87.87 1.55 0.00 | 96.71 1.71 0.00 | 114.60 1.92 0.00 | 101.02 2.56 0.00 | 75.04 2.40 0.00 | 63.94 1.32 0.00 | 57.90 1.52 0.00 | 50.99 2.24 0.00 | 41.28 1.89 0.00 |
| SAWYER____23_KV_LOAD 55526 | 37.45 0.91 0.00 | 34.04 -0.31 0.00 | 31.71 -0.35 0.00 | 31.08 -0.28 0.00 | 29.88 -0.55 0.00 | 31.61 -0.10 0.00 | 34.60 0.41 0.00 | 38.63 0.91 0.00 | 42.18 0.50 0.00 | 47.97 0.62 0.00 | 51.63 1.31 0.00 | 58.83 1.38 0.00 | 63.96 1.86 0.00 | 69.72 2.36 0.00 | 76.50 2.52 0.00 | 87.87 1.55 0.00 | 96.71 1.71 0.00 | 114.60 1.92 0.00 | 101.02 2.56 0.00 | 75.04 2.40 0.00 | 63.94 1.32 0.00 | 57.90 1.52 0.00 | 50.99 2.24 0.00 | 41.28 1.89 0.00 |

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|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| SELKIRK___I 23801 | 38.14 1.61 0.00 | 35.86 1.51 0.00 | 33.35 1.28 0.00 | 32.62 1.26 0.00 | 31.70 1.28 0.00 | 32.91 1.20 0.00 | 35.39 1.20 0.00 | 39.08 1.36 0.00 | 43.13 1.46 0.00 | 48.87 1.51 0.00 | 51.68 1.36 0.00 | 58.60 1.15 0.00 | 63.34 1.24 0.00 | 68.70 1.35 0.00 | 75.69 1.70 0.00 | 88.86 2.33 -0.21 | 97.47 2.47 0.00 | 115.83 3.15 0.00 | 101.32 2.86 0.00 | 74.82 2.18 0.00 | 64.50 1.88 0.00 | 58.35 1.97 0.00 | 50.41 1.66 0.00 | 40.76 1.38 0.00 |
| SELKIRK___II 23799 | 37.89 1.35 0.00 | 35.62 1.27 0.00 | 33.12 1.06 0.00 | 32.40 1.03 0.00 | 31.46 1.04 0.00 | 32.69 0.98 0.00 | 35.19 0.99 0.00 | 38.93 1.21 0.00 | 43.05 1.37 0.00 | 48.87 1.51 0.00 | 51.73 1.41 0.00 | 58.54 1.09 0.00 | 63.22 1.12 0.00 | 68.57 1.21 0.00 | 75.47 1.48 0.00 | 88.61 2.07 -0.22 | 97.09 2.09 0.00 | 115.05 2.37 0.00 | 100.62 2.16 0.00 | 74.17 1.53 0.00 | 63.88 1.25 0.00 | 58.01 1.64 0.00 | 50.11 1.36 0.00 | 40.53 1.14 0.00 |
| SENECA OSWGO___HYD 24041 | 38.76 -0.04 -2.26 | 35.65 -0.17 -1.47 | 32.36 -0.35 -0.65 | 31.43 -0.34 -0.40 | 30.13 -0.36 -0.07 | 31.93 -0.29 -0.51 | 35.93 -0.14 -1.88 | 40.66 0.04 -2.89 | 45.54 -0.12 -3.99 | 53.20 -0.09 -5.94 | 57.83 0.05 -7.46 | 67.53 0.17 -9.90 | 73.75 0.19 -11.46 | 79.85 0.27 -12.22 | 88.77 0.30 -14.49 | 105.21 0.17 -18.72 | 115.34 0.38 -19.96 | 135.57 0.34 -22.55 | 119.71 0.49 -20.76 | 87.71 0.51 -14.56 | 74.41 0.19 -11.60 | 66.01 0.17 -9.46 | 55.90 0.24 -6.91 | 43.22 0.12 -3.72 |
| SENECA___115KV_TB3 355854 | 38.04 1.50 0.00 | 34.56 0.21 0.00 | 32.19 0.13 0.00 | 31.52 0.16 0.00 | 30.30 -0.12 0.00 | 32.09 0.38 0.00 | 35.15 0.96 0.00 | 39.31 1.58 0.00 | 42.93 1.25 0.00 | 48.87 1.52 0.00 | 52.59 2.26 0.00 | 59.98 2.53 0.00 | 65.27 3.17 0.00 | 71.13 3.77 0.00 | 78.06 4.07 0.00 | 89.69 3.37 0.00 | 98.71 3.70 0.00 | 116.85 4.17 0.00 | 103.09 4.63 0.00 | 76.57 3.92 0.00 | 65.20 2.57 0.00 | 58.97 2.59 0.00 | 51.92 3.17 0.00 | 41.94 2.56 0.00 |
| SENECA___ENERGY 23797 | 38.17 0.73 -0.90 | 35.38 0.45 -0.59 | 32.42 0.10 -0.26 | 31.62 0.09 -0.16 | 30.45 0.00 -0.03 | 32.16 0.25 -0.20 | 35.56 0.62 -0.75 | 39.97 1.09 -1.15 | 44.10 0.83 -1.59 | 50.76 1.04 -2.36 | 54.65 1.36 -2.97 | 63.06 1.67 -3.94 | 68.46 1.80 -4.56 | 74.24 2.02 -4.86 | 81.97 2.22 -5.76 | 95.75 1.99 -7.45 | 105.41 2.47 -7.94 | 124.02 2.37 -8.97 | 109.27 2.56 -8.26 | 80.97 2.54 -5.79 | 68.99 1.75 -4.61 | 61.72 1.58 -3.76 | 52.96 1.46 -2.75 | 41.85 0.99 -1.48 |
| SHOEMAKER___GT 23640 | 38.58 2.04 0.00 | 36.14 1.79 0.00 | 33.44 1.38 0.00 | 32.65 1.29 0.00 | 31.73 1.31 0.00 | 32.98 1.27 0.00 | 35.77 1.57 0.00 | 39.69 1.96 0.00 | 44.05 2.37 0.00 | 49.96 2.60 0.00 | 53.19 2.87 0.00 | 60.96 3.51 0.00 | 66.08 3.98 0.00 | 71.67 4.31 0.00 | 78.95 4.96 0.00 | 91.20 6.13 1.25 | 101.46 6.46 0.00 | 120.35 7.67 0.00 | 105.06 6.60 0.00 | 77.15 4.51 0.00 | 66.38 3.76 0.00 | 59.53 3.16 0.00 | 51.52 2.78 0.00 | 41.59 2.20 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 38.58 2.05 0.00 | 35.90 1.55 0.00 | 33.41 1.35 0.00 | 32.65 1.29 0.00 | 31.70 1.28 0.00 | 32.94 1.24 0.00 | 35.73 1.54 0.00 | 39.69 1.96 0.00 | 44.01 2.33 0.00 | 49.96 2.60 0.00 | 53.24 2.92 0.00 | 60.84 3.39 0.00 | 66.01 3.91 0.00 | 71.60 4.24 0.00 | 78.87 4.88 0.00 | 91.17 6.04 1.19 | 101.46 6.46 0.00 | 120.23 7.55 0.00 | 104.86 6.40 0.00 | 77.00 4.36 0.00 | 66.32 3.70 0.00 | 59.59 3.21 0.00 | 51.48 2.73 0.00 | 41.59 2.21 0.00 |
| SHOREHAM_IC_1 23715 | 79.07 3.76 -38.76 | 52.68 3.37 -14.96 | 46.20 2.60 -11.54 | 41.71 2.45 -7.90 | 41.16 2.43 -8.29 | 41.97 2.47 -7.79 | 44.28 3.04 -7.04 | 47.14 3.85 -5.57 | 65.12 4.79 -18.66 | 87.99 5.44 -35.20 | 69.91 5.63 -13.95 | 140.10 6.72 -75.93 | 275.72 7.82 -205.79 | 293.18 8.35 -217.47 | 279.88 9.55 -196.34 | 279.43 11.65 -181.47 | 293.56 11.97 -186.59 | 284.35 14.20 -157.47 | 270.78 13.00 -159.32 | 260.15 8.79 -178.72 | 281.87 7.83 -211.41 | 223.22 6.42 -160.42 | 70.06 5.51 -15.81 | 64.36 4.49 -20.49 |
| SHOREHAM_IC_2 23716 | 79.07 3.76 -38.76 | 52.68 3.37 -14.96 | 46.20 2.60 -11.54 | 41.71 2.45 -7.90 | 41.16 2.43 -8.29 | 41.97 2.47 -7.79 | 44.28 3.04 -7.04 | 47.14 3.85 -5.57 | 65.12 4.79 -18.66 | 87.99 5.44 -35.20 | 69.91 5.63 -13.95 | 140.10 6.72 -75.93 | 275.72 7.82 -205.79 | 293.18 8.35 -217.47 | 279.88 9.55 -196.34 | 279.43 11.65 -181.47 | 293.56 11.97 -186.59 | 284.35 14.20 -157.47 | 270.78 13.00 -159.32 | 260.15 8.79 -178.72 | 281.87 7.83 -211.41 | 223.22 6.42 -160.42 | 70.06 5.51 -15.81 | 64.36 4.49 -20.49 |
| SISSONVILLE____ 23735 | 35.25 -1.50 -0.21 | 33.70 -0.79 -0.14 | 31.42 -0.71 -0.06 | 30.71 -0.69 -0.04 | 29.73 -0.70 -0.01 | 31.12 -0.63 -0.05 | 33.58 -0.79 -0.17 | 36.52 -1.47 -0.27 | 39.84 -2.21 -0.37 | 45.39 -2.51 -0.55 | 48.14 -2.87 -0.69 | 54.75 -3.62 -0.91 | 58.88 -4.28 -1.06 | 63.70 -4.78 -1.13 | 69.48 -5.85 -1.34 | 81.31 -6.73 -1.73 | 89.72 -7.13 -1.85 | 106.54 -8.23 -2.08 | 93.09 -7.29 -1.92 | 69.12 -4.87 -1.35 | 59.88 -3.82 -1.07 | 54.04 -3.21 -0.87 | 46.75 -2.63 -0.64 | 37.84 -1.89 -0.34 |
| SITHE_IND_GS1 24169 | 29.22 -0.77 6.55 | 29.26 -0.82 4.27 | 29.29 -0.90 1.88 | 29.32 -0.88 1.17 | 29.34 -0.88 0.20 | 29.37 -0.85 1.48 | 27.97 -0.79 5.44 | 28.58 -0.75 8.39 | 29.19 -0.92 11.57 | 29.13 -1.00 17.23 | 27.74 -0.96 21.62 | 27.71 -1.03 28.71 | 27.74 -1.12 33.24 | 30.71 -1.21 35.44 | 30.71 -1.26 42.02 | 30.39 -1.64 54.28 | 35.40 -1.71 57.90 | 45.13 -2.14 65.40 | 36.58 -1.67 60.21 | 29.18 -1.24 42.23 | 27.80 -1.19 33.64 | 27.87 -1.07 27.43 | 27.89 -0.83 20.03 | 27.89 -0.71 10.79 |
| SITHE_IND_GS2 24170 | 29.22 -0.77 6.55 | 29.26 -0.82 4.27 | 29.29 -0.90 1.88 | 29.32 -0.88 1.17 | 29.34 -0.88 0.20 | 29.37 -0.85 1.48 | 27.97 -0.79 5.44 | 28.58 -0.75 8.39 | 29.19 -0.92 11.57 | 29.13 -1.00 17.23 | 27.74 -0.96 21.62 | 27.71 -1.03 28.71 | 27.74 -1.12 33.24 | 30.71 -1.21 35.44 | 30.71 -1.26 42.02 | 30.39 -1.64 54.28 | 35.40 -1.71 57.90 | 45.13 -2.14 65.40 | 36.58 -1.67 60.21 | 29.18 -1.24 42.23 | 27.80 -1.19 33.64 | 27.87 -1.07 27.43 | 27.89 -0.83 20.03 | 27.89 -0.71 10.79 |
| SITHE_IND_GS3 24171 | 29.22 -0.77 6.55 | 29.26 -0.82 4.27 | 29.29 -0.90 1.88 | 29.32 -0.88 1.17 | 29.34 -0.88 0.20 | 29.37 -0.85 1.48 | 27.97 -0.79 5.44 | 28.58 -0.75 8.39 | 29.19 -0.92 11.57 | 29.13 -1.00 17.23 | 27.74 -0.96 21.62 | 27.71 -1.03 28.71 | 27.74 -1.12 33.24 | 30.71 -1.21 35.44 | 30.71 -1.26 42.02 | 30.39 -1.64 54.28 | 35.40 -1.71 57.90 | 45.13 -2.14 65.40 | 36.58 -1.67 60.21 | 29.18 -1.24 42.23 | 27.80 -1.19 33.64 | 27.87 -1.07 27.43 | 27.89 -0.83 20.03 | 27.89 -0.71 10.79 |
| SITHE_IND_GS4 24172 | 29.22 -0.77 6.55 | 29.26 -0.82 4.27 | 29.29 -0.90 1.88 | 29.32 -0.88 1.17 | 29.34 -0.88 0.20 | 29.37 -0.85 1.48 | 27.97 -0.79 5.44 | 28.58 -0.75 8.39 | 29.19 -0.92 11.57 | 29.13 -1.00 17.23 | 27.74 -0.96 21.62 | 27.71 -1.03 28.71 | 27.74 -1.12 33.24 | 30.71 -1.21 35.44 | 30.71 -1.26 42.02 | 30.39 -1.64 54.28 | 35.40 -1.71 57.90 | 45.13 -2.14 65.40 | 36.58 -1.67 60.21 | 29.18 -1.24 42.23 | 27.80 -1.19 33.64 | 27.87 -1.07 27.43 | 27.89 -0.83 20.03 | 27.89 -0.71 10.79 |
| SITHE___BATAVIA 24024 | 38.07 1.53 0.00 | 35.24 0.89 0.00 | 32.19 0.13 0.00 | 31.65 0.28 0.00 | 30.37 -0.06 0.00 | 32.18 0.48 0.00 | 35.19 0.99 0.00 | 39.35 1.62 0.00 | 42.80 1.13 0.00 | 48.82 1.47 0.00 | 52.59 2.27 0.00 | 59.87 2.41 0.00 | 64.71 2.61 0.00 | 70.52 3.17 0.00 | 77.46 3.48 0.00 | 89.16 2.84 0.00 | 98.70 3.70 0.00 | 116.73 4.05 0.00 | 103.09 4.63 0.00 | 76.20 3.56 0.00 | 65.14 2.51 0.00 | 58.92 2.54 0.00 | 51.62 2.88 0.00 | 41.71 2.32 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|-------------------------|-------------------------|
| SITHE___INDEPEND 23800 | 29.22 -0.77 6.55 | 29.16 -0.93 4.27 | 29.29 -0.90 1.88 | 29.32 -0.88 1.17 | 29.34 -0.88 0.20 | 29.37 -0.86 1.48 | 27.93 -0.82 5.44 | 28.58 -0.75 8.39 | 29.19 -0.92 11.57 | 29.13 -0.99 17.23 | 27.74 -0.96 21.62 | 27.65 -1.09 28.71 | 27.74 -1.12 33.24 | 30.71 -1.21 35.44 | 30.64 -1.33 42.02 | 30.31 -1.73 54.28 | 35.30 -1.81 57.90 | 45.14 -2.14 65.40 | 36.48 -1.77 60.21 | 29.18 -1.23 42.23 | 27.80 -1.19 33.64 | 27.87 -1.07 27.43 | 27.89 -0.83 20.03 | 27.89 -0.71 10.79 |
| SITHE___MASSENA 23902 | 35.15 -1.39 0.00 | 33.36 -1.00 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.85 -0.58 0.00 | 31.14 -0.57 0.00 | 33.41 -0.79 0.00 | 36.44 -1.28 0.00 | 40.09 -1.58 0.00 | 45.55 -1.80 0.00 | 48.26 -2.07 0.00 | 54.76 -2.70 0.00 | 59.06 -3.04 0.00 | 63.99 -3.37 0.00 | 69.62 -4.37 0.00 | 81.31 -5.01 0.00 | 89.78 -5.22 0.00 | 106.59 -6.09 0.00 | 92.95 -5.51 0.00 | 68.72 -3.92 0.00 | 59.87 -2.75 0.00 | 54.12 -2.26 0.00 | 46.70 -2.05 0.00 | 37.77 -1.62 0.00 |
| SITHE___OGDNSBRG 24021 | 35.44 -1.10 0.00 | 34.01 -0.34 0.00 | 31.78 -0.29 0.00 | 31.08 -0.28 0.00 | 30.12 -0.30 0.00 | 31.52 -0.19 0.00 | 33.82 -0.38 0.00 | 36.71 -1.02 0.00 | 40.22 -1.46 0.00 | 45.70 -1.66 0.00 | 48.31 -2.01 0.00 | 54.98 -2.47 0.00 | 59.06 -3.04 0.00 | 63.86 -3.50 0.00 | 69.62 -4.37 0.00 | 81.14 -5.18 0.00 | 89.78 -5.23 0.00 | 106.71 -5.97 0.00 | 93.24 -5.22 0.00 | 69.37 -3.27 0.00 | 60.19 -2.44 0.00 | 54.29 -2.09 0.00 | 46.94 -1.80 0.00 | 38.05 -1.34 0.00 |
| SITHE___STERLING 23777 | 38.66 1.75 -0.37 | 36.10 1.51 -0.24 | 33.39 1.22 -0.11 | 32.62 1.19 -0.07 | 31.53 1.09 -0.01 | 33.06 1.27 -0.08 | 36.00 1.50 -0.31 | 39.67 1.47 -0.47 | 43.91 1.58 -0.65 | 50.17 1.84 -0.97 | 53.56 2.01 -1.22 | 61.54 2.47 -1.62 | 66.40 2.42 -1.88 | 72.12 2.76 -2.00 | 79.39 3.03 -2.37 | 92.40 3.02 -3.06 | 102.07 3.80 -3.27 | 120.99 4.62 -3.69 | 106.18 4.33 -3.40 | 78.37 3.34 -2.38 | 67.22 2.69 -1.90 | 60.40 2.48 -1.55 | 51.97 2.09 -1.13 | 42.04 2.05 -0.61 |
| SLEIGHT___34_KV_TB1 80719 | 37.30 0.51 -0.25 | 34.38 -0.14 -0.16 | 31.94 -0.19 -0.07 | 31.22 -0.19 -0.04 | 30.13 -0.30 -0.01 | 31.73 -0.03 -0.06 | 34.74 0.34 -0.21 | 38.84 0.79 -0.32 | 42.74 0.63 -0.44 | 48.86 0.85 -0.66 | 52.40 1.26 -0.83 | 59.99 1.44 -1.10 | 64.98 1.61 -1.27 | 70.60 1.89 -1.35 | 77.66 2.07 -1.60 | 90.20 1.81 -2.07 | 99.39 2.18 -2.21 | 117.77 2.59 -2.50 | 103.22 2.46 -2.30 | 76.36 2.11 -1.61 | 65.23 1.32 -1.28 | 58.72 1.30 -1.05 | 50.83 1.32 -0.76 | 40.70 0.91 -0.41 |
| SOUTH CAIRO___GT 23612 | 39.64 3.11 0.00 | 37.00 2.65 0.00 | 34.53 2.47 0.00 | 33.72 2.35 0.00 | 32.77 2.34 0.00 | 34.05 2.35 0.00 | 36.59 2.39 0.00 | 40.03 2.30 0.00 | 44.01 2.33 0.00 | 49.96 2.60 0.00 | 52.64 2.31 0.00 | 59.35 1.90 0.00 | 64.03 1.93 0.00 | 69.18 1.82 0.00 | 75.91 1.92 0.00 | 90.27 3.80 -0.16 | 98.32 3.32 0.00 | 117.41 4.73 0.00 | 103.09 3.41 0.00 | 76.06 3.41 0.00 | 65.45 2.82 0.00 | 59.87 3.50 0.00 | 51.72 2.97 0.00 | 41.63 2.24 0.00 |
| SOUTH HAMPTN___IC 23720 | 79.65 4.35 -38.76 | 53.22 3.91 -14.96 | 46.68 3.08 -11.54 | 42.15 2.88 -7.90 | 41.58 2.86 -8.29 | 42.45 2.95 -7.79 | 44.82 3.59 -7.04 | 47.82 4.52 -5.57 | 66.04 5.71 -18.66 | 89.18 6.63 -35.20 | 71.15 7.14 -13.69 | 139.23 8.50 -73.31 | 269.37 9.68 -197.59 | 286.08 10.10 -208.62 | 273.91 11.47 -188.46 | 280.33 13.98 -180.03 | 296.30 14.73 -186.57 | 287.60 17.47 -157.46 | 269.31 15.66 -155.19 | 254.45 10.61 -171.20 | 274.95 9.33 -202.98 | 218.60 8.00 -154.22 | 71.28 6.87 -15.66 | 65.34 5.55 -20.40 |
| SOUTHDOW_115KV_TB1 355954 | 39.42 2.89 0.00 | 35.76 1.41 0.00 | 33.32 1.25 0.00 | 32.62 1.25 0.00 | 31.43 1.00 0.00 | 33.29 1.59 0.00 | 36.66 2.46 0.00 | 41.23 3.51 0.00 | 45.05 3.38 0.00 | 51.14 3.79 0.00 | 55.15 4.83 0.00 | 62.80 5.34 0.00 | 68.25 6.15 0.00 | 74.50 7.14 0.00 | 81.69 7.69 0.00 | 93.83 7.51 0.00 | 103.08 8.07 0.00 | 122.04 9.35 0.00 | 107.72 9.26 0.00 | 80.20 7.55 0.00 | 68.33 5.70 0.00 | 61.56 5.19 0.00 | 54.01 5.26 0.00 | 43.60 4.21 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 80.09 4.79 -38.76 | 53.40 4.09 -14.96 | 47.03 3.43 -11.54 | 42.46 3.20 -7.90 | 41.88 3.16 -8.29 | 42.80 3.30 -7.79 | 45.23 4.00 -7.04 | 48.42 5.13 -5.57 | 66.92 6.58 -18.66 | 90.31 7.77 -35.20 | 72.62 8.61 -13.69 | 140.94 10.17 -73.31 | 271.34 11.55 -197.69 | 286.40 10.31 -208.74 | 274.16 11.62 -188.56 | 280.69 14.33 -180.05 | 296.68 15.10 -186.57 | 288.28 18.14 -157.46 | 270.15 16.44 -155.25 | 254.98 11.04 -171.30 | 275.43 9.71 -203.09 | 220.60 9.92 -154.30 | 72.79 8.38 -15.66 | 66.48 6.70 -20.40 |
| SOUTHOLD___IC 23719 | 80.09 4.79 -38.76 | 53.67 4.36 -14.96 | 47.03 3.43 -11.54 | 42.47 3.20 -7.90 | 41.88 3.16 -8.29 | 42.80 3.30 -7.79 | 45.23 4.00 -7.04 | 48.42 5.13 -5.57 | 66.96 6.63 -18.66 | 90.32 7.77 -35.20 | 72.62 8.60 -13.69 | 141.05 10.28 -73.31 | 271.46 11.67 -197.69 | 286.46 10.37 -208.74 | 274.38 11.83 -188.56 | 280.78 14.41 -180.05 | 296.96 15.39 -186.57 | 288.62 18.48 -157.46 | 270.45 16.74 -155.25 | 255.12 11.18 -171.30 | 275.55 9.83 -203.09 | 220.49 9.81 -154.30 | 72.80 8.39 -15.66 | 66.48 6.70 -20.40 |
| SOUTH_FORK_WT_PWR 323839 | 79.87 4.57 -38.76 | 53.46 4.15 -14.96 | 46.87 3.27 -11.54 | 42.28 3.01 -7.90 | 41.70 2.98 -8.29 | 42.64 3.14 -7.79 | 45.10 3.86 -7.04 | 48.31 5.02 -5.57 | 66.92 6.58 -18.66 | 90.36 7.81 -35.20 | 72.67 8.66 -13.69 | 141.15 10.40 -73.29 | 271.48 11.74 -197.64 | 287.02 10.98 -208.68 | 275.00 12.51 -188.51 | 281.55 15.20 -180.04 | 297.81 16.24 -186.57 | 289.63 19.50 -157.46 | 271.51 17.83 -155.22 | 255.95 12.06 -171.24 | 276.25 10.59 -203.03 | 220.50 9.86 -154.26 | 72.94 8.53 -15.66 | 66.56 6.78 -20.40 |
| SPIERFLS_115KV_TB 1 80737 | 39.17 2.63 0.00 | 36.52 2.16 0.00 | 33.89 1.83 0.00 | 33.09 1.73 0.00 | 32.16 1.73 0.00 | 33.48 1.78 0.00 | 36.11 1.91 0.00 | 40.03 2.30 0.00 | 44.55 2.88 0.00 | 50.62 3.27 0.00 | 53.24 2.92 0.00 | 60.96 3.50 0.00 | 65.89 3.79 0.00 | 70.73 3.37 0.00 | 77.84 3.85 0.00 | 91.45 4.92 -0.22 | 101.37 6.37 0.00 | 121.13 8.45 0.00 | 106.44 7.98 0.00 | 78.45 5.81 0.00 | 67.51 4.88 0.00 | 60.72 4.34 0.00 | 51.96 3.22 0.00 | 41.87 2.48 0.00 |
| ST LAWRENCE____ 23600 | 35.19 -1.35 0.00 | 33.29 -1.07 0.00 | 31.39 -0.67 0.00 | 30.68 -0.69 0.00 | 29.79 -0.64 0.00 | 31.04 -0.67 0.00 | 33.30 -0.89 0.00 | 36.40 -1.32 0.00 | 40.18 -1.50 0.00 | 45.65 -1.70 0.00 | 48.41 -1.91 0.00 | 54.99 -2.47 0.00 | 59.37 -2.73 0.00 | 64.33 -3.03 0.00 | 70.22 -3.77 0.00 | 82.00 -4.31 0.00 | 90.35 -4.65 0.00 | 107.27 -5.41 0.00 | 93.64 -4.82 0.00 | 69.16 -3.49 0.00 | 60.06 -2.57 0.00 | 54.24 -2.14 0.00 | 46.80 -1.95 0.00 | 37.85 -1.54 0.00 |
| STATE_CA_115KV_115_LB 55624 | 38.07 1.53 0.00 | 35.66 1.31 0.00 | 33.32 1.25 0.00 | 32.56 1.19 0.00 | 31.64 1.22 0.00 | 32.88 1.17 0.00 | 35.32 1.13 0.00 | 39.16 1.43 0.00 | 43.30 1.63 0.00 | 49.15 1.80 0.00 | 52.08 1.76 0.00 | 59.29 1.84 0.00 | 64.03 1.93 0.00 | 69.45 2.09 0.00 | 76.43 2.44 0.00 | 89.74 3.19 -0.23 | 98.42 3.42 0.00 | 116.74 4.06 0.00 | 102.00 3.54 0.00 | 75.04 2.40 0.00 | 64.69 2.07 0.00 | 58.41 2.03 0.00 | 50.31 1.56 0.00 | 40.68 1.30 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 38.42 0.84 -1.04 | 35.44 0.41 -0.68 | 32.69 0.32 -0.30 | 31.84 0.28 -0.19 | 30.67 0.21 -0.03 | 32.35 0.41 -0.24 | 35.78 0.72 -0.87 | 40.23 1.17 -1.33 | 44.64 1.13 -1.84 | 51.47 1.37 -2.74 | 55.32 1.56 -3.44 | 63.92 1.90 -4.57 | 69.50 2.11 -5.29 | 75.35 2.36 -5.64 | 83.26 2.59 -6.69 | 97.63 2.68 -8.64 | 107.16 2.95 -9.21 | 126.58 3.49 -10.41 | 111.39 3.35 -9.58 | 82.12 2.76 -6.72 | 69.98 2.00 -5.35 | 62.60 1.86 -4.36 | 53.54 1.61 -3.19 | 42.20 1.10 -1.72 |

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| STATION 5_MISC_HYD 23604 | 37.34 0.80 0.00 | 34.73 0.38 0.00 | 31.97 -0.10 0.00 | 31.30 -0.06 0.00 | 30.18 -0.24 0.00 | 31.77 0.06 0.00 | 34.67 0.48 0.00 | 38.63 0.90 0.00 | 42.26 0.58 0.00 | 48.25 0.90 0.00 | 51.78 1.46 0.00 | 59.06 1.61 0.00 | 63.84 1.74 0.00 | 69.38 2.02 0.00 | 76.21 2.22 0.00 | 88.21 1.90 0.00 | 97.57 2.57 0.00 | 115.27 2.59 0.00 | 101.32 2.86 0.00 | 74.75 2.11 0.00 | 64.00 1.38 0.00 | 57.84 1.46 0.00 | 50.45 1.71 0.00 | 40.64 1.26 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 37.83 1.02 -0.27 | 34.84 0.31 -0.17 | 32.33 0.19 -0.08 | 31.60 0.19 -0.05 | 30.50 0.06 -0.01 | 32.15 0.38 -0.06 | 35.20 0.79 -0.22 | 39.39 1.32 -0.34 | 43.27 1.13 -0.47 | 49.47 1.42 -0.70 | 53.06 1.86 -0.88 | 60.75 2.13 -1.17 | 65.81 2.36 -1.35 | 71.50 2.69 -1.44 | 78.73 3.03 -1.71 | 91.38 2.85 -2.21 | 100.49 3.13 -2.36 | 119.06 3.72 -2.66 | 104.55 3.64 -2.45 | 77.56 3.20 -1.72 | 66.19 2.19 -1.37 | 59.52 2.03 -1.12 | 51.56 2.00 -0.82 | 41.28 1.46 -0.44 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 37.12 0.58 0.00 | 34.18 -0.17 0.00 | 31.81 -0.26 0.00 | 31.12 -0.25 0.00 | 30.03 -0.40 0.00 | 31.61 -0.10 0.00 | 34.47 0.27 0.00 | 38.44 0.72 0.00 | 42.18 0.50 0.00 | 48.06 0.71 0.00 | 51.48 1.16 0.00 | 58.66 1.21 0.00 | 63.53 1.43 0.00 | 69.04 1.68 0.00 | 75.91 1.92 0.00 | 87.87 1.55 0.00 | 96.90 1.90 0.00 | 114.82 2.14 0.00 | 100.72 2.26 0.00 | 74.60 1.96 0.00 | 63.75 1.13 0.00 | 57.56 1.18 0.00 | 50.16 1.41 0.00 | 40.41 1.02 0.00 |
| STA_56___34_KV_BUS2 355983 | 37.12 0.58 0.00 | 34.18 -0.17 0.00 | 31.81 -0.26 0.00 | 31.12 -0.25 0.00 | 30.03 -0.40 0.00 | 31.61 -0.10 0.00 | 34.47 0.27 0.00 | 38.44 0.72 0.00 | 42.18 0.50 0.00 | 48.06 0.71 0.00 | 51.48 1.16 0.00 | 58.66 1.21 0.00 | 63.53 1.43 0.00 | 69.04 1.68 0.00 | 75.91 1.92 0.00 | 87.87 1.55 0.00 | 96.90 1.90 0.00 | 114.82 2.14 0.00 | 100.72 2.26 0.00 | 74.60 1.96 0.00 | 63.75 1.13 0.00 | 57.56 1.18 0.00 | 50.16 1.41 0.00 | 40.41 1.02 0.00 |
| STA_67___115KV_BK2 355882 | 37.23 0.69 0.00 | 34.25 -0.10 0.00 | 31.87 -0.19 0.00 | 31.21 -0.16 0.00 | 30.09 -0.33 0.00 | 31.67 -0.03 0.00 | 34.57 0.38 0.00 | 38.52 0.79 0.00 | 42.22 0.54 0.00 | 48.11 0.76 0.00 | 51.53 1.21 0.00 | 58.72 1.26 0.00 | 63.59 1.49 0.00 | 69.11 1.75 0.00 | 75.99 2.00 0.00 | 87.87 1.55 0.00 | 96.90 1.90 0.00 | 114.93 2.25 0.00 | 100.82 2.36 0.00 | 74.68 2.03 0.00 | 63.82 1.19 0.00 | 57.67 1.30 0.00 | 50.31 1.56 0.00 | 40.57 1.18 0.00 |
| STA_7___115KV_9TRANS 80674 | 37.56 1.02 0.00 | 34.56 0.21 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.33 -0.09 0.00 | 31.93 0.22 0.00 | 34.84 0.65 0.00 | 38.86 1.13 0.00 | 42.63 0.96 0.00 | 48.58 1.23 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.27 2.17 0.00 | 69.78 2.42 0.00 | 76.73 2.74 0.00 | 88.73 2.42 0.00 | 97.94 2.95 0.00 | 116.06 3.38 0.00 | 101.81 3.35 0.00 | 75.40 2.76 0.00 | 64.51 1.88 0.00 | 58.24 1.86 0.00 | 50.75 2.00 0.00 | 40.88 1.50 0.00 |
| STA_82___115KV_TB1 80780 | 37.23 0.69 0.00 | 34.28 -0.07 0.00 | 31.91 -0.16 0.00 | 31.21 -0.16 0.00 | 30.12 -0.30 0.00 | 31.71 0.00 0.00 | 34.57 0.38 0.00 | 38.55 0.83 0.00 | 42.26 0.58 0.00 | 48.11 0.76 0.00 | 51.53 1.21 0.00 | 58.72 1.26 0.00 | 63.59 1.49 0.00 | 69.18 1.82 0.00 | 75.99 2.00 0.00 | 87.87 1.55 0.00 | 97.00 2.00 0.00 | 114.93 2.25 0.00 | 100.82 2.36 0.00 | 74.68 2.03 0.00 | 63.88 1.25 0.00 | 57.67 1.30 0.00 | 50.31 1.56 0.00 | 40.57 1.18 0.00 |
| STEEL___WIND 323596 | 38.00 1.46 0.00 | 35.11 0.75 0.00 | 32.13 0.06 0.00 | 31.56 0.19 0.00 | 30.30 -0.12 0.00 | 32.06 0.35 0.00 | 35.15 0.96 0.00 | 39.27 1.55 0.00 | 42.80 1.13 0.00 | 48.82 1.47 0.00 | 52.69 2.37 0.00 | 60.10 2.64 0.00 | 65.20 3.10 0.00 | 71.06 3.70 0.00 | 77.91 3.92 0.00 | 89.68 3.36 0.00 | 98.99 3.99 0.00 | 116.86 4.17 0.00 | 103.19 4.73 0.00 | 76.35 3.70 0.00 | 65.14 2.51 0.00 | 58.92 2.54 0.00 | 51.82 3.07 0.00 | 41.91 2.52 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 38.33 1.79 0.00 | 35.86 1.51 0.00 | 33.48 1.41 0.00 | 32.72 1.35 0.00 | 31.80 1.37 0.00 | 33.04 1.33 0.00 | 35.53 1.33 0.00 | 39.35 1.62 0.00 | 43.51 1.83 0.00 | 49.39 2.04 0.00 | 52.33 2.01 0.00 | 59.52 2.07 0.00 | 64.21 2.11 0.00 | 69.65 2.29 0.00 | 76.65 2.66 0.00 | 90.09 3.54 -0.23 | 98.80 3.80 0.00 | 117.30 4.62 0.00 | 102.50 4.04 0.00 | 75.40 2.76 0.00 | 65.01 2.38 0.00 | 58.75 2.37 0.00 | 50.65 1.90 0.00 | 40.92 1.54 0.00 |
| STEUBEN_REC_LFGE 323667 | 39.14 2.27 -0.33 | 35.67 1.10 -0.22 | 33.12 0.96 -0.10 | 32.40 0.97 -0.06 | 31.23 0.79 -0.01 | 33.11 1.33 -0.08 | 36.52 2.05 -0.28 | 41.06 2.90 -0.43 | 44.98 2.71 -0.59 | 51.22 2.98 -0.88 | 55.15 3.72 -1.11 | 63.06 4.14 -1.47 | 68.46 4.66 -1.70 | 74.56 5.39 -1.81 | 81.91 5.77 -2.15 | 94.62 5.52 -2.78 | 104.04 6.08 -2.96 | 123.46 7.44 -3.34 | 109.12 7.58 -3.08 | 81.34 6.54 -2.16 | 69.17 4.82 -1.72 | 62.23 4.45 -1.40 | 54.30 4.53 -1.02 | 43.48 3.54 -0.55 |
| STILLWATER___SOLAR 323814 | 39.09 2.56 0.00 | 36.65 2.30 0.00 | 33.92 1.86 0.00 | 33.15 1.79 0.00 | 32.22 1.79 0.00 | 33.51 1.81 0.00 | 36.14 1.95 0.00 | 40.03 2.30 0.00 | 44.43 2.75 0.00 | 50.48 3.12 0.00 | 53.34 3.02 0.00 | 61.08 3.62 0.00 | 65.95 3.85 0.00 | 71.33 3.97 0.00 | 78.58 4.59 0.00 | 92.32 5.78 -0.22 | 101.55 6.55 0.00 | 120.90 8.22 0.00 | 105.94 7.48 0.00 | 78.09 5.45 0.00 | 67.20 4.57 0.00 | 60.32 3.95 0.00 | 51.87 3.12 0.00 | 41.87 2.48 0.00 |
| STONY___BROOK 24151 | 79.28 3.98 -38.76 | 52.88 3.57 -14.96 | 46.42 2.82 -11.54 | 41.93 2.66 -7.90 | 41.37 2.65 -8.29 | 42.19 2.69 -7.79 | 44.52 3.28 -7.04 | 47.41 4.11 -5.57 | 65.33 5.00 -18.66 | 88.23 5.68 -35.20 | 71.56 5.83 -15.40 | 154.12 6.55 -90.12 | 320.35 7.64 -250.61 | 341.42 8.28 -265.78 | 322.77 9.40 -239.39 | 287.13 11.48 -189.33 | 293.68 12.07 -186.61 | 284.38 14.20 -157.50 | 292.54 12.21 -181.87 | 300.95 8.49 -219.81 | 327.35 7.26 -257.46 | 256.73 6.09 -194.26 | 70.71 5.46 -16.51 | 64.99 4.61 -21.00 |
| STURGEON_POOL_HYD 23609 | 38.95 2.41 0.00 | 36.17 1.82 0.00 | 33.67 1.60 0.00 | 32.84 1.47 0.00 | 31.92 1.49 0.00 | 33.10 1.40 0.00 | 35.90 1.71 0.00 | 39.91 2.19 0.00 | 44.30 2.63 0.00 | 50.29 2.94 0.00 | 53.69 3.37 0.00 | 61.48 4.02 0.00 | 66.82 4.72 0.00 | 72.48 5.12 0.00 | 79.76 5.77 0.00 | 94.43 8.11 0.00 | 102.60 7.60 0.00 | 121.58 8.90 0.00 | 105.84 7.38 0.00 | 77.44 4.79 0.00 | 66.64 4.01 0.00 | 59.87 3.50 0.00 | 51.87 3.12 0.00 | 41.94 2.56 0.00 |
| ST_LAW_115_BK7_LBMP 345037 | 35.07 -1.46 0.00 | 33.18 -1.17 0.00 | 31.33 -0.74 0.00 | 30.65 -0.72 0.00 | 29.73 -0.70 0.00 | 30.98 -0.73 0.00 | 33.24 -0.96 0.00 | 36.33 -1.40 0.00 | 40.05 -1.63 0.00 | 45.46 -1.90 0.00 | 48.21 -2.11 0.00 | 54.76 -2.70 0.00 | 59.12 -2.98 0.00 | 64.06 -3.30 0.00 | 69.92 -4.07 0.00 | 81.65 -4.66 0.00 | 89.96 -5.04 0.00 | 106.82 -5.86 0.00 | 93.24 -5.22 0.00 | 68.86 -3.78 0.00 | 59.81 -2.82 0.00 | 54.01 -2.37 0.00 | 46.65 -2.09 0.00 | 37.73 -1.65 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 35.07 -1.46 0.00 | 33.18 -1.17 0.00 | 31.33 -0.74 0.00 | 30.65 -0.72 0.00 | 29.73 -0.70 0.00 | 30.98 -0.73 0.00 | 33.24 -0.96 0.00 | 36.33 -1.40 0.00 | 40.05 -1.63 0.00 | 45.46 -1.90 0.00 | 48.21 -2.11 0.00 | 54.76 -2.70 0.00 | 59.12 -2.98 0.00 | 64.06 -3.30 0.00 | 69.92 -4.07 0.00 | 81.65 -4.66 0.00 | 89.96 -5.04 0.00 | 106.82 -5.86 0.00 | 93.24 -5.22 0.00 | 68.86 -3.78 0.00 | 59.81 -2.82 0.00 | 54.01 -2.37 0.00 | 46.65 -2.09 0.00 | 37.73 -1.65 0.00 |

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| ST_LAW_230_BK5_LBMP 345035 | 35.19 -1.35 0.00 | 33.29 -1.07 0.00 | 31.39 -0.67 0.00 | 30.68 -0.69 0.00 | 29.79 -0.64 0.00 | 31.04 -0.67 0.00 | 33.30 -0.89 0.00 | 36.40 -1.32 0.00 | 40.18 -1.50 0.00 | 45.65 -1.70 0.00 | 48.41 -1.91 0.00 | 54.99 -2.47 0.00 | 59.37 -2.73 0.00 | 64.33 -3.03 0.00 | 70.22 -3.77 0.00 | 82.00 -4.31 0.00 | 90.35 -4.65 0.00 | 107.27 -5.41 0.00 | 93.64 -4.82 0.00 | 69.16 -3.49 0.00 | 60.06 -2.57 0.00 | 54.24 -2.14 0.00 | 46.80 -1.95 0.00 | 37.85 -1.54 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 35.19 -1.35 0.00 | 33.29 -1.07 0.00 | 31.39 -0.67 0.00 | 30.68 -0.69 0.00 | 29.79 -0.64 0.00 | 31.04 -0.67 0.00 | 33.30 -0.89 0.00 | 36.40 -1.32 0.00 | 40.18 -1.50 0.00 | 45.65 -1.70 0.00 | 48.41 -1.91 0.00 | 54.99 -2.47 0.00 | 59.37 -2.73 0.00 | 64.33 -3.03 0.00 | 70.22 -3.77 0.00 | 82.00 -4.31 0.00 | 90.35 -4.65 0.00 | 107.27 -5.41 0.00 | 93.64 -4.82 0.00 | 69.16 -3.49 0.00 | 60.06 -2.57 0.00 | 54.24 -2.14 0.00 | 46.80 -1.95 0.00 | 37.85 -1.54 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 38.77 2.23 0.00 | 36.04 1.68 0.00 | 33.54 1.48 0.00 | 32.75 1.38 0.00 | 31.83 1.40 0.00 | 33.07 1.36 0.00 | 35.87 1.68 0.00 | 39.88 2.15 0.00 | 44.30 2.63 0.00 | 50.29 2.94 0.00 | 53.59 3.27 0.00 | 61.30 3.85 0.00 | 66.57 4.47 0.00 | 72.21 4.85 0.00 | 79.54 5.55 0.00 | 91.85 6.99 1.46 | 102.41 7.41 0.00 | 121.47 8.79 0.00 | 105.84 7.38 0.00 | 77.51 4.87 0.00 | 66.76 4.13 0.00 | 59.93 3.55 0.00 | 51.82 3.07 0.00 | 41.83 2.44 0.00 |
| SWANROAD_115KV_TB1 355699 | 36.72 0.18 0.00 | 33.36 -1.00 0.00 | 31.07 -0.99 0.00 | 30.27 -1.10 0.00 | 29.09 -1.34 0.00 | 30.98 -0.73 0.00 | 33.71 -0.48 0.00 | 37.57 -0.15 0.00 | 40.97 -0.71 0.00 | 46.64 -0.71 0.00 | 50.17 -0.15 0.00 | 57.05 -0.40 0.00 | 62.10 0.00 0.00 | 67.55 0.20 0.01 | 74.13 0.15 0.01 | 85.19 -1.12 0.01 | 93.76 -1.23 0.01 | 111.10 -1.58 0.01 | 97.96 -0.49 0.01 | 72.78 0.15 0.01 | 62.00 -0.63 0.00 | 56.26 -0.11 0.00 | 49.62 0.88 0.00 | 40.25 0.87 0.00 |
| SYNERGY___BIOGAS 323694 | 38.07 1.53 0.00 | 35.24 0.89 0.00 | 32.19 0.13 0.00 | 31.65 0.28 0.00 | 30.37 -0.06 0.00 | 32.18 0.48 0.00 | 35.19 0.99 0.00 | 39.35 1.62 0.00 | 42.80 1.13 0.00 | 48.82 1.47 0.00 | 52.59 2.27 0.00 | 59.87 2.41 0.00 | 64.71 2.61 0.00 | 70.52 3.17 0.00 | 77.46 3.48 0.00 | 89.16 2.84 0.00 | 98.70 3.70 0.00 | 116.73 4.05 0.00 | 103.09 4.63 0.00 | 76.20 3.56 0.00 | 65.14 2.51 0.00 | 58.92 2.54 0.00 | 51.62 2.88 0.00 | 41.71 2.32 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 38.04 0.26 -1.25 | 35.10 -0.07 -0.81 | 32.30 -0.13 -0.36 | 31.46 -0.13 -0.22 | 30.28 -0.18 -0.04 | 31.93 -0.06 -0.28 | 35.33 0.10 -1.04 | 39.70 0.38 -1.60 | 44.17 0.29 -2.21 | 50.92 0.28 -3.28 | 54.85 0.40 -4.12 | 63.50 0.57 -5.47 | 69.12 0.68 -6.34 | 74.92 0.81 -6.76 | 82.89 0.89 -8.01 | 97.44 0.78 -10.35 | 106.89 0.85 -11.04 | 126.28 1.13 -12.47 | 111.02 1.08 -11.48 | 81.64 0.94 -8.05 | 69.60 0.56 -6.41 | 62.12 0.51 -5.23 | 53.05 0.49 -3.82 | 41.76 0.32 -2.06 |
| SYRACUSE___ENERGY_ST2 323598 | 38.04 0.26 -1.25 | 35.10 -0.07 -0.81 | 32.30 -0.13 -0.36 | 31.46 -0.13 -0.22 | 30.28 -0.18 -0.04 | 31.93 -0.06 -0.28 | 35.33 0.10 -1.04 | 39.70 0.38 -1.60 | 44.17 0.29 -2.21 | 50.92 0.28 -3.28 | 54.85 0.40 -4.12 | 63.50 0.57 -5.47 | 69.12 0.68 -6.34 | 74.92 0.81 -6.76 | 82.89 0.89 -8.01 | 97.44 0.78 -10.35 | 106.89 0.85 -11.04 | 126.28 1.13 -12.47 | 111.02 1.08 -11.48 | 81.64 0.94 -8.05 | 69.60 0.56 -6.41 | 62.12 0.51 -5.23 | 53.05 0.49 -3.82 | 41.76 0.32 -2.06 |
| SYRACUSE___POWER 24017 | 37.52 0.15 -0.84 | 34.73 -0.17 -0.55 | 32.11 -0.19 -0.24 | 31.33 -0.19 -0.15 | 30.21 -0.24 -0.03 | 31.74 -0.16 -0.19 | 34.89 0.00 -0.70 | 39.03 0.23 -1.08 | 43.37 0.21 -1.48 | 49.85 0.28 -2.21 | 53.55 0.45 -2.77 | 61.71 0.57 -3.68 | 67.05 0.68 -4.27 | 72.71 0.81 -4.55 | 80.27 0.89 -5.39 | 94.15 0.86 -6.97 | 103.38 0.95 -7.43 | 122.20 1.13 -8.39 | 107.27 1.08 -7.73 | 79.00 0.94 -5.42 | 67.44 0.50 -4.32 | 60.41 0.51 -3.52 | 51.76 0.44 -2.57 | 41.04 0.28 -1.38 |
| TALLMAN___138KV_BK151 55660 | 38.91 2.37 0.00 | 36.14 1.79 0.00 | 33.64 1.57 0.00 | 32.81 1.44 0.00 | 31.92 1.49 0.00 | 33.16 1.46 0.00 | 36.04 1.85 0.00 | 40.06 2.34 0.00 | 44.51 2.83 0.00 | 50.57 3.22 0.00 | 53.94 3.62 0.00 | 61.71 4.25 0.00 | 67.13 5.03 0.00 | 72.81 5.46 0.00 | 80.28 6.29 0.00 | 92.24 7.94 2.02 | 103.46 8.46 0.00 | 122.60 9.92 0.00 | 106.83 8.37 0.00 | 78.09 5.45 0.00 | 67.26 4.63 0.00 | 60.27 3.89 0.00 | 52.06 3.31 0.00 | 42.06 2.68 0.00 |
| TEALLAVE_115KV_TB7 355573 | 37.44 0.22 -0.68 | 34.66 -0.14 -0.44 | 32.10 -0.16 -0.20 | 31.33 -0.16 -0.12 | 30.23 -0.21 -0.02 | 31.77 -0.10 -0.15 | 34.83 0.07 -0.57 | 38.86 0.26 -0.87 | 43.09 0.21 -1.20 | 49.48 0.33 -1.79 | 53.07 0.50 -2.25 | 61.07 0.63 -2.99 | 66.30 0.75 -3.46 | 71.92 0.88 -3.69 | 79.32 0.96 -4.37 | 92.83 0.86 -5.65 | 102.07 1.04 -6.02 | 120.72 1.24 -6.80 | 105.90 1.18 -6.26 | 77.98 0.94 -4.39 | 66.69 0.56 -3.50 | 59.80 0.56 -2.85 | 51.37 0.54 -2.08 | 40.82 0.32 -1.12 |
| TELGRAPH_34_KV_EAST 80808 | 37.45 0.91 0.00 | 34.11 -0.24 0.00 | 31.74 -0.32 0.00 | 30.99 -0.38 0.00 | 29.82 -0.61 0.00 | 31.64 -0.06 0.00 | 34.57 0.38 0.00 | 38.59 0.87 0.00 | 42.09 0.42 0.00 | 47.97 0.62 0.00 | 51.53 1.21 0.00 | 58.66 1.21 0.00 | 63.72 1.61 0.00 | 69.38 2.02 0.00 | 76.13 2.15 0.00 | 87.52 1.21 0.00 | 96.52 1.52 0.00 | 114.37 1.69 0.00 | 100.82 2.36 0.00 | 74.82 2.18 0.00 | 63.82 1.19 0.00 | 57.79 1.41 0.00 | 50.84 2.10 0.00 | 41.16 1.77 0.00 |
| TEMPLE___115KV_TB 2 55572 | 37.44 0.22 -0.68 | 34.69 -0.10 -0.44 | 32.10 -0.16 -0.19 | 31.33 -0.16 -0.12 | 30.26 -0.18 -0.02 | 31.77 -0.10 -0.15 | 34.83 0.07 -0.56 | 38.90 0.30 -0.87 | 43.13 0.25 -1.20 | 49.52 0.38 -1.79 | 53.12 0.55 -2.24 | 61.12 0.69 -2.98 | 66.36 0.81 -3.45 | 71.98 0.94 -3.68 | 79.46 1.11 -4.36 | 92.90 0.95 -5.63 | 102.15 1.14 -6.01 | 120.82 1.35 -6.79 | 105.99 1.28 -6.25 | 78.04 1.02 -4.38 | 66.74 0.63 -3.49 | 59.85 0.62 -2.85 | 51.41 0.58 -2.08 | 40.86 0.35 -1.12 |
| TIANA___69_KV_BK 1 55817 | 79.54 4.24 -38.76 | 52.88 3.57 -14.96 | 46.62 3.01 -11.54 | 42.09 2.82 -7.90 | 41.52 2.80 -8.29 | 42.38 2.89 -7.79 | 44.69 3.45 -7.04 | 47.67 4.38 -5.57 | 65.83 5.50 -18.66 | 88.94 6.39 -35.20 | 70.86 6.84 -13.69 | 138.75 7.99 -73.31 | 268.97 9.19 -197.67 | 285.71 9.63 -208.72 | 273.40 10.88 -188.54 | 279.65 13.29 -180.04 | 295.54 13.96 -186.57 | 286.70 16.56 -157.46 | 268.57 14.87 -155.24 | 253.94 10.02 -171.28 | 274.59 8.89 -203.07 | 218.39 7.72 -154.29 | 70.94 6.53 -15.66 | 65.06 5.28 -20.40 |
| TILDEN___115KV_TB1 80814 | 37.52 0.15 -0.84 | 34.73 -0.17 -0.55 | 32.11 -0.19 -0.24 | 31.33 -0.19 -0.15 | 30.21 -0.24 -0.03 | 31.74 -0.16 -0.19 | 34.89 0.00 -0.70 | 39.03 0.23 -1.08 | 43.37 0.21 -1.48 | 49.85 0.28 -2.21 | 53.55 0.45 -2.77 | 61.71 0.57 -3.68 | 67.05 0.68 -4.27 | 72.71 0.81 -4.55 | 80.27 0.89 -5.39 | 94.15 0.86 -6.97 | 103.38 0.95 -7.43 | 122.20 1.13 -8.39 | 107.27 1.08 -7.73 | 79.00 0.94 -5.42 | 67.44 0.50 -4.32 | 60.41 0.51 -3.52 | 51.76 0.44 -2.57 | 41.04 0.28 -1.38 |
| TRIGEN___CC 323695 | 78.55 3.25 -38.76 | 51.92 2.61 -14.96 | 45.88 2.28 -11.54 | 41.40 2.13 -7.90 | 40.85 2.13 -8.29 | 41.62 2.12 -7.79 | 43.87 2.63 -7.04 | 46.65 3.36 -5.57 | 64.29 3.96 -18.66 | 86.90 4.36 -35.19 | 62.87 4.88 -7.66 | 68.84 5.75 -5.64 | 79.58 6.64 -10.84 | 81.96 7.27 -7.32 | 91.37 8.29 -9.10 | 243.93 10.36 -147.26 | 301.82 11.02 -195.80 | 291.90 12.85 -166.37 | 170.54 10.83 -61.24 | 79.69 7.05 0.00 | 79.96 6.20 -11.14 | 74.90 5.30 -13.22 | 62.90 4.58 -9.57 | 61.42 3.74 -18.30 |

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| TRINITY__115KV__4 BK 55933 | 37.89 1.35 0.00 | 35.49 1.13 0.00 | 33.16 1.09 0.00 | 32.43 1.07 0.00 | 31.52 1.10 0.00 | 32.72 1.01 0.00 | 35.19 0.99 0.00 | 38.97 1.24 0.00 | 43.05 1.38 0.00 | 48.92 1.56 0.00 | 51.78 1.46 0.00 | 58.95 1.49 0.00 | 63.65 1.55 0.00 | 68.97 1.62 0.00 | 75.99 2.00 0.00 | 89.31 2.76 -0.23 | 97.85 2.85 0.00 | 116.06 3.38 0.00 | 101.41 2.95 0.00 | 74.60 1.96 0.00 | 64.32 1.69 0.00 | 58.07 1.69 0.00 | 50.06 1.32 0.00 | 40.49 1.10 0.00 |
| UNION__PROCESSING_DRP 323587 | 37.27 0.73 0.00 | 34.28 -0.07 0.00 | 31.91 -0.16 0.00 | 31.24 -0.13 0.00 | 30.12 -0.30 0.00 | 31.71 0.00 0.00 | 34.60 0.41 0.00 | 38.55 0.83 0.00 | 42.26 0.58 0.00 | 48.16 0.80 0.00 | 51.58 1.26 0.00 | 58.72 1.26 0.00 | 63.65 1.55 0.00 | 69.18 1.82 0.00 | 76.06 2.07 0.00 | 87.96 1.64 0.00 | 97.00 2.00 0.00 | 114.93 2.25 0.00 | 100.92 2.46 0.00 | 74.75 2.11 0.00 | 63.88 1.25 0.00 | 57.67 1.30 0.00 | 50.36 1.61 0.00 | 40.61 1.22 0.00 |
| UPPER HUDSON__HYD 24058 | 39.17 2.63 0.00 | 36.69 2.34 0.00 | 33.89 1.83 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.48 1.77 0.00 | 36.14 1.95 0.00 | 40.03 2.30 0.00 | 44.55 2.87 0.00 | 50.62 3.26 0.00 | 53.24 2.92 0.00 | 61.02 3.56 0.00 | 65.89 3.79 0.00 | 70.79 3.43 0.00 | 77.91 3.92 0.00 | 91.63 5.09 -0.22 | 101.46 6.46 0.00 | 121.24 8.56 0.00 | 106.63 8.17 0.00 | 78.60 5.96 0.00 | 67.57 4.95 0.00 | 60.66 4.28 0.00 | 51.96 3.22 0.00 | 41.87 2.48 0.00 |
| UPPER RAQUET__HYD 24056 | 35.25 -1.50 -0.21 | 33.39 -1.10 -0.14 | 31.42 -0.71 -0.06 | 30.71 -0.69 -0.04 | 29.73 -0.70 -0.01 | 31.12 -0.63 -0.05 | 33.55 -0.82 -0.17 | 36.52 -1.47 -0.27 | 39.88 -2.17 -0.37 | 45.39 -2.51 -0.55 | 48.14 -2.87 -0.69 | 54.41 -3.96 -0.91 | 58.75 -4.41 -1.06 | 63.50 -4.98 -1.13 | 69.19 -6.14 -1.34 | 80.88 -7.16 -1.73 | 89.34 -7.51 -1.85 | 106.09 -8.67 -2.08 | 92.70 -7.68 -1.92 | 68.54 -5.45 -1.35 | 59.69 -4.01 -1.07 | 54.21 -3.05 -0.87 | 46.75 -2.63 -0.64 | 37.84 -1.89 -0.34 |
| VALLEY44_115KV_TB2 355964 | 38.14 1.61 0.00 | 34.66 0.31 0.00 | 32.35 0.29 0.00 | 31.68 0.31 0.00 | 30.55 0.12 0.00 | 32.31 0.60 0.00 | 35.46 1.27 0.00 | 39.72 2.00 0.00 | 43.47 1.79 0.00 | 49.20 1.85 0.00 | 52.94 2.62 0.00 | 60.44 2.99 0.00 | 65.70 3.60 0.00 | 71.61 4.24 0.00 | 78.58 4.59 0.00 | 90.64 4.32 0.00 | 99.66 4.65 0.00 | 118.21 5.52 0.00 | 104.37 5.91 0.00 | 77.80 5.16 0.00 | 66.26 3.63 0.00 | 59.65 3.27 0.00 | 52.16 3.41 0.00 | 42.22 2.84 0.00 |
| VALLEY__115KV_TB 1-4 80826 | 37.49 0.95 0.00 | 35.11 0.76 0.00 | 32.74 0.67 0.00 | 32.03 0.66 0.00 | 31.03 0.61 0.00 | 32.40 0.70 0.00 | 34.98 0.79 0.00 | 38.67 0.94 0.00 | 42.76 1.08 0.00 | 48.63 1.28 0.00 | 51.63 1.31 0.00 | 59.01 1.55 0.00 | 63.65 1.55 0.00 | 68.97 1.62 0.00 | 75.76 1.78 0.00 | 88.13 1.81 0.00 | 97.18 2.18 0.00 | 115.27 2.59 0.00 | 100.82 2.36 0.00 | 74.38 1.74 0.00 | 64.13 1.50 0.00 | 57.84 1.47 0.00 | 49.97 1.22 0.00 | 40.41 1.02 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 39.20 2.45 -0.21 | 36.48 1.99 -0.14 | 33.95 1.83 -0.06 | 33.22 1.82 -0.04 | 32.14 1.70 -0.01 | 33.59 1.84 -0.05 | 36.42 2.05 -0.18 | 40.60 2.60 -0.27 | 44.97 2.92 -0.37 | 51.32 3.41 -0.56 | 54.69 3.67 -0.70 | 62.75 4.37 -0.93 | 67.77 4.60 -1.07 | 73.55 5.05 -1.14 | 80.97 5.62 -1.36 | 94.11 6.13 -1.66 | 103.61 6.74 -1.87 | 122.79 8.00 -2.11 | 107.59 7.19 -1.94 | 79.31 5.30 -1.36 | 68.28 4.57 -1.08 | 61.49 4.23 -0.88 | 53.00 3.61 -0.65 | 42.65 2.91 -0.35 |
| VISCHER__FERRY HYD 24020 | 38.51 1.97 0.00 | 36.14 1.79 0.00 | 33.51 1.44 0.00 | 32.78 1.41 0.00 | 31.86 1.43 0.00 | 33.07 1.36 0.00 | 35.70 1.50 0.00 | 39.57 1.85 0.00 | 43.84 2.17 0.00 | 49.81 2.46 0.00 | 52.69 2.37 0.00 | 60.21 2.76 0.00 | 65.08 2.98 0.00 | 70.52 3.17 0.00 | 77.69 3.70 0.00 | 91.39 4.83 -0.24 | 100.32 5.32 0.00 | 119.10 6.42 0.00 | 104.17 5.71 0.00 | 76.71 4.07 0.00 | 66.07 3.44 0.00 | 59.31 2.93 0.00 | 51.04 2.29 0.00 | 41.27 1.89 0.00 |
| V_A_10_SYNC_DSASP 323832 | 36.76 0.22 0.00 | 34.08 -0.28 0.00 | 31.30 -0.77 0.00 | 30.68 -0.69 0.00 | 29.51 -0.91 0.00 | 31.17 -0.54 0.00 | 34.06 -0.14 0.00 | 37.95 0.23 0.00 | 41.43 -0.25 0.00 | 47.21 -0.14 0.00 | 50.82 0.50 0.00 | 57.80 0.35 0.00 | 62.66 0.56 0.00 | 68.17 0.81 0.00 | 74.80 0.82 0.00 | 86.23 -0.09 0.00 | 95.38 0.38 0.00 | 112.68 0.00 0.00 | 99.34 0.88 0.00 | 73.37 0.73 0.00 | 62.69 0.06 0.00 | 56.78 0.40 0.00 | 49.87 1.12 0.00 | 40.29 0.91 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 35.22 -1.31 0.00 | 33.36 -1.00 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.85 -0.58 0.00 | 31.14 -0.57 0.00 | 33.41 -0.79 0.00 | 36.48 -1.24 0.00 | 40.26 -1.42 0.00 | 45.69 -1.66 0.00 | 48.46 -1.86 0.00 | 55.04 -2.41 0.00 | 59.37 -2.73 0.00 | 64.33 -3.03 0.00 | 70.14 -3.85 0.00 | 81.92 -4.40 0.00 | 90.35 -4.65 0.00 | 107.27 -5.41 0.00 | 93.54 -4.92 0.00 | 69.16 -3.49 0.00 | 60.12 -2.51 0.00 | 54.29 -2.08 0.00 | 46.85 -1.90 0.00 | 37.85 -1.54 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 35.99 -0.55 0.00 | 34.15 -0.20 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.33 0.14 0.00 | 37.54 -0.19 0.00 | 41.39 -0.29 0.00 | 46.93 -0.43 0.00 | 49.77 -0.55 0.00 | 55.21 -2.24 0.00 | 59.61 -2.49 0.00 | 64.59 -2.76 0.00 | 68.95 -5.03 0.00 | 80.62 -5.70 0.00 | 89.02 -5.98 0.00 | 105.92 -6.76 0.00 | 92.16 -6.30 0.00 | 68.14 -4.50 0.00 | 60.62 -2.01 0.00 | 55.81 -0.56 0.00 | 48.06 -0.68 0.00 | 38.83 -0.55 0.00 |
| V_D_10_SYNC_DSASP 323841 | 35.19 -1.35 0.00 | 33.36 -1.00 0.00 | 31.46 -0.61 0.00 | 30.77 -0.60 0.00 | 29.85 -0.58 0.00 | 31.17 -0.54 0.00 | 33.44 -0.75 0.00 | 36.48 -1.24 0.00 | 40.13 -1.54 0.00 | 45.55 -1.80 0.00 | 48.31 -2.01 0.00 | 54.81 -2.64 0.00 | 59.12 -2.98 0.00 | 63.99 -3.37 0.00 | 69.69 -4.29 0.00 | 81.40 -4.92 0.00 | 89.78 -5.22 0.00 | 106.70 -5.98 0.00 | 93.05 -5.42 0.00 | 68.79 -3.85 0.00 | 59.94 -2.69 0.00 | 54.12 -2.26 0.00 | 46.70 -2.05 0.00 | 37.81 -1.58 0.00 |
| V_E_10_SYNC_DSASP 323830 | 41.33 4.31 -0.49 | 38.48 3.81 -0.32 | 35.38 3.18 -0.14 | 34.59 3.14 -0.09 | 33.24 2.80 -0.02 | 35.11 3.30 -0.11 | 38.49 3.90 -0.40 | 43.02 4.68 -0.62 | 47.16 4.63 -0.86 | 54.07 5.44 -1.28 | 57.66 5.73 -1.60 | 66.53 6.95 -2.13 | 71.58 7.02 -2.46 | 77.73 7.74 -2.63 | 85.61 8.51 -3.12 | 99.52 9.24 -3.96 | 110.21 10.92 -4.29 | 131.04 13.52 -4.85 | 115.72 12.79 -4.46 | 85.80 10.03 -3.13 | 73.32 8.20 -2.49 | 66.08 7.67 -2.03 | 56.86 6.63 -1.48 | 45.50 5.31 -0.80 |
| V_F_30_NSYNC__DSASP 323816 | 39.17 2.63 0.00 | 36.72 2.37 0.00 | 33.99 1.92 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.54 1.84 0.00 | 36.21 2.02 0.00 | 40.10 2.38 0.00 | 44.51 2.84 0.00 | 50.57 3.22 0.00 | 53.44 3.12 0.00 | 61.19 3.73 0.00 | 66.13 4.03 0.00 | 71.47 4.11 0.00 | 78.73 4.74 0.00 | 92.49 5.95 -0.22 | 101.75 6.75 0.00 | 121.14 8.46 0.00 | 106.04 7.58 0.00 | 78.16 5.52 0.00 | 67.33 4.70 0.00 | 60.44 4.06 0.00 | 51.91 3.17 0.00 | 41.91 2.52 0.00 |
| V_F_30_SYNC_DSASP 323786 | 38.07 1.53 0.00 | 35.66 1.31 0.00 | 33.32 1.25 0.00 | 32.56 1.19 0.00 | 31.64 1.22 0.00 | 32.88 1.17 0.00 | 35.32 1.13 0.00 | 39.12 1.40 0.00 | 43.30 1.63 0.00 | 49.15 1.80 0.00 | 52.03 1.71 0.00 | 59.29 1.84 0.00 | 64.03 1.93 0.00 | 69.38 2.02 0.00 | 76.43 2.44 0.00 | 89.74 3.19 -0.23 | 98.42 3.42 0.00 | 116.74 4.06 0.00 | 102.00 3.54 0.00 | 75.04 2.40 0.00 | 64.69 2.07 0.00 | 58.35 1.97 0.00 | 50.31 1.56 0.00 | 40.64 1.26 0.00 |

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| V_XM10_SYNC_DSASP 323789 | 35.99 -0.55 0.00 | 34.15 -0.20 0.00 | 32.19 0.13 0.00 | 31.46 0.09 0.00 | 30.52 0.09 0.00 | 31.93 0.22 0.00 | 34.33 0.14 0.00 | 37.54 -0.19 0.00 | 41.39 -0.29 0.00 | 46.93 -0.43 0.00 | 49.77 -0.55 0.00 | 55.21 -2.24 0.00 | 59.61 -2.49 0.00 | 64.59 -2.76 0.00 | 68.95 -5.03 0.00 | 80.62 -5.70 0.00 | 89.02 -5.98 0.00 | 105.92 -6.76 0.00 | 92.16 -6.30 0.00 | 68.14 -4.50 0.00 | 60.62 -2.01 0.00 | 55.81 -0.56 0.00 | 48.06 -0.68 0.00 | 38.83 -0.55 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 39.06 2.52 0.00 | 36.28 1.92 0.00 | 33.73 1.67 0.00 | 32.94 1.57 0.00 | 32.01 1.58 0.00 | 33.26 1.55 0.00 | 36.14 1.95 0.00 | 40.18 2.45 0.00 | 44.63 2.96 0.00 | 50.67 3.31 0.00 | 54.05 3.72 0.00 | 61.88 4.42 0.00 | 67.25 5.15 0.00 | 72.95 5.59 0.00 | 80.42 6.44 0.00 | 92.21 8.11 2.22 | 103.64 8.64 0.00 | 122.82 10.14 0.00 | 107.03 8.57 0.00 | 78.23 5.59 0.00 | 67.39 4.76 0.00 | 60.44 4.06 0.00 | 52.21 3.46 0.00 | 42.14 2.76 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 39.46 2.92 0.00 | 36.62 2.27 0.00 | 33.99 1.92 0.00 | 33.16 1.79 0.00 | 32.22 1.80 0.00 | 33.48 1.78 0.00 | 36.52 2.33 0.00 | 40.86 3.13 0.00 | 45.43 3.75 0.00 | 51.43 4.07 0.00 | 54.85 4.53 0.00 | 62.74 5.29 0.00 | 68.31 6.21 0.00 | 74.09 6.74 0.00 | 81.83 7.84 0.00 | 97.44 9.84 -1.29 | 105.45 10.45 0.00 | 124.74 12.06 0.00 | 108.50 10.04 0.00 | 79.11 6.47 0.00 | 68.20 5.57 0.00 | 61.11 4.74 0.00 | 52.94 4.19 0.00 | 42.85 3.47 0.00 |
| W50THST__13_KV_LOAD 356117 | 39.68 3.14 0.00 | 36.83 2.47 0.00 | 34.15 2.08 0.00 | 33.31 1.94 0.00 | 32.37 1.95 0.00 | 33.67 1.97 0.00 | 36.76 2.56 0.00 | 41.16 3.43 0.00 | 45.76 4.08 0.00 | 51.80 4.45 0.00 | 55.30 4.98 0.00 | 63.26 5.80 0.00 | 68.93 6.83 0.00 | 74.77 7.41 0.00 | 82.57 8.58 0.00 | 98.31 10.70 -1.29 | 106.40 11.40 0.00 | 125.86 13.18 0.00 | 109.29 10.83 0.00 | 79.61 6.97 0.00 | 68.70 6.07 0.00 | 61.45 5.07 0.00 | 53.23 4.48 0.00 | 43.05 3.66 0.00 |
| WADING RIVER_IC_1 23522 | 78.99 3.69 -38.76 | 52.61 3.30 -14.96 | 46.17 2.57 -11.54 | 41.65 2.38 -7.90 | 41.09 2.37 -8.29 | 41.91 2.41 -7.79 | 44.21 2.97 -7.04 | 47.07 3.77 -5.57 | 65.08 4.75 -18.66 | 87.99 5.44 -35.20 | 69.63 5.63 -13.67 | 137.22 6.66 -73.10 | 266.90 7.70 -197.10 | 283.67 8.21 -208.10 | 271.30 9.32 -187.99 | 277.74 11.48 -179.94 | 293.54 11.97 -186.57 | 284.33 14.20 -157.45 | 266.12 12.71 -154.95 | 251.96 8.57 -170.75 | 272.75 7.64 -202.48 | 216.54 6.31 -153.85 | 69.85 5.46 -15.64 | 64.22 4.45 -20.39 |
| WADING RIVER_IC_2 23547 | 78.99 3.69 -38.76 | 52.61 3.30 -14.96 | 46.17 2.57 -11.54 | 41.65 2.38 -7.90 | 41.09 2.37 -8.29 | 41.91 2.41 -7.79 | 44.21 2.97 -7.04 | 47.07 3.77 -5.57 | 65.08 4.75 -18.66 | 87.99 5.44 -35.20 | 69.63 5.63 -13.67 | 137.22 6.66 -73.10 | 266.90 7.70 -197.10 | 283.67 8.21 -208.10 | 271.30 9.32 -187.99 | 277.74 11.48 -179.94 | 293.54 11.97 -186.57 | 284.33 14.20 -157.45 | 266.12 12.71 -154.95 | 251.96 8.57 -170.75 | 272.75 7.64 -202.48 | 216.54 6.31 -153.85 | 69.85 5.46 -15.64 | 64.22 4.45 -20.39 |
| WADING RIVER_IC_3 23601 | 78.99 3.69 -38.76 | 52.61 3.30 -14.96 | 46.17 2.57 -11.54 | 41.65 2.38 -7.90 | 41.09 2.37 -8.29 | 41.91 2.41 -7.79 | 44.21 2.97 -7.04 | 47.07 3.77 -5.57 | 65.08 4.75 -18.66 | 87.99 5.44 -35.20 | 69.63 5.63 -13.67 | 137.22 6.66 -73.10 | 266.90 7.70 -197.10 | 283.67 8.21 -208.10 | 271.30 9.32 -187.99 | 277.74 11.48 -179.94 | 293.54 11.97 -186.57 | 284.33 14.20 -157.45 | 266.12 12.71 -154.95 | 251.96 8.57 -170.75 | 272.75 7.64 -202.48 | 216.54 6.31 -153.85 | 69.85 5.46 -15.64 | 64.22 4.45 -20.39 |
| WALDENNY_12_KV_BK2 80841 | 38.00 1.46 0.00 | 34.49 0.14 0.00 | 32.13 0.06 0.00 | 31.46 0.09 0.00 | 30.24 -0.18 0.00 | 32.06 0.35 0.00 | 35.08 0.89 0.00 | 39.23 1.51 0.00 | 42.88 1.21 0.00 | 48.82 1.47 0.00 | 52.54 2.21 0.00 | 59.93 2.47 0.00 | 65.21 3.11 0.00 | 71.07 3.70 0.00 | 77.99 4.00 0.00 | 89.60 3.28 0.00 | 98.61 3.61 0.00 | 116.74 4.06 0.00 | 102.89 4.43 0.00 | 76.42 3.78 0.00 | 65.07 2.44 0.00 | 58.86 2.48 0.00 | 51.82 3.07 0.00 | 41.87 2.48 0.00 |
| WALDEN__HYDRO 24148 | 39.06 2.52 0.00 | 36.28 1.92 0.00 | 33.77 1.70 0.00 | 32.97 1.60 0.00 | 32.04 1.61 0.00 | 33.26 1.55 0.00 | 36.11 1.91 0.00 | 40.10 2.38 0.00 | 44.55 2.88 0.00 | 50.57 3.22 0.00 | 53.89 3.57 0.00 | 61.65 4.19 0.00 | 66.94 4.84 0.00 | 72.61 5.25 0.00 | 79.91 5.92 0.00 | 93.40 7.51 0.42 | 102.98 7.98 0.00 | 122.15 9.47 0.00 | 106.44 7.98 0.00 | 77.94 5.30 0.00 | 67.14 4.51 0.00 | 60.27 3.89 0.00 | 52.11 3.36 0.00 | 42.06 2.68 0.00 |
| WARRENSBURG____ 23737 | 39.17 2.63 0.00 | 36.69 2.34 0.00 | 33.89 1.83 0.00 | 33.09 1.72 0.00 | 32.16 1.73 0.00 | 33.48 1.77 0.00 | 36.14 1.95 0.00 | 40.03 2.30 0.00 | 44.55 2.87 0.00 | 50.62 3.26 0.00 | 53.24 2.92 0.00 | 61.02 3.56 0.00 | 65.89 3.79 0.00 | 70.79 3.43 0.00 | 77.91 3.92 0.00 | 91.63 5.09 -0.22 | 101.46 6.46 0.00 | 121.24 8.56 0.00 | 106.63 8.17 0.00 | 78.60 5.96 0.00 | 67.57 4.95 0.00 | 60.66 4.28 0.00 | 51.96 3.22 0.00 | 41.87 2.48 0.00 |
| WATERSIDE____6 8 9 23538 | 39.57 3.03 0.00 | 36.72 2.37 0.00 | 34.05 1.99 0.00 | 33.22 1.85 0.00 | 32.25 1.83 0.00 | 33.51 1.81 0.00 | 36.59 2.39 0.00 | 40.98 3.24 -0.01 | 45.52 3.83 -0.01 | 51.38 4.02 0.00 | 54.70 4.38 0.00 | 62.56 5.11 0.01 | 67.93 5.84 0.01 | 73.61 6.26 0.01 | 81.23 7.25 0.01 | 97.00 9.41 -1.28 | 104.60 9.59 0.00 | 123.84 11.16 0.00 | 109.07 9.16 -1.46 | 78.44 5.74 -0.06 | 71.15 5.14 -3.38 | 60.88 4.51 0.01 | 52.98 4.24 0.01 | 42.02 3.66 1.03 |
| WATKINRD_115KV_LN8_ILLION 55919 | 37.27 0.73 0.00 | 34.94 0.58 0.00 | 32.58 0.51 0.00 | 31.87 0.50 0.00 | 30.88 0.46 0.00 | 32.21 0.51 0.00 | 34.77 0.58 0.00 | 38.44 0.72 0.00 | 42.47 0.79 0.00 | 48.30 0.95 0.00 | 51.28 0.96 0.00 | 58.60 1.15 0.00 | 63.28 1.18 0.00 | 68.57 1.21 0.00 | 75.39 1.41 0.00 | 87.78 1.47 0.00 | 96.80 1.80 0.00 | 114.82 2.14 0.00 | 100.43 1.97 0.00 | 74.02 1.38 0.00 | 63.82 1.19 0.00 | 57.51 1.13 0.00 | 49.72 0.97 0.00 | 40.17 0.79 0.00 |
| WATSON__69_KV_BK 1 55734 | 79.72 4.42 -38.76 | 52.98 3.68 -14.96 | 46.78 3.17 -11.54 | 42.28 3.01 -7.90 | 41.70 2.98 -8.29 | 42.54 3.04 -7.79 | 44.86 3.62 -7.04 | 47.82 4.53 -5.57 | 65.79 5.46 -18.66 | 88.75 6.20 -35.19 | 67.56 6.54 -10.70 | 111.80 7.47 -46.87 | 175.51 8.45 -104.96 | 185.43 9.30 -108.78 | 184.06 10.58 -99.50 | 263.04 12.95 -163.77 | 295.76 13.68 -187.08 | 286.74 16.11 -157.95 | 221.04 13.98 -108.60 | 168.23 9.30 -86.29 | 178.66 8.20 -107.83 | 147.77 7.10 -84.29 | 70.25 6.19 -15.31 | 63.78 5.04 -19.36 |
| WDELAWARE__HYD 323627 | 38.36 1.83 0.00 | 35.86 1.51 0.00 | 33.16 1.09 0.00 | 32.34 0.97 0.00 | 31.40 0.97 0.00 | 32.66 0.95 0.00 | 35.46 1.27 0.00 | 39.31 1.58 0.00 | 43.63 1.96 0.00 | 49.53 2.18 0.00 | 52.79 2.47 0.00 | 60.55 3.10 0.00 | 65.64 3.54 0.00 | 71.20 3.84 0.00 | 78.35 4.36 0.00 | 91.63 5.61 0.30 | 100.89 5.89 0.00 | 120.00 7.32 0.00 | 104.77 6.31 0.00 | 76.78 4.14 0.00 | 65.94 3.32 0.00 | 59.14 2.76 0.00 | 51.23 2.48 0.00 | 41.31 1.93 0.00 |
| WEST BABYLON__IC 23714 | 79.47 4.17 -38.76 | 52.74 3.44 -14.96 | 46.58 2.98 -11.54 | 42.09 2.82 -7.90 | 41.52 2.80 -8.29 | 42.35 2.85 -7.79 | 44.65 3.42 -7.04 | 47.56 4.26 -5.57 | 65.46 5.13 -18.66 | 88.36 5.82 -35.19 | 64.92 6.19 -8.40 | 82.19 7.12 -17.61 | 104.01 8.14 -33.78 | 108.36 8.96 -32.05 | 115.32 10.21 -31.13 | 250.20 12.60 -151.28 | 296.37 13.30 -188.07 | 287.24 15.66 -158.90 | 184.83 13.59 -72.78 | 102.60 8.93 -21.03 | 105.22 7.89 -34.70 | 93.68 6.77 -30.54 | 66.34 5.90 -11.69 | 62.71 4.77 -18.55 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| WEST CANADA___HYD 24049 | 36.98 0.44 0.00 | 34.73 0.38 0.00 | 32.32 0.26 0.00 | 31.62 0.25 0.00 | 30.67 0.24 0.00 | 31.96 0.25 0.00 | 34.50 0.31 0.00 | 38.14 0.42 0.00 | 42.13 0.46 0.00 | 47.92 0.57 0.00 | 50.88 0.55 0.00 | 58.15 0.69 0.00 | 62.85 0.75 0.00 | 68.17 0.81 0.00 | 74.95 0.96 0.00 | 87.36 1.04 0.00 | 96.14 1.14 0.00 | 114.04 1.36 0.00 | 99.65 1.19 0.00 | 73.52 0.87 0.00 | 63.32 0.69 0.00 | 57.00 0.62 0.00 | 49.28 0.54 0.00 | 39.86 0.47 0.00 |
| WESTERN_NY_WIND 24143 | 38.00 1.46 0.00 | 34.66 0.31 0.00 | 32.23 0.16 0.00 | 31.49 0.13 0.00 | 30.30 -0.12 0.00 | 32.15 0.44 0.00 | 35.12 0.92 0.00 | 39.27 1.55 0.00 | 42.84 1.17 0.00 | 48.77 1.42 0.00 | 52.38 2.06 0.00 | 59.58 2.13 0.00 | 64.65 2.55 0.00 | 70.39 3.03 0.00 | 77.31 3.33 0.00 | 88.99 2.68 0.00 | 98.13 3.13 0.00 | 116.51 3.83 0.00 | 102.69 4.23 0.00 | 76.27 3.63 0.00 | 65.01 2.38 0.00 | 58.80 2.42 0.00 | 51.57 2.83 0.00 | 41.67 2.28 0.00 |
| WESTOVER___LESR 323668 | 38.24 1.24 -0.46 | 35.27 0.62 -0.30 | 32.78 0.58 -0.13 | 32.01 0.56 -0.08 | 30.93 0.49 -0.01 | 32.48 0.67 -0.10 | 35.53 0.96 -0.38 | 39.75 1.43 -0.59 | 43.91 1.42 -0.82 | 50.22 1.66 -1.21 | 53.91 2.06 -1.52 | 61.89 2.41 -2.02 | 67.18 2.73 -2.34 | 72.96 3.10 -2.50 | 80.43 3.48 -2.96 | 93.70 3.63 -3.76 | 103.07 3.99 -4.08 | 122.14 4.85 -4.61 | 107.33 4.63 -4.25 | 79.25 3.63 -2.98 | 67.82 2.82 -2.37 | 60.85 2.54 -1.93 | 52.50 2.34 -1.41 | 41.88 1.73 -0.76 |
| WETHRSFD_WT_PWR 323626 | 37.82 1.28 0.00 | 35.04 0.69 0.00 | 32.13 0.06 0.00 | 31.52 0.16 0.00 | 30.33 -0.09 0.00 | 32.06 0.35 0.00 | 35.08 0.89 0.00 | 39.19 1.47 0.00 | 42.72 1.04 0.00 | 48.68 1.32 0.00 | 52.39 2.06 0.00 | 59.81 2.36 0.00 | 64.77 2.67 0.00 | 70.53 3.17 0.00 | 77.39 3.41 0.00 | 89.26 2.94 0.00 | 98.52 3.52 0.00 | 116.39 3.71 0.00 | 102.79 4.33 0.00 | 76.20 3.56 0.00 | 65.01 2.38 0.00 | 58.80 2.42 0.00 | 51.52 2.78 0.00 | 41.63 2.24 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 38.84 2.30 0.00 | 36.10 1.75 0.00 | 33.57 1.51 0.00 | 32.78 1.41 0.00 | 31.89 1.46 0.00 | 33.10 1.40 0.00 | 35.97 1.78 0.00 | 39.99 2.26 0.00 | 44.43 2.75 0.00 | 50.43 3.08 0.00 | 53.74 3.42 0.00 | 61.53 4.08 0.00 | 66.88 4.78 0.00 | 72.61 5.25 0.00 | 79.98 5.99 0.00 | 91.74 7.68 2.26 | 103.07 8.07 0.00 | 122.15 9.47 0.00 | 106.44 7.98 0.00 | 77.80 5.16 0.00 | 67.07 4.45 0.00 | 60.10 3.72 0.00 | 51.92 3.17 0.00 | 41.94 2.56 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 38.84 2.30 0.00 | 36.10 1.75 0.00 | 33.57 1.51 0.00 | 32.78 1.41 0.00 | 31.89 1.46 0.00 | 33.10 1.40 0.00 | 35.97 1.78 0.00 | 39.99 2.26 0.00 | 44.43 2.75 0.00 | 50.43 3.08 0.00 | 53.74 3.42 0.00 | 61.53 4.08 0.00 | 66.88 4.78 0.00 | 72.61 5.25 0.00 | 79.98 5.99 0.00 | 91.74 7.68 2.26 | 103.07 8.07 0.00 | 122.15 9.47 0.00 | 106.44 7.98 0.00 | 77.80 5.16 0.00 | 67.07 4.45 0.00 | 60.10 3.72 0.00 | 51.92 3.17 0.00 | 41.94 2.56 0.00 |
| WHITEHAL_115KV_TB1 80871 | 40.37 3.84 0.00 | 37.58 3.23 0.00 | 34.86 2.79 0.00 | 34.03 2.67 0.00 | 33.04 2.62 0.00 | 34.43 2.73 0.00 | 37.17 2.97 0.00 | 41.20 3.47 0.00 | 45.93 4.25 0.00 | 52.14 4.78 0.00 | 54.90 4.58 0.00 | 62.91 5.46 0.00 | 67.94 5.84 0.00 | 72.95 5.59 0.00 | 80.28 6.29 0.00 | 94.39 7.85 -0.22 | 104.50 9.50 0.00 | 125.19 12.51 0.00 | 110.08 11.62 0.00 | 81.14 8.50 0.00 | 69.83 7.20 0.00 | 62.80 6.43 0.00 | 53.57 4.83 0.00 | 43.09 3.70 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 39.68 3.14 0.00 | 36.86 2.51 0.00 | 34.21 2.15 0.00 | 33.41 2.04 0.00 | 32.46 2.04 0.00 | 33.74 2.03 0.00 | 36.76 2.56 0.00 | 41.08 3.36 0.00 | 45.72 4.04 0.00 | 51.90 4.55 0.00 | 55.56 5.23 0.00 | 63.66 6.21 0.00 | 69.55 7.45 0.00 | 75.71 8.35 0.00 | 83.61 9.62 0.00 | 99.60 11.91 -1.37 | 107.83 12.83 0.00 | 127.44 14.76 0.00 | 110.96 12.50 0.00 | 80.85 8.21 0.00 | 69.52 6.89 0.00 | 61.96 5.58 0.00 | 53.43 4.68 0.00 | 43.13 3.74 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 79.36 4.06 -38.76 | 52.68 3.37 -14.96 | 46.49 2.89 -11.54 | 41.99 2.73 -7.90 | 41.40 2.68 -8.29 | 42.26 2.76 -7.79 | 44.55 3.32 -7.04 | 47.48 4.19 -5.57 | 65.46 5.13 -18.66 | 88.37 5.82 -35.20 | 70.20 6.09 -13.79 | 138.87 7.01 -74.41 | 271.01 8.07 -200.84 | 288.17 8.69 -212.13 | 275.41 9.84 -191.58 | 279.00 12.08 -180.60 | 294.23 12.64 -186.60 | 285.15 14.99 -157.48 | 268.58 13.29 -156.83 | 255.75 8.93 -174.18 | 276.97 8.02 -206.32 | 219.93 6.88 -156.68 | 70.35 5.85 -15.75 | 64.58 4.77 -20.43 |
| WOODARD__115KV_TB2 355635 | 37.55 0.11 -0.90 | 34.74 -0.21 -0.59 | 32.10 -0.22 -0.26 | 31.31 -0.22 -0.16 | 30.18 -0.27 -0.03 | 31.75 -0.16 -0.20 | 34.94 0.00 -0.75 | 39.07 0.19 -1.16 | 43.40 0.13 -1.60 | 49.92 0.19 -2.38 | 53.66 0.35 -2.98 | 61.87 0.46 -3.96 | 67.25 0.56 -4.59 | 72.92 0.67 -4.89 | 80.52 0.74 -5.80 | 94.41 0.60 -7.49 | 103.75 0.76 -7.99 | 122.60 0.90 -9.02 | 107.65 0.89 -8.30 | 79.27 0.80 -5.82 | 67.71 0.44 -4.64 | 60.56 0.39 -3.78 | 51.90 0.39 -2.76 | 41.11 0.24 -1.49 |
| YORK___WARBASSE 23770 | 39.83 3.29 -0.01 | 36.97 2.61 -0.01 | 34.29 2.21 -0.01 | 33.41 2.04 -0.01 | 32.46 2.04 0.00 | 33.64 1.93 0.00 | 36.69 2.50 0.00 | 41.13 3.40 -0.01 | 45.77 4.08 -0.01 | 51.66 4.31 0.00 | 55.00 4.68 0.00 | 82.29 5.52 -19.32 | 79.97 6.27 -11.60 | 79.90 6.80 -5.74 | 81.96 7.92 -0.06 | 116.32 7.92 -19.90 | 105.36 10.10 0.00 | 124.62 11.94 0.00 | 115.97 9.94 -7.57 | 79.18 6.17 -0.37 | 85.61 5.64 -17.35 | 150.38 4.96 -89.04 | 75.94 4.58 -22.61 | 50.60 3.98 -7.24 |