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|------------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|---------------------------|---------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ALBANY__2 23572 | 69.34 1.84 0.00 | 66.42 1.89 0.00 | 57.23 1.60 0.00 | 58.82 1.64 0.00 | 54.69 1.49 0.00 | 58.63 1.57 0.00 | 83.35 2.23 0.00 | 262.79 1.80 -190.39 | 213.27 1.95 -142.27 | 134.51 1.42 -79.87 | 45.68 1.07 0.00 | 39.60 0.92 0.00 | 33.49 0.79 0.00 | 39.13 0.91 0.00 | 40.06 1.05 0.00 | 45.45 1.22 0.00 | 59.71 1.58 0.00 | 72.49 1.47 0.00 | 52.35 1.05 0.00 | 52.22 1.20 0.00 | 51.03 1.11 0.00 | 52.77 1.28 0.00 | 44.93 0.98 0.00 | 43.15 0.91 0.00 |
| ALBANY__3 23573 | 69.34 1.84 0.00 | 66.42 1.89 0.00 | 57.23 1.60 0.00 | 58.82 1.64 0.00 | 54.69 1.49 0.00 | 58.63 1.57 0.00 | 83.35 2.23 0.00 | 262.79 1.80 -190.39 | 213.27 1.95 -142.27 | 134.51 1.42 -79.87 | 45.68 1.07 0.00 | 39.60 0.92 0.00 | 33.49 0.79 0.00 | 39.13 0.91 0.00 | 40.06 1.05 0.00 | 45.45 1.22 0.00 | 59.71 1.58 0.00 | 72.49 1.47 0.00 | 52.35 1.05 0.00 | 52.22 1.20 0.00 | 51.03 1.11 0.00 | 52.77 1.28 0.00 | 44.93 0.98 0.00 | 43.15 0.91 0.00 |
| ALBANY__4 23574 | 69.34 1.84 0.00 | 66.42 1.89 0.00 | 57.23 1.60 0.00 | 58.82 1.64 0.00 | 54.69 1.49 0.00 | 58.63 1.57 0.00 | 83.35 2.23 0.00 | 262.79 1.80 -190.39 | 213.27 1.95 -142.27 | 134.51 1.42 -79.87 | 45.68 1.07 0.00 | 39.60 0.92 0.00 | 33.49 0.79 0.00 | 39.13 0.91 0.00 | 40.06 1.05 0.00 | 45.45 1.22 0.00 | 59.71 1.58 0.00 | 72.49 1.47 0.00 | 52.35 1.05 0.00 | 52.22 1.20 0.00 | 51.03 1.11 0.00 | 52.77 1.28 0.00 | 44.93 0.98 0.00 | 43.15 0.91 0.00 |
| ALBANY__LFG 323615 | 69.83 2.33 0.00 | 66.88 2.36 0.00 | 57.61 1.98 0.00 | 59.20 2.03 0.00 | 55.00 1.79 0.00 | 58.95 1.89 0.00 | 83.85 2.73 0.00 | 300.21 2.26 -227.35 | 241.34 2.40 -169.89 | 150.35 1.75 -95.38 | 45.96 1.34 0.00 | 39.82 1.14 0.00 | 33.65 0.95 0.00 | 39.29 1.07 0.00 | 40.24 1.23 0.00 | 45.68 1.45 0.00 | 60.08 1.95 0.00 | 72.96 1.95 0.00 | 52.70 1.40 0.00 | 52.55 1.52 0.00 | 51.35 1.43 0.00 | 53.08 1.59 0.00 | 45.19 1.25 0.00 | 43.38 1.14 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 69.33 1.84 0.00 | 66.30 1.77 0.00 | 57.19 1.56 0.00 | 58.71 1.54 0.00 | 54.68 1.48 0.00 | 58.62 1.56 0.00 | 83.26 2.15 0.00 | 72.37 1.76 0.00 | 70.43 1.38 0.00 | 54.37 1.15 0.00 | 45.67 1.05 0.00 | 39.56 0.88 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.64 0.63 0.00 | 44.98 0.74 0.00 | 59.21 1.08 0.00 | 72.59 1.58 0.00 | 52.42 1.12 0.00 | 51.97 0.94 0.00 | 51.04 1.11 0.00 | 52.49 0.99 0.00 | 44.94 1.00 0.00 | 43.33 1.09 0.00 |
| ALCOA_RYNLDS__DRP 24188 | 69.34 1.84 0.00 | 66.30 1.77 0.00 | 57.19 1.56 0.00 | 58.71 1.54 0.00 | 54.69 1.48 0.00 | 58.62 1.56 0.00 | 83.26 2.15 0.00 | 72.37 1.76 0.00 | 70.43 1.38 0.00 | 54.37 1.16 0.00 | 45.67 1.05 0.00 | 39.56 0.88 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.64 0.63 0.00 | 44.98 0.74 0.00 | 59.21 1.08 0.00 | 72.59 1.58 0.00 | 52.42 1.12 0.00 | 51.97 0.94 0.00 | 51.03 1.11 0.00 | 52.48 0.99 0.00 | 44.94 1.00 0.00 | 43.33 1.09 0.00 |
| ALCOA__DSASP 323711 | 69.34 1.84 0.00 | 66.30 1.77 0.00 | 57.19 1.56 0.00 | 58.71 1.54 0.00 | 54.69 1.48 0.00 | 58.62 1.56 0.00 | 83.26 2.15 0.00 | 72.37 1.76 0.00 | 70.43 1.38 0.00 | 54.37 1.16 0.00 | 45.67 1.05 0.00 | 39.56 0.88 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.64 0.63 0.00 | 44.98 0.74 0.00 | 59.21 1.08 0.00 | 72.59 1.58 0.00 | 52.42 1.12 0.00 | 51.97 0.94 0.00 | 51.03 1.11 0.00 | 52.48 0.99 0.00 | 44.94 1.00 0.00 | 43.33 1.09 0.00 |
| ALLEGHENY__COGEN 23514 | 68.18 0.68 0.00 | 64.98 0.45 0.00 | 55.82 0.19 0.00 | 57.56 0.38 0.00 | 53.83 0.62 0.00 | 57.78 0.73 0.00 | 82.01 0.90 0.00 | 72.09 1.46 -0.02 | 69.74 0.69 0.00 | 53.22 -0.01 0.00 | 44.13 -0.48 0.00 | 37.47 -1.22 0.00 | 31.47 -1.24 0.00 | 36.78 -1.44 0.00 | 37.23 -1.78 0.00 | 42.25 -1.98 0.00 | 56.28 -1.85 0.00 | 71.43 0.42 0.00 | 51.15 -0.15 0.00 | 50.51 -0.52 0.00 | 49.34 -0.59 0.00 | 51.20 -0.29 0.00 | 44.39 0.44 0.00 | 43.02 0.77 0.00 |
| ALTMONT_115KV_TB 2 55880 | 68.80 1.30 0.00 | 65.85 1.32 0.00 | 56.76 1.14 0.00 | 58.36 1.19 0.00 | 54.28 1.07 0.00 | 58.18 1.12 0.00 | 82.74 1.63 0.00 | 204.14 1.37 -132.16 | 169.27 1.46 -98.76 | 109.70 1.04 -55.45 | 45.41 0.80 0.00 | 39.37 0.69 0.00 | 33.30 0.60 0.00 | 38.91 0.69 0.00 | 39.82 0.81 0.00 | 45.16 0.92 0.00 | 59.28 1.15 0.00 | 72.19 1.18 0.00 | 52.15 0.86 0.00 | 51.99 0.97 0.00 | 50.83 0.90 0.00 | 52.50 1.01 0.00 | 44.73 0.79 0.00 | 42.94 0.70 0.00 |
| ALTONA_WT_PWR 323606 | 69.55 2.05 0.00 | 66.38 1.85 0.00 | 57.24 1.61 0.00 | 58.88 1.70 0.00 | 54.80 1.59 0.00 | 58.53 1.46 0.00 | 82.90 1.79 0.00 | 71.88 1.27 0.00 | 70.23 1.18 0.00 | 54.36 1.14 0.00 | 45.72 1.11 0.00 | 39.59 0.91 0.00 | 33.13 0.43 0.00 | 38.72 0.50 0.00 | 39.45 0.45 0.00 | 44.87 0.63 0.00 | 59.38 1.25 0.00 | 72.91 1.90 0.00 | 52.60 1.31 0.00 | 52.28 1.25 0.00 | 51.28 1.36 0.00 | 52.69 1.19 0.00 | 44.87 0.93 0.00 | 43.11 0.87 0.00 |
| AMERICAN_REF_FUEL 24010 | 46.97 -5.11 15.42 | 51.59 -5.63 7.32 | 50.71 -4.92 0.00 | 52.09 -5.09 0.00 | 46.29 -4.75 2.17 | 47.06 -5.87 4.14 | 61.18 -9.65 10.28 | 54.04 -7.30 9.26 | 58.91 -7.33 2.81 | 38.65 -5.44 9.13 | 40.00 -4.61 0.00 | 34.46 -4.22 0.00 | 29.09 -3.61 0.00 | 34.16 -4.06 0.00 | 34.39 -4.61 0.00 | 38.68 -5.56 0.00 | 50.95 -7.18 0.00 | 62.86 -7.82 0.33 | 45.44 -5.51 0.35 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.15 0.00 | 39.55 -4.40 0.00 | 38.84 -3.40 0.00 |
| ARKWRIGHT__SUMMIT_WT_PWR 323751 | 45.74 -1.46 20.30 | 53.03 -1.87 9.64 | 53.86 -1.77 0.00 | 55.49 -1.69 0.00 | 48.92 -1.44 2.86 | 49.87 -1.73 5.45 | 64.17 -3.51 13.44 | 60.75 -1.10 8.76 | 65.45 -0.99 2.61 | 42.97 -0.70 9.54 | 43.92 -0.69 0.00 | 37.84 -0.84 0.00 | 32.06 -0.64 0.00 | 37.74 -0.49 0.00 | 38.02 -0.99 0.00 | 42.39 -1.85 0.00 | 55.50 -2.63 0.00 | 68.14 -2.49 0.38 | 49.31 -1.58 0.41 | 48.76 -2.27 0.00 | 47.77 -2.16 0.00 | 49.18 -2.32 0.00 | 42.48 -1.46 0.00 | 41.27 -0.97 0.00 |
| ARTHUR_KILL_GT_1 23520 | 69.35 1.85 0.00 | 66.40 1.87 0.00 | 57.35 1.72 0.00 | 58.64 1.46 0.00 | 54.63 1.42 0.00 | 58.74 1.68 0.00 | 83.82 2.71 0.00 | 95.87 2.29 -22.97 | 88.18 1.96 -17.16 | 64.58 1.73 -9.64 | 46.34 1.72 0.00 | 40.37 1.69 0.00 | 34.53 1.83 0.00 | 40.64 2.42 0.00 | 41.59 2.58 0.00 | 47.09 2.85 0.00 | 61.10 2.97 0.00 | 73.84 2.83 0.00 | 53.47 2.17 0.00 | 53.50 2.48 0.00 | 52.10 2.18 0.00 | 53.83 2.34 0.00 | 45.79 1.85 0.00 | 43.78 1.54 0.00 |
| ARTHUR_KILL_2 23512 | 69.15 1.66 0.00 | 66.21 1.68 0.00 | 57.20 1.57 0.00 | 58.48 1.30 0.00 | 54.48 1.27 0.00 | 58.56 1.50 0.00 | 83.57 2.46 0.00 | 95.66 2.09 -22.97 | 87.98 1.76 -17.16 | 64.43 1.58 -9.64 | 46.23 1.62 0.00 | 40.25 1.57 0.00 | 34.44 1.74 0.00 | 40.53 2.31 0.00 | 41.48 2.48 0.00 | 46.95 2.71 0.00 | 60.95 2.82 0.00 | 73.63 2.62 0.00 | 53.31 2.01 0.00 | 53.35 2.32 0.00 | 51.95 2.02 0.00 | 53.67 2.18 0.00 | 45.67 1.73 0.00 | 43.66 1.42 0.00 |
| ARTHUR_KILL_3 23513 | 68.74 1.24 0.00 | 65.75 1.22 0.00 | 56.81 1.18 0.00 | 58.13 0.96 0.00 | 54.15 0.94 0.00 | 58.18 1.12 0.00 | 83.03 1.92 0.00 | 95.31 1.74 -22.97 | 88.09 1.88 -17.16 | 64.51 1.65 -9.64 | 46.25 1.64 0.00 | 40.30 1.62 0.00 | 34.52 1.82 0.00 | 40.54 2.32 0.00 | 41.49 2.48 0.00 | 46.97 2.73 0.00 | 61.05 2.92 0.00 | 73.86 2.85 0.00 | 53.28 1.98 0.00 | 53.16 2.14 0.00 | 51.81 1.88 0.00 | 53.49 2.00 0.00 | 45.48 1.54 0.00 | 43.48 1.23 0.00 |

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| ARTHUR_KILL_COGEN 323718 | 69.35 1.85 0.00 | 66.40 1.87 0.00 | 57.35 1.72 0.00 | 58.64 1.46 0.00 | 54.63 1.42 0.00 | 58.73 1.68 0.00 | 83.82 2.70 0.00 | 95.87 2.30 -22.97 | 88.18 1.96 -17.16 | 64.58 1.73 -9.64 | 46.34 1.73 0.00 | 40.36 1.68 0.00 | 34.53 1.83 0.00 | 40.63 2.41 0.00 | 41.59 2.58 0.00 | 47.08 2.85 0.00 | 61.11 2.98 0.00 | 73.84 2.83 0.00 | 53.47 2.17 0.00 | 53.50 2.48 0.00 | 52.10 2.17 0.00 | 53.83 2.33 0.00 | 45.80 1.86 0.00 | 43.78 1.54 0.00 |
| ASHOKAN____ 23654 | 70.36 2.86 0.00 | 67.26 2.73 0.00 | 57.99 2.36 0.00 | 59.59 2.42 0.00 | 55.49 2.28 0.00 | 59.64 2.58 0.00 | 85.41 4.30 0.00 | 173.16 3.45 -99.10 | 146.74 3.63 -74.06 | 97.45 2.66 -41.58 | 46.60 1.98 0.00 | 40.39 1.71 0.00 | 34.15 1.45 0.00 | 39.86 1.64 0.00 | 40.54 1.53 0.00 | 46.08 1.84 0.00 | 60.76 2.63 0.00 | 74.47 3.46 0.00 | 54.10 2.80 0.00 | 53.97 2.94 0.00 | 52.68 2.76 0.00 | 54.33 2.84 0.00 | 46.13 2.19 0.00 | 44.22 1.97 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 68.95 1.45 0.00 | 65.99 1.46 0.00 | 56.98 1.35 0.00 | 58.32 1.14 0.00 | 54.31 1.10 0.00 | 58.40 1.35 0.00 | 83.32 2.21 0.00 | 95.57 1.99 -22.97 | 88.26 2.05 -17.16 | 64.68 1.82 -9.64 | 46.46 1.84 0.00 | 40.47 1.79 0.00 | 34.62 1.92 0.00 | 40.60 2.38 0.00 | 41.60 2.59 0.00 | 47.11 2.88 0.00 | 61.24 3.11 0.00 | 73.84 2.83 0.00 | 53.36 2.06 0.00 | 53.33 2.30 0.00 | 51.94 2.01 0.00 | 53.72 2.23 0.00 | 45.67 1.72 0.00 | 43.62 1.38 0.00 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 68.95 1.45 0.00 | 65.99 1.46 0.00 | 56.98 1.35 0.00 | 58.32 1.14 0.00 | 54.31 1.10 0.00 | 58.40 1.35 0.00 | 83.32 2.21 0.00 | 95.57 1.99 -22.97 | 88.26 2.05 -17.16 | 64.68 1.82 -9.64 | 46.46 1.84 0.00 | 40.47 1.79 0.00 | 34.63 1.92 0.00 | 40.60 2.38 0.00 | 41.60 2.59 0.00 | 47.11 2.88 0.00 | 61.24 3.11 0.00 | 73.84 2.83 0.00 | 53.36 2.06 0.00 | 53.33 2.30 0.00 | 51.94 2.01 0.00 | 53.72 2.23 0.00 | 45.67 1.72 0.00 | 43.62 1.38 0.00 |
| ASTORIA_GT2_1 24094 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT2_2 24095 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT2_3 24096 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT2_4 24097 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT3_1 24098 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT3_2 24099 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT3_3 24100 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT3_4 24101 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT4_1 24102 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT4_2 24103 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT4_3 24104 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |

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| ASTORIA_GT4_4 24105 | 68.97 1.47 0.00 | 66.05 1.52 0.00 | 57.02 1.40 0.00 | 58.36 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.62 2.04 -22.97 | 88.32 2.11 -17.16 | 64.70 1.85 -9.64 | 46.48 1.87 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.62 2.40 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.26 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.73 0.00 | 43.65 1.40 0.00 |
| ASTORIA_GT_1 23523 | 69.10 1.61 0.00 | 66.18 1.64 0.00 | 57.12 1.49 0.00 | 58.46 1.28 0.00 | 54.44 1.23 0.00 | 58.55 1.49 0.00 | 83.53 2.41 0.00 | 95.76 2.19 -22.97 | 88.47 2.26 -17.16 | 64.82 1.96 -9.64 | 46.58 1.97 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.70 2.48 0.00 | 41.70 2.69 0.00 | 47.23 3.00 0.00 | 61.38 3.25 0.00 | 74.05 3.03 0.00 | 53.50 2.20 0.00 | 53.46 2.44 0.00 | 52.08 2.15 0.00 | 53.85 2.35 0.00 | 45.76 1.82 0.00 | 43.72 1.48 0.00 |
| ASTORIA_GT_10 24110 | 69.25 1.75 0.00 | 66.24 1.71 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.62 1.56 0.00 | 83.69 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.96 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.77 2.55 0.00 | 41.75 2.74 0.00 | 47.29 3.06 0.00 | 61.45 3.32 0.00 | 74.23 3.22 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.42 0.00 | 45.82 1.88 0.00 | 43.80 1.56 0.00 |
| ASTORIA_GT_11 24225 | 69.25 1.75 0.00 | 66.24 1.71 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.62 1.56 0.00 | 83.69 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.96 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.77 2.55 0.00 | 41.75 2.74 0.00 | 47.29 3.06 0.00 | 61.45 3.32 0.00 | 74.23 3.22 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.42 0.00 | 45.82 1.88 0.00 | 43.80 1.56 0.00 |
| ASTORIA_GT_12 24226 | 69.25 1.75 0.00 | 66.24 1.71 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.62 1.56 0.00 | 83.69 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.96 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.77 2.55 0.00 | 41.75 2.74 0.00 | 47.29 3.06 0.00 | 61.45 3.32 0.00 | 74.23 3.22 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.42 0.00 | 45.82 1.88 0.00 | 43.80 1.56 0.00 |
| ASTORIA_GT_13 24227 | 69.25 1.75 0.00 | 66.24 1.71 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.62 1.56 0.00 | 83.69 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.96 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.77 2.55 0.00 | 41.75 2.74 0.00 | 47.29 3.06 0.00 | 61.45 3.32 0.00 | 74.23 3.22 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.42 0.00 | 45.82 1.88 0.00 | 43.80 1.56 0.00 |
| ASTORIA_GT_5 24106 | 69.10 1.61 0.00 | 66.18 1.64 0.00 | 57.12 1.49 0.00 | 58.46 1.28 0.00 | 54.44 1.23 0.00 | 58.55 1.49 0.00 | 83.53 2.41 0.00 | 95.76 2.19 -22.97 | 88.47 2.26 -17.16 | 64.82 1.96 -9.64 | 46.58 1.97 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.70 2.48 0.00 | 41.70 2.69 0.00 | 47.23 3.00 0.00 | 61.38 3.25 0.00 | 74.05 3.03 0.00 | 53.50 2.20 0.00 | 53.46 2.44 0.00 | 52.08 2.15 0.00 | 53.85 2.35 0.00 | 45.76 1.82 0.00 | 43.72 1.48 0.00 |
| ASTORIA_GT_7 24107 | 69.10 1.61 0.00 | 66.18 1.64 0.00 | 57.12 1.49 0.00 | 58.46 1.28 0.00 | 54.44 1.23 0.00 | 58.55 1.49 0.00 | 83.53 2.41 0.00 | 95.76 2.19 -22.97 | 88.47 2.26 -17.16 | 64.82 1.96 -9.64 | 46.58 1.97 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.70 2.48 0.00 | 41.70 2.69 0.00 | 47.23 3.00 0.00 | 61.38 3.25 0.00 | 74.05 3.03 0.00 | 53.50 2.20 0.00 | 53.46 2.44 0.00 | 52.08 2.15 0.00 | 53.85 2.35 0.00 | 45.76 1.82 0.00 | 43.72 1.48 0.00 |
| ASTORIA_GT_8 24108 | 69.10 1.61 0.00 | 66.18 1.64 0.00 | 57.12 1.49 0.00 | 58.46 1.28 0.00 | 54.44 1.23 0.00 | 58.55 1.49 0.00 | 83.53 2.41 0.00 | 95.76 2.19 -22.97 | 88.47 2.26 -17.16 | 64.82 1.96 -9.64 | 46.58 1.97 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.70 2.48 0.00 | 41.70 2.69 0.00 | 47.23 3.00 0.00 | 61.38 3.25 0.00 | 74.05 3.03 0.00 | 53.50 2.20 0.00 | 53.46 2.44 0.00 | 52.08 2.15 0.00 | 53.85 2.35 0.00 | 45.76 1.82 0.00 | 43.72 1.48 0.00 |
| ASTORIA___2 24149 | 68.98 1.48 0.00 | 66.02 1.49 0.00 | 57.02 1.40 0.00 | 58.37 1.19 0.00 | 54.34 1.13 0.00 | 58.43 1.37 0.00 | 83.38 2.27 0.00 | 95.61 2.04 -22.97 | 88.32 2.10 -17.16 | 64.70 1.85 -9.64 | 46.49 1.87 0.00 | 40.49 1.81 0.00 | 34.64 1.94 0.00 | 40.62 2.40 0.00 | 41.62 2.61 0.00 | 47.13 2.89 0.00 | 61.27 3.14 0.00 | 73.89 2.88 0.00 | 53.39 2.09 0.00 | 53.35 2.32 0.00 | 51.97 2.05 0.00 | 53.74 2.25 0.00 | 45.68 1.74 0.00 | 43.65 1.40 0.00 |
| ASTORIA___3 23516 | 69.26 1.76 0.00 | 66.23 1.70 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.61 1.55 0.00 | 83.68 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.97 0.00 | 40.57 1.89 0.00 | 34.71 2.01 0.00 | 40.77 2.56 0.00 | 41.75 2.74 0.00 | 47.29 3.05 0.00 | 61.46 3.33 0.00 | 74.22 3.21 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.41 0.00 | 45.84 1.89 0.00 | 43.80 1.56 0.00 |
| ASTORIA___4 23517 | 69.25 1.75 0.00 | 66.24 1.71 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.62 1.56 0.00 | 83.69 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.85 2.00 -9.64 | 46.58 1.96 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.77 2.55 0.00 | 41.75 2.74 0.00 | 47.29 3.06 0.00 | 61.45 3.32 0.00 | 74.22 3.21 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.41 0.00 | 45.82 1.88 0.00 | 43.80 1.56 0.00 |
| ASTORIA___5 23518 | 69.26 1.76 0.00 | 66.23 1.70 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.61 1.55 0.00 | 83.68 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.97 0.00 | 40.58 1.89 0.00 | 34.71 2.01 0.00 | 40.77 2.56 0.00 | 41.75 2.74 0.00 | 47.29 3.05 0.00 | 61.46 3.33 0.00 | 74.22 3.21 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.42 0.00 | 45.84 1.89 0.00 | 43.80 1.56 0.00 |
| AST_ENERGY_2_CC3 323677 | 68.84 1.34 0.00 | 65.84 1.31 0.00 | 56.95 1.32 0.00 | 58.28 1.10 0.00 | 54.26 1.06 0.00 | 58.34 1.28 0.00 | 83.24 2.13 0.00 | 95.38 1.80 -22.97 | 88.10 1.89 -17.16 | 64.53 1.68 -9.64 | 46.30 1.68 0.00 | 40.35 1.67 0.00 | 34.55 1.85 0.00 | 40.55 2.33 0.00 | 41.51 2.50 0.00 | 47.01 2.77 0.00 | 61.13 3.00 0.00 | 73.92 2.90 0.00 | 53.33 2.03 0.00 | 53.23 2.21 0.00 | 51.90 1.97 0.00 | 53.58 2.08 0.00 | 45.54 1.60 0.00 | 43.55 1.31 0.00 |
| AST_ENERGY_2_CC4 323678 | 68.84 1.34 0.00 | 65.84 1.31 0.00 | 56.95 1.32 0.00 | 58.28 1.10 0.00 | 54.26 1.06 0.00 | 58.34 1.28 0.00 | 83.24 2.13 0.00 | 95.38 1.80 -22.97 | 88.10 1.89 -17.16 | 64.53 1.68 -9.64 | 46.30 1.68 0.00 | 40.35 1.67 0.00 | 34.55 1.85 0.00 | 40.55 2.33 0.00 | 41.51 2.50 0.00 | 47.01 2.77 0.00 | 61.13 3.00 0.00 | 73.92 2.90 0.00 | 53.33 2.03 0.00 | 53.23 2.21 0.00 | 51.90 1.97 0.00 | 53.58 2.08 0.00 | 45.54 1.60 0.00 | 43.55 1.31 0.00 |

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| ATHENS_STG_1 23668 | 66.71 -0.79 0.00 | 63.87 -0.66 0.00 | 55.15 -0.47 0.00 | 56.59 -0.58 0.00 | 52.69 -0.52 0.00 | 56.53 -0.53 0.00 | 80.49 -0.62 0.00 | 94.24 -0.55 -24.18 | 86.70 -0.42 -18.07 | 63.14 -0.23 -10.14 | 44.52 -0.09 0.00 | 38.80 0.11 0.00 | 33.23 0.53 0.00 | 39.04 0.82 0.00 | 39.95 0.94 0.00 | 45.13 0.89 0.00 | 58.68 0.54 0.00 | 71.06 0.05 0.00 | 51.28 -0.01 0.00 | 51.21 0.18 0.00 | 49.94 0.02 0.00 | 51.58 0.08 0.00 | 43.88 -0.06 0.00 | 41.99 -0.25 0.00 |
| ATHENS_STG_2 23670 | 66.71 -0.79 0.00 | 63.87 -0.66 0.00 | 55.15 -0.47 0.00 | 56.59 -0.58 0.00 | 52.69 -0.52 0.00 | 56.53 -0.53 0.00 | 80.49 -0.62 0.00 | 94.24 -0.55 -24.18 | 86.70 -0.42 -18.07 | 63.14 -0.23 -10.14 | 44.52 -0.09 0.00 | 38.80 0.11 0.00 | 33.23 0.53 0.00 | 39.04 0.82 0.00 | 39.95 0.94 0.00 | 45.13 0.89 0.00 | 58.68 0.54 0.00 | 71.06 0.05 0.00 | 51.28 -0.01 0.00 | 51.21 0.18 0.00 | 49.94 0.02 0.00 | 51.58 0.08 0.00 | 43.88 -0.06 0.00 | 41.99 -0.25 0.00 |
| ATHENS_STG_3 23677 | 66.71 -0.79 0.00 | 63.87 -0.66 0.00 | 55.15 -0.47 0.00 | 56.59 -0.58 0.00 | 52.69 -0.52 0.00 | 56.53 -0.53 0.00 | 80.49 -0.62 0.00 | 94.24 -0.55 -24.18 | 86.70 -0.42 -18.07 | 63.14 -0.23 -10.14 | 44.52 -0.09 0.00 | 38.80 0.11 0.00 | 33.23 0.53 0.00 | 39.04 0.82 0.00 | 39.95 0.94 0.00 | 45.13 0.89 0.00 | 58.68 0.54 0.00 | 71.06 0.05 0.00 | 51.28 -0.01 0.00 | 51.21 0.18 0.00 | 49.94 0.02 0.00 | 51.58 0.08 0.00 | 43.88 -0.06 0.00 | 41.99 -0.25 0.00 |
| AUBURN___LFGE 323710 | 66.99 -0.52 0.00 | 63.92 -0.61 0.00 | 55.10 -0.53 0.00 | 56.67 -0.50 0.00 | 52.57 -0.63 0.00 | 56.45 -0.61 0.00 | 80.20 -0.92 0.00 | 69.66 -0.95 0.00 | 68.01 -1.04 0.00 | 52.23 -0.99 0.00 | 43.74 -0.87 0.00 | 37.83 -0.85 0.00 | 31.87 -0.83 0.00 | 37.16 -1.06 0.00 | 37.81 -1.20 0.00 | 43.05 -1.19 0.00 | 57.06 -1.07 0.00 | 70.22 -0.79 0.00 | 50.98 -0.31 0.00 | 50.80 -0.22 0.00 | 49.49 -0.44 0.00 | 51.11 -0.38 0.00 | 43.69 -0.25 0.00 | 42.07 -0.17 0.00 |
| BABYLON_RES_REC 323704 | 70.07 2.57 0.00 | 66.78 2.25 0.00 | 57.73 2.11 0.00 | 59.08 1.90 0.00 | 55.21 2.00 0.00 | 59.31 2.25 0.00 | 84.16 3.04 0.00 | 95.83 2.26 -22.97 | 88.06 1.84 -17.16 | 65.07 2.21 -9.64 | 46.97 2.35 0.00 | 40.91 2.22 0.00 | 35.05 2.35 0.00 | 40.97 2.75 0.00 | 42.05 3.04 0.00 | 47.71 3.47 0.00 | 62.30 4.17 0.00 | 75.17 4.16 0.00 | 53.95 2.66 0.00 | 54.31 3.28 0.00 | 52.99 3.06 0.00 | 55.02 3.14 -0.39 | 46.46 2.51 0.00 | 44.42 2.18 0.00 |
| BALL_HILL_WT_PWR 323825 | 46.77 -2.45 18.27 | 53.04 -2.82 8.67 | 52.96 -2.67 0.00 | 54.53 -2.64 0.00 | 48.32 -2.32 2.57 | 49.39 -2.76 4.91 | 63.88 -5.04 12.19 | 58.32 -3.12 9.17 | 62.98 -3.26 2.81 | 40.72 -2.40 10.10 | 42.54 -2.07 0.00 | 36.67 -2.01 0.00 | 31.07 -1.63 0.00 | 36.56 -1.65 0.00 | 36.84 -2.17 0.00 | 41.44 -2.80 0.00 | 54.36 -3.77 0.00 | 66.70 -3.92 0.39 | 48.20 -2.68 0.42 | 47.78 -3.24 0.00 | 46.79 -3.13 0.00 | 48.19 -3.30 0.00 | 41.72 -2.22 0.00 | 40.65 -1.59 0.00 |
| BARON_WINDS___WT_PWR 323822 | 69.66 -2.75 -4.91 | 64.41 -2.45 -2.33 | 53.47 -2.16 0.00 | 55.22 -1.95 0.00 | 52.23 -1.67 -0.69 | 56.46 -1.92 -1.32 | 80.96 -3.48 -3.33 | 79.39 -2.50 -11.28 | 73.22 -2.68 -6.86 | 57.88 -2.08 -6.74 | 42.93 -1.68 0.00 | 37.04 -1.65 0.00 | 31.32 -1.38 0.00 | 36.70 -1.52 0.00 | 37.17 -1.84 0.00 | 41.92 -2.32 0.00 | 55.07 -3.07 0.00 | 67.97 -3.18 -0.13 | 49.31 -2.13 -0.14 | 48.48 -2.54 0.00 | 47.38 -2.54 0.00 | 49.07 -2.43 0.00 | 42.36 -1.59 0.00 | 41.22 -1.03 0.00 |
| BARRETT_IC_1 23704 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_10 23701 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_11 23702 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_12 23703 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_2 23705 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_3 23706 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_4 23707 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_5 23708 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |

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| BARRETT_IC_6 23709 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_7 23710 | 69.15 1.65 0.00 | 66.01 1.48 0.00 | 57.01 1.39 0.00 | 58.37 1.20 0.00 | 54.50 1.29 0.00 | 58.38 1.32 0.00 | 82.70 1.58 0.00 | 94.72 1.14 -22.97 | 87.16 0.95 -17.16 | 64.27 1.41 -9.64 | 46.32 1.71 0.00 | 40.36 1.68 0.00 | 34.62 1.92 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.85 0.00 | 61.34 3.20 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.74 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_8 23711 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT_IC_9 23700 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT__1 23545 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BARRETT__2 23546 | 69.15 1.65 0.00 | 66.00 1.47 0.00 | 57.02 1.39 0.00 | 58.38 1.20 0.00 | 54.49 1.28 0.00 | 58.38 1.32 0.00 | 82.66 1.55 0.00 | 94.71 1.13 -22.97 | 87.16 0.95 -17.16 | 64.28 1.42 -9.64 | 46.32 1.71 0.00 | 40.35 1.67 0.00 | 34.62 1.91 0.00 | 40.65 2.43 0.00 | 41.62 2.61 0.00 | 47.08 2.84 0.00 | 61.34 3.21 0.00 | 73.81 2.80 0.00 | 53.05 1.76 0.00 | 53.44 2.41 0.00 | 52.14 2.22 0.00 | 53.79 2.29 0.00 | 45.75 1.80 0.00 | 43.74 1.49 0.00 |
| BATAVIA__115KV_TB1 55881 | 65.52 -1.97 0.00 | 62.00 -2.52 0.00 | 53.33 -2.30 0.00 | 54.82 -2.36 0.00 | 51.09 -2.12 0.00 | 54.41 -2.65 0.00 | 76.74 -4.38 0.00 | 67.68 -2.75 0.18 | 66.64 -2.35 0.06 | 50.62 -2.51 0.08 | 41.85 -2.77 0.00 | 35.89 -2.80 0.00 | 30.24 -2.46 0.00 | 35.42 -2.80 0.00 | 35.78 -3.23 0.00 | 40.50 -3.74 0.00 | 54.14 -4.00 0.00 | 68.02 -2.99 0.00 | 49.77 -1.52 0.00 | 49.11 -1.92 0.00 | 48.03 -1.89 0.00 | 49.34 -2.15 0.00 | 42.58 -1.36 0.00 | 41.38 -0.86 0.00 |
| BAYONEEC__CTG1 323682 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC__CTG10 323750 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC__CTG2 323683 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC__CTG3 323684 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC__CTG4 323685 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC__CTG5 323686 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC__CTG6 323687 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC__CTG7 323688 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|---------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BAYONEEC___CTG8 323689 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BAYONEEC___CTG9 323749 | 68.97 1.47 0.00 | 65.96 1.42 0.00 | 56.98 1.35 0.00 | 58.30 1.13 0.00 | 54.31 1.10 0.00 | 58.36 1.30 0.00 | 83.28 2.17 0.00 | 95.51 1.94 -22.97 | 88.25 2.03 -17.16 | 64.64 1.78 -9.64 | 46.40 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.90 0.00 | 40.63 2.41 0.00 | 41.58 2.57 0.00 | 47.10 2.86 0.00 | 61.22 3.09 0.00 | 74.02 3.01 0.00 | 53.40 2.11 0.00 | 53.31 2.29 0.00 | 51.95 2.03 0.00 | 53.65 2.16 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| BEACON___LESR 323632 | 69.93 2.43 0.00 | 66.99 2.46 0.00 | 57.64 2.02 0.00 | 59.33 2.16 0.00 | 55.08 1.88 0.00 | 59.22 2.16 0.00 | 84.26 3.15 0.00 | 266.23 2.61 -193.02 | 216.04 2.75 -144.24 | 136.16 1.96 -80.97 | 46.11 1.50 0.00 | 39.86 1.18 0.00 | 33.69 0.99 0.00 | 39.34 1.11 0.00 | 40.28 1.27 0.00 | 45.79 1.55 0.00 | 60.36 2.23 0.00 | 73.25 2.24 0.00 | 52.98 1.69 0.00 | 52.99 1.96 0.00 | 51.66 1.74 0.00 | 53.39 1.89 0.00 | 45.35 1.41 0.00 | 43.67 1.43 0.00 |
| BEAVER RIVER___HYD 24048 | 69.92 2.42 0.00 | 67.07 2.54 0.00 | 57.76 2.13 0.00 | 59.30 2.13 0.00 | 55.09 1.88 0.00 | 59.33 2.27 0.00 | 85.05 3.94 0.00 | 73.95 3.34 0.00 | 71.48 2.43 0.00 | 54.12 0.90 0.00 | 44.93 0.32 0.00 | 38.78 0.10 0.00 | 32.50 -0.20 0.00 | 37.92 -0.30 0.00 | 38.66 -0.35 0.00 | 44.05 -0.18 0.00 | 58.54 0.41 0.00 | 73.37 2.36 0.00 | 53.59 2.29 0.00 | 53.04 2.02 0.00 | 51.29 1.36 0.00 | 52.94 1.45 0.00 | 45.45 1.50 0.00 | 43.90 1.66 0.00 |
| BEEBEE_GT_13 23619 | 65.57 -1.93 0.00 | 62.31 -2.22 0.00 | 53.52 -2.11 0.00 | 55.02 -2.15 0.00 | 51.38 -1.83 0.00 | 55.01 -2.05 0.00 | 77.92 -3.19 0.00 | 68.11 -2.50 0.00 | 66.35 -2.70 0.00 | 50.87 -2.35 0.00 | 42.46 -2.15 0.00 | 36.63 -2.06 0.00 | 30.91 -1.79 0.00 | 36.19 -2.03 0.00 | 36.72 -2.29 0.00 | 41.80 -2.44 0.00 | 55.50 -2.63 0.00 | 68.64 -2.36 0.00 | 49.73 -1.57 0.00 | 49.19 -1.84 0.00 | 48.06 -1.86 0.00 | 49.45 -2.04 0.00 | 42.43 -1.51 0.00 | 41.01 -1.23 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 69.52 2.03 0.00 | 66.51 1.98 0.00 | 57.42 1.80 0.00 | 58.71 1.54 0.00 | 54.69 1.48 0.00 | 58.83 1.77 0.00 | 83.99 2.88 0.00 | 96.13 2.55 -22.97 | 88.67 2.46 -17.16 | 65.00 2.14 -9.64 | 46.74 2.12 0.00 | 40.73 2.04 0.00 | 34.83 2.13 0.00 | 40.96 2.73 0.00 | 41.93 2.92 0.00 | 47.47 3.23 0.00 | 61.66 3.53 0.00 | 74.53 3.52 0.00 | 53.83 2.53 0.00 | 53.78 2.76 0.00 | 52.39 2.47 0.00 | 54.12 2.63 0.00 | 46.01 2.07 0.00 | 43.99 1.75 0.00 |
| BETHLEHEM___GRP 23843 | 69.34 1.84 0.00 | 66.42 1.89 0.00 | 57.23 1.60 0.00 | 58.82 1.64 0.00 | 54.69 1.49 0.00 | 58.63 1.57 0.00 | 83.35 2.23 0.00 | 262.79 1.80 -190.39 | 213.27 1.95 -142.27 | 134.51 1.42 -79.87 | 45.68 1.07 0.00 | 39.60 0.92 0.00 | 33.49 0.79 0.00 | 39.13 0.91 0.00 | 40.06 1.05 0.00 | 45.45 1.22 0.00 | 59.71 1.58 0.00 | 72.49 1.47 0.00 | 52.35 1.05 0.00 | 52.22 1.20 0.00 | 51.03 1.11 0.00 | 52.77 1.28 0.00 | 44.93 0.98 0.00 | 43.15 0.91 0.00 |
| BETHLEHEM___GS1 323560 | 69.34 1.84 0.00 | 66.42 1.89 0.00 | 57.23 1.60 0.00 | 58.82 1.65 0.00 | 54.69 1.48 0.00 | 58.63 1.57 0.00 | 83.35 2.23 0.00 | 262.79 1.79 -190.39 | 213.26 1.95 -142.27 | 134.51 1.42 -79.87 | 45.68 1.07 0.00 | 39.60 0.92 0.00 | 33.49 0.79 0.00 | 39.13 0.91 0.00 | 40.06 1.05 0.00 | 45.45 1.22 0.00 | 59.71 1.58 0.00 | 72.48 1.47 0.00 | 52.35 1.05 0.00 | 52.22 1.19 0.00 | 51.03 1.11 0.00 | 52.77 1.28 0.00 | 44.93 0.98 0.00 | 43.15 0.91 0.00 |
| BETHLEHEM___GS2 323561 | 69.34 1.84 0.00 | 66.42 1.89 0.00 | 57.23 1.60 0.00 | 58.82 1.65 0.00 | 54.69 1.48 0.00 | 58.63 1.57 0.00 | 83.35 2.23 0.00 | 262.79 1.79 -190.39 | 213.26 1.95 -142.27 | 134.51 1.42 -79.87 | 45.68 1.07 0.00 | 39.60 0.92 0.00 | 33.49 0.79 0.00 | 39.13 0.91 0.00 | 40.06 1.05 0.00 | 45.45 1.22 0.00 | 59.71 1.58 0.00 | 72.48 1.47 0.00 | 52.35 1.05 0.00 | 52.22 1.19 0.00 | 51.03 1.11 0.00 | 52.77 1.28 0.00 | 44.93 0.98 0.00 | 43.15 0.91 0.00 |
| BETHLEHEM___GS3 323562 | 69.34 1.84 0.00 | 66.42 1.89 0.00 | 57.23 1.60 0.00 | 58.82 1.65 0.00 | 54.69 1.48 0.00 | 58.63 1.57 0.00 | 83.35 2.23 0.00 | 262.79 1.79 -190.39 | 213.26 1.95 -142.27 | 134.51 1.42 -79.87 | 45.68 1.07 0.00 | 39.60 0.92 0.00 | 33.49 0.79 0.00 | 39.13 0.91 0.00 | 40.06 1.05 0.00 | 45.45 1.22 0.00 | 59.71 1.58 0.00 | 72.48 1.47 0.00 | 52.35 1.05 0.00 | 52.22 1.19 0.00 | 51.03 1.11 0.00 | 52.77 1.28 0.00 | 44.93 0.98 0.00 | 43.15 0.91 0.00 |
| BETHLEHEM___STEEL 23779 | 65.10 -2.40 0.00 | 61.68 -2.85 0.00 | 52.81 -2.82 0.00 | 54.33 -2.84 0.00 | 50.79 -2.42 0.00 | 54.15 -2.91 0.00 | 75.89 -5.23 0.00 | 68.57 -3.14 -1.11 | 66.07 -3.29 -0.31 | 51.34 -2.35 -0.47 | 42.48 -2.14 0.00 | 36.45 -2.23 0.00 | 30.84 -1.86 0.00 | 36.27 -1.95 0.00 | 36.51 -2.49 0.00 | 41.12 -3.12 0.00 | 54.18 -3.95 0.00 | 67.02 -3.99 0.00 | 48.51 -2.79 0.00 | 47.60 -3.43 0.00 | 46.59 -3.34 0.00 | 47.93 -3.57 0.00 | 41.59 -2.36 0.00 | 40.58 -1.66 0.00 |
| BETHLHEM_115KV_TB1 79974 | 68.82 1.32 0.00 | 65.91 1.38 0.00 | 56.81 1.18 0.00 | 58.40 1.23 0.00 | 54.32 1.11 0.00 | 58.23 1.17 0.00 | 82.81 1.70 0.00 | 184.50 1.34 -112.55 | 154.61 1.45 -84.10 | 101.51 1.08 -47.22 | 45.46 0.85 0.00 | 39.45 0.77 0.00 | 33.38 0.68 0.00 | 38.99 0.77 0.00 | 39.89 0.88 0.00 | 45.24 1.00 0.00 | 59.35 1.21 0.00 | 72.19 1.18 0.00 | 52.15 0.85 0.00 | 51.99 0.97 0.00 | 50.82 0.89 0.00 | 52.51 1.02 0.00 | 44.74 0.79 0.00 | 42.95 0.71 0.00 |
| BETHPAGE_CC_5 323564 | 69.51 2.01 0.00 | 66.28 1.75 0.00 | 57.28 1.65 0.00 | 58.62 1.45 0.00 | 54.76 1.56 0.00 | 58.77 1.71 0.00 | 83.42 2.31 0.00 | 95.30 1.72 -22.97 | 87.64 1.43 -17.16 | 64.66 1.80 -9.64 | 46.55 1.93 0.00 | 40.55 1.87 0.00 | 34.76 2.06 0.00 | 40.70 2.48 0.00 | 41.71 2.70 0.00 | 47.29 3.05 0.00 | 61.69 3.56 0.00 | 74.49 3.48 0.00 | 53.40 2.10 0.00 | 53.70 2.68 0.00 | 52.41 2.49 0.00 | 54.26 2.57 -0.20 | 45.98 2.03 0.00 | 43.99 1.74 0.00 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 65.51 -1.99 0.00 | 62.10 -2.43 0.00 | 53.16 -2.47 0.00 | 54.69 -2.49 0.00 | 51.13 -2.08 0.00 | 54.55 -2.51 0.00 | 76.49 -4.62 0.00 | 69.35 -2.46 -1.20 | 66.76 -2.63 -0.34 | 51.89 -1.84 -0.51 | 42.86 -1.76 0.00 | 36.76 -1.92 0.00 | 31.09 -1.61 0.00 | 36.57 -1.65 0.00 | 36.82 -2.19 0.00 | 41.45 -2.79 0.00 | 54.66 -3.48 0.00 | 67.65 -3.36 0.00 | 48.91 -2.38 0.00 | 47.95 -3.07 0.00 | 46.94 -2.98 0.00 | 48.30 -3.20 0.00 | 41.88 -2.06 0.00 | 40.85 -1.39 0.00 |
| BINGHAMTON___COGEN 23790 | 66.90 -0.60 0.00 | 63.86 -0.67 0.00 | 55.09 -0.53 0.00 | 56.72 -0.46 0.00 | 52.77 -0.44 0.00 | 56.59 -0.47 0.00 | 80.24 -0.87 0.00 | 82.02 -0.80 -12.21 | 77.35 -0.83 -9.13 | 57.66 -0.69 -5.12 | 44.18 -0.44 0.00 | 38.33 -0.35 0.00 | 32.47 -0.22 0.00 | 37.96 -0.26 0.00 | 38.66 -0.35 0.00 | 43.83 -0.40 0.00 | 57.46 -0.67 0.00 | 70.32 -0.68 0.00 | 50.97 -0.33 0.00 | 50.67 -0.36 0.00 | 49.56 -0.37 0.00 | 51.16 -0.34 0.00 | 43.72 -0.22 0.00 | 42.04 -0.20 0.00 |

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| BIXINCNT_115KV_LOAD 355685 | 66.87 -0.63 0.00 | 63.58 -0.95 0.00 | 54.51 -1.12 0.00 | 56.13 -1.04 0.00 | 52.48 -0.73 0.00 | 56.04 -1.02 0.00 | 78.92 -2.19 0.00 | 72.60 0.65 -1.34 | 69.79 0.37 -0.38 | 54.26 0.47 -0.57 | 44.54 -0.07 0.00 | 38.04 -0.64 0.00 | 32.11 -0.60 0.00 | 37.75 -0.47 0.00 | 38.02 -0.99 0.00 | 42.76 -1.48 0.00 | 56.50 -1.63 0.00 | 70.06 -0.95 0.00 | 50.55 -0.75 0.00 | 49.27 -1.76 0.00 | 48.23 -1.70 0.00 | 49.74 -1.75 0.00 | 43.01 -0.94 0.00 | 41.83 -0.41 0.00 |
| BLACK RIVER___HYD 24047 | 69.96 2.46 0.00 | 67.19 2.66 0.00 | 57.84 2.21 0.00 | 59.37 2.20 0.00 | 55.16 1.95 0.00 | 59.53 2.47 0.00 | 85.63 4.51 0.00 | 74.39 3.78 0.00 | 71.58 2.53 0.00 | 53.82 0.60 0.00 | 44.45 -0.16 0.00 | 38.31 -0.37 0.00 | 32.03 -0.67 0.00 | 37.34 -0.88 0.00 | 38.10 -0.91 0.00 | 43.48 -0.75 0.00 | 58.16 0.03 0.00 | 73.81 2.80 0.00 | 54.17 2.88 0.00 | 53.60 2.57 0.00 | 51.57 1.64 0.00 | 53.22 1.73 0.00 | 45.70 1.75 0.00 | 44.08 1.84 0.00 |
| BLACKRVR_115KV_TB2 79977 | 69.96 2.46 0.00 | 67.19 2.66 0.00 | 57.84 2.21 0.00 | 59.37 2.20 0.00 | 55.16 1.95 0.00 | 59.51 2.45 0.00 | 85.62 4.51 0.00 | 74.39 3.78 0.00 | 71.58 2.53 0.00 | 53.82 0.60 0.00 | 44.45 -0.17 0.00 | 38.31 -0.37 0.00 | 32.03 -0.67 0.00 | 37.34 -0.88 0.00 | 38.10 -0.91 0.00 | 43.48 -0.75 0.00 | 58.16 0.03 0.00 | 73.81 2.80 0.00 | 54.18 2.88 0.00 | 53.60 2.57 0.00 | 51.57 1.64 0.00 | 53.22 1.73 0.00 | 45.70 1.75 0.00 | 44.08 1.84 0.00 |
| BLDWN_LI_69_KV_BK4 356085 | 69.66 2.16 0.00 | 66.45 1.92 0.00 | 57.40 1.77 0.00 | 58.75 1.58 0.00 | 54.87 1.66 0.00 | 58.86 1.80 0.00 | 83.38 2.27 0.00 | 95.29 1.71 -22.97 | 87.65 1.44 -17.16 | 64.61 1.75 -9.64 | 46.41 1.80 0.00 | 40.44 1.75 0.00 | 34.75 2.05 0.00 | 40.73 2.51 0.00 | 41.73 2.72 0.00 | 47.38 3.14 0.00 | 61.78 3.65 0.00 | 74.48 3.47 0.00 | 53.53 2.23 0.00 | 53.93 2.91 0.00 | 52.59 2.67 0.00 | 54.22 2.73 0.00 | 46.10 2.16 0.00 | 44.07 1.83 0.00 |
| BLISS_WT_PWR 323608 | 45.21 -0.61 21.68 | 53.32 -0.92 10.29 | 54.55 -1.08 0.00 | 56.19 -0.99 0.00 | 49.49 -0.67 3.05 | 50.30 -0.94 5.82 | 64.85 -2.06 14.20 | 63.95 0.80 7.46 | 67.28 0.50 2.27 | 45.20 0.52 8.54 | 44.59 -0.02 0.00 | 38.13 -0.55 0.00 | 32.15 -0.55 0.00 | 37.79 -0.43 0.00 | 38.05 -0.96 0.00 | 42.80 -1.43 0.00 | 56.55 -1.58 0.00 | 69.79 -0.88 0.34 | 50.24 -0.69 0.37 | 49.32 -1.71 0.00 | 48.27 -1.66 0.00 | 49.78 -1.71 0.00 | 43.03 -0.92 0.00 | 41.86 -0.39 0.00 |
| BLUESTONE___WT_PWR 323821 | 72.94 1.77 -3.67 | 67.71 1.44 -1.74 | 57.21 1.58 0.00 | 59.07 1.89 0.00 | 55.59 1.87 -0.51 | 60.17 2.13 -0.98 | 86.69 3.13 -2.45 | 97.78 2.84 -24.33 | 88.91 2.59 -17.27 | 66.52 1.83 -11.47 | 46.11 1.50 0.00 | 39.80 1.12 0.00 | 33.52 0.82 0.00 | 39.15 0.93 0.00 | 39.95 0.94 0.00 | 45.47 1.23 0.00 | 60.13 2.00 0.00 | 74.11 3.02 -0.08 | 53.79 2.40 -0.09 | 53.20 2.18 0.00 | 51.74 1.81 0.00 | 53.49 1.99 0.00 | 45.58 1.63 0.00 | 43.59 1.34 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 69.20 1.70 0.00 | 66.27 1.74 0.00 | 57.11 1.48 0.00 | 58.75 1.57 0.00 | 54.64 1.43 0.00 | 58.59 1.53 0.00 | 83.28 2.17 0.00 | 202.22 1.69 -129.92 | 167.86 1.73 -97.09 | 108.94 1.21 -54.50 | 45.50 0.89 0.00 | 39.39 0.71 0.00 | 33.29 0.59 0.00 | 38.87 0.65 0.00 | 39.78 0.77 0.00 | 45.15 0.92 0.00 | 59.44 1.31 0.00 | 72.43 1.42 0.00 | 52.34 1.04 0.00 | 52.17 1.15 0.00 | 51.01 1.09 0.00 | 52.71 1.21 0.00 | 44.91 0.97 0.00 | 43.14 0.90 0.00 |
| BOC_GAS_DRP 24189 | 68.53 1.03 0.00 | 65.62 1.09 0.00 | 56.56 0.94 0.00 | 58.15 0.98 0.00 | 54.07 0.86 0.00 | 57.97 0.91 0.00 | 82.42 1.31 0.00 | 184.16 1.00 -112.55 | 154.27 1.12 -84.10 | 101.28 0.84 -47.22 | 45.29 0.68 0.00 | 39.32 0.64 0.00 | 33.30 0.60 0.00 | 38.93 0.71 0.00 | 39.83 0.82 0.00 | 45.15 0.91 0.00 | 59.15 1.02 0.00 | 71.87 0.86 0.00 | 51.93 0.63 0.00 | 51.76 0.74 0.00 | 50.61 0.68 0.00 | 52.29 0.80 0.00 | 44.55 0.61 0.00 | 42.78 0.53 0.00 |
| BOONVILLE_115KV_TB1 79983 | 69.56 2.06 0.00 | 66.57 2.04 0.00 | 57.34 1.71 0.00 | 58.93 1.75 0.00 | 54.76 1.55 0.00 | 58.94 1.88 0.00 | 84.22 3.10 0.00 | 73.32 2.72 0.00 | 71.35 2.30 0.00 | 54.47 1.26 0.00 | 45.43 0.81 0.00 | 39.25 0.56 0.00 | 33.00 0.29 0.00 | 38.44 0.21 0.00 | 39.24 0.23 0.00 | 44.63 0.40 0.00 | 59.13 1.00 0.00 | 73.27 2.26 0.00 | 53.25 1.95 0.00 | 52.85 1.82 0.00 | 51.38 1.45 0.00 | 52.99 1.50 0.00 | 45.30 1.36 0.00 | 43.60 1.36 0.00 |
| BORALEX_4TH_BRANCH 23824 | 70.20 2.70 0.00 | 67.34 2.81 0.00 | 57.95 2.32 0.00 | 59.66 2.48 0.00 | 55.57 2.36 0.00 | 59.47 2.41 0.00 | 84.47 3.36 0.00 | 342.52 2.74 -269.17 | 272.98 2.79 -201.14 | 168.14 2.00 -112.92 | 45.91 1.29 0.00 | 39.77 1.09 0.00 | 33.66 0.96 0.00 | 39.34 1.13 0.00 | 40.32 1.31 0.00 | 45.78 1.54 0.00 | 60.19 2.06 0.00 | 72.28 1.27 0.00 | 52.11 0.82 0.00 | 52.19 1.16 0.00 | 50.98 1.06 0.00 | 53.00 1.50 0.00 | 45.12 1.17 0.00 | 43.36 1.12 0.00 |
| BOWLINE___1 23526 | 68.03 0.53 0.00 | 65.09 0.56 0.00 | 56.22 0.59 0.00 | 57.63 0.45 0.00 | 53.65 0.44 0.00 | 57.57 0.51 0.00 | 82.07 0.95 0.00 | 93.76 0.84 -22.31 | 86.71 0.98 -16.67 | 63.54 0.96 -9.36 | 45.74 1.13 0.00 | 39.91 1.22 0.00 | 34.12 1.42 0.00 | 40.04 1.82 0.00 | 40.96 1.95 0.00 | 46.36 2.13 0.00 | 60.33 2.20 0.00 | 72.99 1.98 0.00 | 52.68 1.38 0.00 | 52.58 1.55 0.00 | 51.27 1.34 0.00 | 52.96 1.47 0.00 | 45.06 1.11 0.00 | 43.15 0.90 0.00 |
| BOWLINE___2 23595 | 68.03 0.53 0.00 | 65.09 0.56 0.00 | 56.22 0.59 0.00 | 57.63 0.45 0.00 | 53.65 0.44 0.00 | 57.56 0.51 0.00 | 82.06 0.95 0.00 | 93.77 0.85 -22.31 | 86.71 0.98 -16.67 | 63.52 0.94 -9.36 | 45.71 1.09 0.00 | 39.91 1.23 0.00 | 34.12 1.42 0.00 | 40.03 1.81 0.00 | 40.94 1.93 0.00 | 46.34 2.10 0.00 | 60.28 2.15 0.00 | 72.88 1.87 0.00 | 52.61 1.31 0.00 | 52.50 1.48 0.00 | 51.20 1.27 0.00 | 52.93 1.43 0.00 | 45.05 1.11 0.00 | 43.14 0.90 0.00 |
| BRADY___115KV_TB2 356060 | 70.22 2.72 0.00 | 67.19 2.65 0.00 | 57.96 2.33 0.00 | 59.50 2.32 0.00 | 55.40 2.19 0.00 | 59.45 2.40 0.00 | 84.54 3.43 0.00 | 73.39 2.78 0.00 | 70.78 1.73 0.00 | 54.50 1.28 0.00 | 45.76 1.15 0.00 | 39.65 0.97 0.00 | 33.33 0.62 0.00 | 39.00 0.78 0.00 | 39.69 0.68 0.00 | 45.04 0.80 0.00 | 59.31 1.18 0.00 | 73.10 2.09 0.00 | 53.02 1.72 0.00 | 52.54 1.51 0.00 | 51.58 1.65 0.00 | 53.02 1.53 0.00 | 45.42 1.47 0.00 | 43.85 1.61 0.00 |
| BRANSCOMB___SOLAR 323811 | 70.94 3.44 0.00 | 67.85 3.32 0.00 | 58.39 2.76 0.00 | 60.09 2.91 0.00 | 55.71 2.50 0.00 | 59.76 2.71 0.00 | 85.02 3.91 0.00 | 388.61 3.39 -314.61 | 307.38 3.22 -235.10 | 187.46 2.25 -131.99 | 46.16 1.55 0.00 | 39.79 1.11 0.00 | 33.49 0.79 0.00 | 38.97 0.75 0.00 | 39.93 0.92 0.00 | 45.48 1.24 0.00 | 60.41 2.28 0.00 | 73.82 2.81 0.00 | 53.28 1.98 0.00 | 53.18 2.15 0.00 | 51.97 2.04 0.00 | 53.66 2.16 0.00 | 45.62 1.67 0.00 | 43.75 1.51 0.00 |
| BRDGHMPT_69_KV_BK1 55812 | 69.99 2.48 0.00 | 66.13 1.60 0.00 | 57.35 1.72 0.00 | 58.72 1.54 0.00 | 55.21 2.01 0.00 | 59.55 2.49 0.00 | 85.42 4.31 0.00 | 97.00 3.42 -22.97 | 88.49 2.28 -17.16 | 65.71 2.86 -9.64 | 47.64 3.02 0.00 | 41.56 2.88 0.00 | 35.64 2.94 0.00 | 41.53 3.31 0.00 | 42.63 3.62 0.00 | 48.33 4.09 0.00 | 63.55 5.43 0.00 | 76.78 5.77 0.00 | 55.01 3.72 0.00 | 55.68 4.65 0.00 | 54.56 4.62 -0.01 | 58.07 4.86 -1.72 | 47.88 3.93 0.00 | 45.61 3.36 0.00 |

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| BRENTWOD_69_KV_W. BRTWOOD 56703 | 70.15 2.64 0.00 | 66.96 2.43 0.00 | 57.91 2.29 0.00 | 59.28 2.11 0.00 | 55.46 2.25 0.00 | 59.56 2.50 0.00 | 84.07 2.96 0.00 | 95.42 1.84 -22.97 | 87.55 1.33 -17.16 | 64.99 2.13 -9.64 | 47.16 2.54 0.00 | 41.10 2.42 0.00 | 35.20 2.50 0.00 | 41.15 2.93 0.00 | 42.22 3.21 0.00 | 47.88 3.65 0.00 | 62.55 4.42 0.00 | 75.16 4.16 0.00 | 53.75 2.46 0.00 | 54.45 3.42 0.00 | 53.24 3.31 -0.01 | 56.48 3.39 -1.60 | 46.68 2.74 0.00 | 44.64 2.40 0.00 |
| BRISTLHL_115KV_TB1 79998 | 64.89 -2.61 0.00 | 61.98 -2.55 0.00 | 53.39 -2.24 0.00 | 54.85 -2.32 0.00 | 51.11 -2.10 0.00 | 54.87 -2.19 0.00 | 78.03 -3.08 0.00 | 67.69 -2.92 0.00 | 66.18 -2.87 0.00 | 50.84 -2.38 0.00 | 42.55 -2.06 0.00 | 36.84 -1.84 0.00 | 31.09 -1.61 0.00 | 36.25 -1.97 0.00 | 36.96 -2.05 0.00 | 42.13 -2.11 0.00 | 55.69 -2.44 0.00 | 68.44 -2.57 0.00 | 49.57 -1.73 0.00 | 49.24 -1.78 0.00 | 48.11 -1.81 0.00 | 49.59 -1.91 0.00 | 42.31 -1.63 0.00 | 40.66 -1.59 0.00 |
| BROOKHAVEN__DRP 24191 | 69.94 2.44 0.00 | 66.24 1.71 0.00 | 57.41 1.79 0.00 | 58.76 1.58 0.00 | 55.20 1.99 0.00 | 59.37 2.31 0.00 | 84.35 3.23 0.00 | 95.74 2.16 -22.97 | 87.30 1.08 -17.16 | 64.73 1.87 -9.64 | 46.80 2.18 0.00 | 40.83 2.15 0.00 | 35.04 2.34 0.00 | 40.83 2.61 0.00 | 41.97 2.96 0.00 | 47.53 3.29 0.00 | 62.31 4.18 0.00 | 75.20 4.19 0.00 | 53.82 2.52 0.00 | 54.38 3.35 0.00 | 53.28 3.34 -0.01 | 56.78 3.55 -1.74 | 46.79 2.85 0.00 | 44.60 2.36 0.00 |
| BROOKLYN_NAVY_YARD 23515 | 68.81 1.31 0.00 | 65.80 1.27 0.00 | 56.84 1.21 0.00 | 58.16 0.99 0.00 | 54.16 0.95 0.00 | 58.21 1.15 0.00 | 83.12 2.01 0.00 | 95.37 1.80 -22.97 | 88.08 1.87 -17.16 | 64.53 1.67 -9.64 | 46.28 1.67 0.00 | 40.34 1.66 0.00 | 34.53 1.83 0.00 | 40.55 2.33 0.00 | 41.49 2.48 0.00 | 47.01 2.77 0.00 | 61.13 3.00 0.00 | 73.95 2.94 0.00 | 53.33 2.03 0.00 | 53.23 2.21 0.00 | 51.89 1.97 0.00 | 53.56 2.07 0.00 | 45.54 1.59 0.00 | 43.51 1.27 0.00 |
| BROOKLYN__ARMY_DRP 323595 | 69.19 1.69 0.00 | 66.22 1.68 0.00 | 57.18 1.55 0.00 | 58.47 1.30 0.00 | 54.47 1.26 0.00 | 58.57 1.51 0.00 | 83.60 2.49 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.86 -9.64 | 46.51 1.89 0.00 | 40.53 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.35 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.11 2.19 0.00 | 53.83 2.34 0.00 | 45.78 1.83 0.00 | 43.78 1.54 0.00 |
| BROOME_2_LFGE 323671 | 73.39 -0.59 -6.48 | 66.93 -0.67 -3.07 | 55.09 -0.53 0.00 | 56.72 -0.46 0.00 | 53.69 -0.43 -0.91 | 58.33 -0.47 -1.74 | 84.56 -0.88 -4.33 | 85.68 -0.80 -15.88 | 78.45 -0.83 -10.23 | 61.45 -0.69 -8.92 | 44.18 -0.44 0.00 | 38.34 -0.34 0.00 | 32.47 -0.22 0.00 | 37.96 -0.26 0.00 | 38.66 -0.35 0.00 | 43.84 -0.40 0.00 | 57.46 -0.67 0.00 | 70.47 -0.69 -0.15 | 51.13 -0.33 -0.16 | 50.67 -0.36 0.00 | 49.56 -0.37 0.00 | 51.16 -0.33 0.00 | 43.72 -0.22 0.00 | 42.05 -0.20 0.00 |
| BROOME__LFGE 323600 | 73.39 -0.59 -6.48 | 66.93 -0.67 -3.07 | 55.09 -0.53 0.00 | 56.72 -0.46 0.00 | 53.69 -0.43 -0.91 | 58.33 -0.47 -1.74 | 84.56 -0.88 -4.33 | 85.68 -0.80 -15.88 | 78.45 -0.83 -10.23 | 61.45 -0.69 -8.92 | 44.18 -0.44 0.00 | 38.34 -0.34 0.00 | 32.47 -0.22 0.00 | 37.96 -0.26 0.00 | 38.66 -0.35 0.00 | 43.84 -0.40 0.00 | 57.46 -0.67 0.00 | 70.47 -0.69 -0.15 | 51.13 -0.33 -0.16 | 50.67 -0.36 0.00 | 49.56 -0.37 0.00 | 51.16 -0.33 0.00 | 43.72 -0.22 0.00 | 42.05 -0.20 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 69.76 2.26 0.00 | 66.85 2.32 0.00 | 57.61 1.98 0.00 | 59.15 1.98 0.00 | 55.01 1.80 0.00 | 59.13 2.07 0.00 | 84.47 3.36 0.00 | 73.43 2.82 0.00 | 71.01 1.96 0.00 | 54.15 0.92 0.00 | 45.18 0.57 0.00 | 39.06 0.38 0.00 | 32.76 0.06 0.00 | 38.26 0.04 0.00 | 38.96 -0.05 0.00 | 44.32 0.08 0.00 | 58.65 0.52 0.00 | 72.79 1.78 0.00 | 52.91 1.61 0.00 | 52.38 1.36 0.00 | 50.94 1.02 0.00 | 52.51 1.02 0.00 | 45.10 1.16 0.00 | 43.64 1.40 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 69.73 2.23 0.00 | 66.67 2.14 0.00 | 57.57 1.94 0.00 | 58.91 1.73 0.00 | 54.85 1.65 0.00 | 58.97 1.92 0.00 | 84.21 3.09 0.00 | 96.35 2.77 -22.97 | 89.03 2.82 -17.16 | 65.24 2.38 -9.64 | 46.90 2.28 0.00 | 40.86 2.18 0.00 | 34.96 2.26 0.00 | 41.05 2.83 0.00 | 42.00 2.99 0.00 | 47.58 3.34 0.00 | 61.88 3.75 0.00 | 74.90 3.88 0.00 | 54.04 2.74 0.00 | 53.93 2.91 0.00 | 52.57 2.65 0.00 | 54.27 2.78 0.00 | 46.12 2.18 0.00 | 44.09 1.84 0.00 |
| BURROWS__LYONSDAL 23803 | 69.64 2.14 0.00 | 66.66 2.13 0.00 | 57.44 1.81 0.00 | 59.00 1.83 0.00 | 54.82 1.61 0.00 | 59.00 1.94 0.00 | 84.42 3.31 0.00 | 73.48 2.87 0.00 | 71.39 2.34 0.00 | 54.39 1.17 0.00 | 45.30 0.69 0.00 | 39.13 0.45 0.00 | 32.87 0.17 0.00 | 38.31 0.10 0.00 | 39.10 0.09 0.00 | 44.50 0.26 0.00 | 58.99 0.87 0.00 | 73.30 2.29 0.00 | 53.32 2.02 0.00 | 52.89 1.86 0.00 | 51.32 1.39 0.00 | 52.95 1.45 0.00 | 45.32 1.38 0.00 | 43.66 1.42 0.00 |
| CAITHNESS_CC_1 323624 | 69.79 2.29 0.00 | 66.16 1.64 0.00 | 57.35 1.72 0.00 | 58.68 1.50 0.00 | 55.09 1.88 0.00 | 59.22 2.16 0.00 | 84.10 2.99 0.00 | 95.54 1.96 -22.97 | 87.24 1.02 -17.16 | 64.69 1.83 -9.64 | 46.73 2.11 0.00 | 40.76 2.08 0.00 | 34.98 2.28 0.00 | 40.78 2.56 0.00 | 41.90 2.89 0.00 | 47.45 3.22 0.00 | 62.18 4.05 0.00 | 75.00 3.99 0.00 | 53.70 2.40 0.00 | 54.22 3.20 0.00 | 53.13 3.19 -0.01 | 56.61 3.36 -1.75 | 46.66 2.71 0.00 | 44.48 2.24 0.00 |
| CALPINE BETH_PAGE_GT4 24209 | 69.56 2.06 0.00 | 66.34 1.81 0.00 | 57.30 1.67 0.00 | 58.67 1.49 0.00 | 54.80 1.59 0.00 | 58.76 1.70 0.00 | 83.47 2.35 0.00 | 95.36 1.78 -22.97 | 87.71 1.49 -17.16 | 64.68 1.83 -9.64 | 46.55 1.94 0.00 | 40.57 1.88 0.00 | 34.77 2.07 0.00 | 40.72 2.50 0.00 | 41.70 2.70 0.00 | 47.26 3.03 0.00 | 61.65 3.52 0.00 | 74.44 3.43 0.00 | 53.28 1.99 0.00 | 53.59 2.57 0.00 | 52.36 2.43 0.00 | 54.01 2.52 0.00 | 45.93 1.99 0.00 | 43.96 1.72 0.00 |
| CALPINE_BETH_PAGE_GT_4 323586 | 69.57 2.06 0.00 | 66.34 1.80 0.00 | 57.30 1.67 0.00 | 58.67 1.49 0.00 | 54.79 1.58 0.00 | 58.76 1.71 0.00 | 83.47 2.35 0.00 | 95.34 1.76 -22.97 | 87.71 1.49 -17.16 | 64.69 1.84 -9.64 | 46.56 1.94 0.00 | 40.57 1.88 0.00 | 34.77 2.07 0.00 | 40.72 2.50 0.00 | 41.71 2.70 0.00 | 47.27 3.03 0.00 | 61.66 3.53 0.00 | 74.44 3.43 0.00 | 53.28 1.99 0.00 | 53.59 2.57 0.00 | 52.35 2.43 0.00 | 54.01 2.52 0.00 | 45.94 2.00 0.00 | 43.97 1.72 0.00 |
| CALPINE_BP_GT1 23823 | 69.57 2.06 0.00 | 66.34 1.80 0.00 | 57.30 1.67 0.00 | 58.67 1.49 0.00 | 54.79 1.58 0.00 | 58.76 1.71 0.00 | 83.47 2.35 0.00 | 95.34 1.76 -22.97 | 87.71 1.49 -17.16 | 64.69 1.84 -9.64 | 46.56 1.94 0.00 | 40.57 1.88 0.00 | 34.77 2.07 0.00 | 40.72 2.50 0.00 | 41.71 2.70 0.00 | 47.27 3.03 0.00 | 61.66 3.53 0.00 | 74.44 3.43 0.00 | 53.28 1.99 0.00 | 53.59 2.57 0.00 | 52.35 2.43 0.00 | 54.01 2.52 0.00 | 45.94 2.00 0.00 | 43.97 1.72 0.00 |
| CALSPAN__DRP 24200 | 65.10 -2.40 0.00 | 61.68 -2.85 0.00 | 52.81 -2.82 0.00 | 54.33 -2.84 0.00 | 50.79 -2.42 0.00 | 54.15 -2.91 0.00 | 75.89 -5.23 0.00 | 68.57 -3.14 -1.11 | 66.07 -3.29 -0.31 | 51.34 -2.35 -0.47 | 42.48 -2.14 0.00 | 36.45 -2.23 0.00 | 30.84 -1.86 0.00 | 36.27 -1.95 0.00 | 36.51 -2.49 0.00 | 41.12 -3.12 0.00 | 54.18 -3.95 0.00 | 67.02 -3.99 0.00 | 48.51 -2.79 0.00 | 47.60 -3.43 0.00 | 46.59 -3.34 0.00 | 47.93 -3.57 0.00 | 41.59 -2.36 0.00 | 40.58 -1.66 0.00 |

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| CALVERTON___SOLAR 323806 | 70.06 2.56 0.00 | 66.29 1.76 0.00 | 57.49 1.86 0.00 | 58.84 1.66 0.00 | 55.30 2.09 0.00 | 59.48 2.42 0.00 | 84.58 3.47 0.00 | 95.91 2.33 -22.97 | 87.40 1.18 -17.16 | 64.85 1.99 -9.64 | 46.90 2.28 0.00 | 40.91 2.22 0.00 | 35.12 2.42 0.00 | 40.90 2.68 0.00 | 42.06 3.05 0.00 | 47.62 3.38 0.00 | 62.50 4.37 0.00 | 75.43 4.42 0.00 | 53.98 2.68 0.00 | 54.58 3.55 0.00 | 53.49 3.55 -0.01 | 56.99 3.77 -1.73 | 46.98 3.04 0.00 | 44.74 2.50 0.00 |
| CANDIGU_WT_PWR 323617 | 69.66 -2.75 -4.91 | 64.41 -2.45 -2.33 | 53.47 -2.16 0.00 | 55.22 -1.95 0.00 | 52.23 -1.67 -0.69 | 56.46 -1.92 -1.32 | 80.96 -3.48 -3.33 | 79.39 -2.50 -11.28 | 73.22 -2.68 -6.86 | 57.88 -2.08 -6.74 | 42.93 -1.68 0.00 | 37.04 -1.65 0.00 | 31.32 -1.38 0.00 | 36.70 -1.52 0.00 | 37.17 -1.84 0.00 | 41.92 -2.32 0.00 | 55.07 -3.07 0.00 | 67.97 -3.18 -0.13 | 49.31 -2.13 -0.14 | 48.48 -2.54 0.00 | 47.38 -2.54 0.00 | 49.07 -2.43 0.00 | 42.36 -1.59 0.00 | 41.22 -1.03 0.00 |
| CARR STREET_E__SYR 24060 | 65.96 -1.54 0.00 | 62.96 -1.57 0.00 | 54.25 -1.38 0.00 | 55.79 -1.39 0.00 | 51.93 -1.28 0.00 | 55.74 -1.32 0.00 | 79.22 -1.89 0.00 | 68.67 -1.94 0.00 | 67.14 -1.91 0.00 | 51.63 -1.59 0.00 | 43.26 -1.35 0.00 | 37.46 -1.22 0.00 | 31.63 -1.08 0.00 | 36.91 -1.31 0.00 | 37.62 -1.39 0.00 | 42.93 -1.31 0.00 | 56.70 -1.43 0.00 | 69.53 -1.48 0.00 | 50.31 -0.98 0.00 | 49.99 -1.04 0.00 | 48.86 -1.07 0.00 | 50.37 -1.13 0.00 | 42.99 -0.96 0.00 | 41.33 -0.91 0.00 |
| CARTHAGE___PAPER 23857 | 70.45 2.95 0.00 | 67.59 3.06 0.00 | 58.21 2.58 0.00 | 59.76 2.58 0.00 | 55.51 2.30 0.00 | 59.85 2.79 0.00 | 85.96 4.85 0.00 | 74.71 4.10 0.00 | 72.03 2.98 0.00 | 54.29 1.08 0.00 | 44.90 0.29 0.00 | 38.71 0.03 0.00 | 32.39 -0.31 0.00 | 37.79 -0.43 0.00 | 38.51 -0.51 0.00 | 43.96 -0.28 0.00 | 58.68 0.55 0.00 | 74.05 3.04 0.00 | 54.25 2.95 0.00 | 53.69 2.67 0.00 | 51.80 1.87 0.00 | 53.45 1.96 0.00 | 45.88 1.94 0.00 | 44.29 2.05 0.00 |
| CASSADAGA_WT_PWR 323784 | 46.23 -0.58 20.69 | 53.70 -1.01 9.82 | 54.57 -1.06 0.00 | 56.21 -0.96 0.00 | 49.57 -0.73 2.91 | 50.53 -0.97 5.55 | 65.18 -2.27 13.67 | 62.23 0.27 8.65 | 66.74 0.27 2.58 | 44.02 0.26 9.46 | 44.61 -0.01 0.00 | 38.35 -0.33 0.00 | 32.46 -0.25 0.00 | 38.20 -0.02 0.00 | 38.48 -0.53 0.00 | 42.93 -1.31 0.00 | 56.33 -1.80 0.00 | 69.28 -1.35 0.38 | 50.09 -0.80 0.41 | 49.45 -1.58 0.00 | 48.43 -1.50 0.00 | 49.82 -1.67 0.00 | 43.02 -0.92 0.00 | 41.76 -0.48 0.00 |
| CE_DUNWOOD___DRP 24194 | 68.80 1.30 0.00 | 65.82 1.29 0.00 | 56.84 1.21 0.00 | 58.24 1.07 0.00 | 54.23 1.02 0.00 | 58.23 1.17 0.00 | 83.01 1.89 0.00 | 95.21 1.66 -22.94 | 87.93 1.73 -17.14 | 64.39 1.54 -9.62 | 46.15 1.54 0.00 | 40.21 1.53 0.00 | 34.37 1.66 0.00 | 40.34 2.12 0.00 | 41.28 2.27 0.00 | 46.74 2.50 0.00 | 60.85 2.72 0.00 | 73.65 2.64 0.00 | 53.12 1.83 0.00 | 53.06 2.03 0.00 | 51.73 1.80 0.00 | 53.43 1.93 0.00 | 45.44 1.49 0.00 | 43.48 1.23 0.00 |
| CE_MILLWOOD___DRP 24193 | 68.65 1.15 0.00 | 65.67 1.14 0.00 | 56.71 1.08 0.00 | 58.11 0.94 0.00 | 54.10 0.89 0.00 | 58.09 1.03 0.00 | 82.82 1.70 0.00 | 94.91 1.51 -22.79 | 87.65 1.57 -17.03 | 64.19 1.41 -9.56 | 46.03 1.42 0.00 | 40.11 1.43 0.00 | 34.28 1.58 0.00 | 40.23 2.01 0.00 | 41.16 2.16 0.00 | 46.60 2.37 0.00 | 60.68 2.55 0.00 | 73.44 2.43 0.00 | 53.01 1.71 0.00 | 52.93 1.90 0.00 | 51.60 1.68 0.00 | 53.30 1.81 0.00 | 45.31 1.37 0.00 | 43.37 1.12 0.00 |
| CE_NYC2_DRP 24202 | 69.26 1.75 0.00 | 66.24 1.71 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.61 1.55 0.00 | 83.67 2.56 0.00 | 95.86 2.29 -22.97 | 88.53 2.32 -17.16 | 64.86 2.00 -9.64 | 46.58 1.96 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.77 2.55 0.00 | 41.75 2.74 0.00 | 47.29 3.06 0.00 | 61.45 3.32 0.00 | 74.26 3.25 0.00 | 53.60 2.30 0.00 | 53.54 2.51 0.00 | 52.20 2.27 0.00 | 53.91 2.41 0.00 | 45.82 1.87 0.00 | 43.80 1.56 0.00 |
| CE_NYC_DRP 24195 | 69.05 1.55 0.00 | 66.01 1.48 0.00 | 57.03 1.41 0.00 | 58.37 1.19 0.00 | 54.37 1.16 0.00 | 58.43 1.37 0.00 | 83.39 2.28 0.00 | 95.60 2.03 -22.97 | 88.33 2.11 -17.16 | 64.72 1.87 -9.64 | 46.45 1.84 0.00 | 40.51 1.82 0.00 | 34.65 1.95 0.00 | 40.69 2.47 0.00 | 41.62 2.61 0.00 | 47.14 2.91 0.00 | 61.30 3.17 0.00 | 74.15 3.14 0.00 | 53.49 2.19 0.00 | 53.39 2.36 0.00 | 52.04 2.11 0.00 | 53.71 2.22 0.00 | 45.67 1.72 0.00 | 43.66 1.41 0.00 |
| CHAFFEE___LFGE 323603 | 45.68 -2.26 19.56 | 52.55 -2.70 9.28 | 52.94 -2.68 0.00 | 54.46 -2.71 0.00 | 48.17 -2.28 2.75 | 49.09 -2.72 5.25 | 63.34 -4.90 12.88 | 60.55 -2.55 7.51 | 64.03 -2.72 2.29 | 42.74 -1.94 8.53 | 42.74 -1.87 0.00 | 36.69 -2.00 0.00 | 31.00 -1.71 0.00 | 36.44 -1.78 0.00 | 36.70 -2.31 0.00 | 41.31 -2.92 0.00 | 54.47 -3.66 0.00 | 67.14 -3.53 0.34 | 48.42 -2.51 0.37 | 47.79 -3.23 0.00 | 46.77 -3.16 0.00 | 48.12 -3.38 0.00 | 41.71 -2.24 0.00 | 40.68 -1.56 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 71.18 3.68 0.00 | 67.88 3.35 0.00 | 58.51 2.88 0.00 | 60.19 3.01 0.00 | 56.06 2.85 0.00 | 60.01 2.95 0.00 | 85.19 4.08 0.00 | 73.92 3.31 0.00 | 71.49 2.44 0.00 | 54.93 1.71 0.00 | 46.14 1.53 0.00 | 40.19 1.51 0.00 | 33.60 0.90 0.00 | 38.77 0.55 0.00 | 39.25 0.24 0.00 | 44.64 0.41 0.00 | 59.07 0.94 0.00 | 72.53 1.52 0.00 | 52.30 1.00 0.00 | 52.15 1.13 0.00 | 50.97 1.04 0.00 | 52.46 0.97 0.00 | 44.73 0.79 0.00 | 43.01 0.77 0.00 |
| CHATEAUG_WT_PWR 323614 | 69.08 1.58 0.00 | 65.92 1.39 0.00 | 56.87 1.24 0.00 | 58.45 1.28 0.00 | 54.37 1.16 0.00 | 58.08 1.03 0.00 | 82.41 1.29 0.00 | 71.52 0.91 0.00 | 69.78 0.73 0.00 | 54.07 0.86 0.00 | 45.50 0.89 0.00 | 39.38 0.70 0.00 | 32.96 0.26 0.00 | 38.52 0.30 0.00 | 39.21 0.20 0.00 | 44.60 0.37 0.00 | 59.00 0.87 0.00 | 72.43 1.42 0.00 | 52.22 0.92 0.00 | 51.88 0.85 0.00 | 50.91 0.98 0.00 | 52.31 0.82 0.00 | 44.59 0.64 0.00 | 42.89 0.65 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 71.18 3.68 0.00 | 67.88 3.35 0.00 | 58.51 2.88 0.00 | 60.19 3.01 0.00 | 56.06 2.85 0.00 | 60.01 2.95 0.00 | 85.19 4.08 0.00 | 73.92 3.31 0.00 | 71.49 2.44 0.00 | 54.93 1.71 0.00 | 46.14 1.53 0.00 | 40.19 1.51 0.00 | 33.60 0.90 0.00 | 38.77 0.55 0.00 | 39.25 0.24 0.00 | 44.64 0.41 0.00 | 59.07 0.94 0.00 | 72.53 1.52 0.00 | 52.30 1.00 0.00 | 52.15 1.13 0.00 | 50.97 1.04 0.00 | 52.46 0.97 0.00 | 44.73 0.79 0.00 | 43.01 0.77 0.00 |
| CHAUTAUQUA___LFGE 323629 | 46.18 -1.89 19.44 | 53.04 -2.27 9.22 | 53.52 -2.11 0.00 | 55.14 -2.04 0.00 | 48.71 -1.76 2.73 | 49.72 -2.13 5.22 | 64.09 -4.10 12.91 | 59.83 -1.77 9.01 | 64.77 -1.61 2.67 | 42.32 -1.18 9.73 | 43.57 -1.04 0.00 | 37.58 -1.10 0.00 | 31.84 -0.86 0.00 | 37.50 -0.72 0.00 | 37.78 -1.23 0.00 | 42.12 -2.11 0.00 | 55.09 -3.04 0.00 | 67.58 -3.04 0.39 | 48.91 -1.97 0.42 | 48.43 -2.60 0.00 | 47.46 -2.47 0.00 | 48.87 -2.62 0.00 | 42.25 -1.70 0.00 | 41.06 -1.18 0.00 |
| CHERRYST_13_KV_LD 356241 | 69.20 1.70 0.00 | 66.18 1.65 0.00 | 57.18 1.56 0.00 | 58.53 1.35 0.00 | 54.52 1.31 0.00 | 58.60 1.54 0.00 | 83.63 2.52 0.00 | 95.82 2.25 -22.97 | 88.57 2.36 -17.16 | 64.90 2.04 -9.64 | 46.62 2.00 0.00 | 40.64 1.96 0.00 | 34.77 2.07 0.00 | 40.82 2.60 0.00 | 41.77 2.76 0.00 | 47.31 3.07 0.00 | 61.51 3.38 0.00 | 74.40 3.39 0.00 | 53.65 2.35 0.00 | 53.55 2.52 0.00 | 52.17 2.24 0.00 | 53.85 2.36 0.00 | 45.78 1.83 0.00 | 43.76 1.52 0.00 |

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| CHESTROR_138KV_BK263 355645 | 68.24 0.74 0.00 | 65.29 0.75 0.00 | 56.37 0.74 0.00 | 57.82 0.64 0.00 | 53.81 0.60 0.00 | 57.75 0.70 0.00 | 82.27 1.16 0.00 | 93.12 1.05 -21.46 | 86.23 1.14 -16.04 | 63.22 1.00 -9.00 | 45.60 0.98 0.00 | 39.71 1.03 0.00 | 33.89 1.19 0.00 | 39.70 1.47 0.00 | 40.60 1.59 0.00 | 45.97 1.73 0.00 | 59.96 1.83 0.00 | 72.76 1.75 0.00 | 52.57 1.28 0.00 | 52.45 1.43 0.00 | 51.17 1.24 0.00 | 52.83 1.34 0.00 | 44.93 0.99 0.00 | 43.04 0.80 0.00 |
| CH_MIDHUDSON__DRP 24192 | 68.96 1.46 0.00 | 66.00 1.47 0.00 | 56.97 1.35 0.00 | 58.45 1.27 0.00 | 54.40 1.19 0.00 | 58.39 1.33 0.00 | 83.18 2.07 0.00 | 96.94 1.82 -24.52 | 89.29 1.91 -18.32 | 65.08 1.58 -10.29 | 46.00 1.38 0.00 | 40.01 1.32 0.00 | 34.11 1.41 0.00 | 39.97 1.76 0.00 | 40.94 1.93 0.00 | 46.36 2.12 0.00 | 60.51 2.38 0.00 | 73.41 2.39 0.00 | 53.02 1.73 0.00 | 52.95 1.92 0.00 | 51.64 1.72 0.00 | 53.32 1.83 0.00 | 45.32 1.38 0.00 | 43.38 1.14 0.00 |
| CH_MISC_IPPS 23765 | 69.27 1.77 0.00 | 66.26 1.73 0.00 | 57.21 1.58 0.00 | 58.69 1.51 0.00 | 54.62 1.41 0.00 | 58.66 1.60 0.00 | 83.58 2.47 0.00 | 97.01 2.19 -24.22 | 89.44 2.29 -18.10 | 65.23 1.85 -10.16 | 46.25 1.64 0.00 | 40.23 1.54 0.00 | 34.29 1.58 0.00 | 40.15 1.93 0.00 | 41.10 2.09 0.00 | 46.57 2.33 0.00 | 60.83 2.70 0.00 | 73.85 2.84 0.00 | 53.36 2.06 0.00 | 53.27 2.24 0.00 | 51.96 2.04 0.00 | 53.63 2.14 0.00 | 45.59 1.65 0.00 | 43.63 1.38 0.00 |
| CH_RES_BVR_FALLS 23983 | 67.74 0.24 0.00 | 64.75 0.22 0.00 | 55.81 0.18 0.00 | 57.35 0.17 0.00 | 53.39 0.18 0.00 | 57.23 0.17 0.00 | 81.34 0.23 0.00 | 70.82 0.21 0.00 | 69.21 0.16 0.00 | 53.38 0.16 0.00 | 44.77 0.16 0.00 | 38.80 0.11 0.00 | 32.75 0.05 0.00 | 38.28 0.06 0.00 | 39.05 0.04 0.00 | 44.26 0.02 0.00 | 58.22 0.09 0.00 | 71.20 0.19 0.00 | 51.41 0.11 0.00 | 51.11 0.09 0.00 | 50.05 0.12 0.00 | 51.58 0.09 0.00 | 44.04 0.09 0.00 | 42.34 0.10 0.00 |
| CH_RES_NIAGARA 23895 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| CH_RES_SYRACUSE 23985 | 66.33 -1.17 0.00 | 63.34 -1.19 0.00 | 54.57 -1.06 0.00 | 56.13 -1.05 0.00 | 52.18 -1.03 0.00 | 56.02 -1.04 0.00 | 79.64 -1.47 0.00 | 69.08 -1.53 0.00 | 67.49 -1.56 0.00 | 51.87 -1.35 0.00 | 43.46 -1.15 0.00 | 37.63 -1.05 0.00 | 31.75 -0.96 0.00 | 37.04 -1.18 0.00 | 37.75 -1.26 0.00 | 43.05 -1.19 0.00 | 56.90 -1.23 0.00 | 69.86 -1.15 0.00 | 50.59 -0.71 0.00 | 50.30 -0.73 0.00 | 49.11 -0.82 0.00 | 50.64 -0.85 0.00 | 43.23 -0.71 0.00 | 41.57 -0.67 0.00 |
| CLINTON_WT_PWR 323605 | 69.08 1.58 0.00 | 65.92 1.39 0.00 | 56.87 1.24 0.00 | 58.45 1.28 0.00 | 54.37 1.16 0.00 | 58.08 1.03 0.00 | 82.41 1.29 0.00 | 71.52 0.91 0.00 | 69.78 0.73 0.00 | 54.07 0.86 0.00 | 45.50 0.89 0.00 | 39.38 0.70 0.00 | 32.96 0.26 0.00 | 38.52 0.30 0.00 | 39.21 0.20 0.00 | 44.60 0.37 0.00 | 59.00 0.87 0.00 | 72.43 1.42 0.00 | 52.22 0.92 0.00 | 51.88 0.85 0.00 | 50.91 0.98 0.00 | 52.31 0.82 0.00 | 44.59 0.64 0.00 | 42.89 0.65 0.00 |
| CLINTON__LFGE 323618 | 70.64 3.14 0.00 | 67.41 2.88 0.00 | 58.10 2.47 0.00 | 59.77 2.60 0.00 | 55.67 2.46 0.00 | 59.56 2.50 0.00 | 84.48 3.37 0.00 | 73.32 2.71 0.00 | 71.35 2.30 0.00 | 54.90 1.68 0.00 | 46.11 1.50 0.00 | 40.06 1.37 0.00 | 33.51 0.81 0.00 | 39.16 0.93 0.00 | 39.89 0.88 0.00 | 45.38 1.14 0.00 | 60.17 2.03 0.00 | 74.03 3.02 0.00 | 53.59 2.29 0.00 | 53.19 2.17 0.00 | 51.97 2.04 0.00 | 53.30 1.81 0.00 | 45.41 1.46 0.00 | 43.57 1.33 0.00 |
| COBBLENY_34_KV_TB1 80064 | 65.22 -2.29 0.00 | 61.82 -2.71 0.00 | 52.94 -2.69 0.00 | 54.47 -2.71 0.00 | 50.90 -2.31 0.00 | 54.31 -2.75 0.00 | 76.20 -4.92 0.00 | 69.24 -2.58 -1.21 | 66.65 -2.74 -0.34 | 51.81 -1.92 -0.51 | 42.76 -1.86 0.00 | 36.65 -2.03 0.00 | 30.99 -1.71 0.00 | 36.45 -1.77 0.00 | 36.70 -2.31 0.00 | 41.32 -2.92 0.00 | 54.48 -3.65 0.00 | 67.47 -3.54 0.00 | 48.79 -2.51 0.00 | 47.79 -3.24 0.00 | 46.77 -3.16 0.00 | 48.12 -3.37 0.00 | 41.73 -2.22 0.00 | 40.68 -1.56 0.00 |
| COFFEEN__115KV_TB3 355620 | 70.12 2.62 0.00 | 67.32 2.79 0.00 | 57.95 2.32 0.00 | 59.49 2.31 0.00 | 55.26 2.06 0.00 | 59.65 2.59 0.00 | 85.84 4.73 0.00 | 74.58 3.97 0.00 | 71.76 2.71 0.00 | 53.91 0.69 0.00 | 44.45 -0.17 0.00 | 38.30 -0.38 0.00 | 31.99 -0.71 0.00 | 37.29 -0.93 0.00 | 38.05 -0.96 0.00 | 43.43 -0.81 0.00 | 58.17 0.04 0.00 | 74.01 3.00 0.00 | 54.38 3.08 0.00 | 53.81 2.79 0.00 | 51.80 1.87 0.00 | 53.43 1.93 0.00 | 45.83 1.89 0.00 | 44.19 1.95 0.00 |
| COLDSPRG_115KV_BK1 355956 | 67.95 0.45 0.00 | 64.53 0.00 0.00 | 55.36 -0.27 0.00 | 57.02 -0.15 0.00 | 53.26 0.05 0.00 | 56.94 -0.12 0.00 | 80.29 -0.82 0.00 | 74.07 2.19 -1.27 | 71.44 2.03 -0.37 | 55.43 1.66 -0.55 | 45.56 0.95 0.00 | 38.96 0.27 0.00 | 32.92 0.22 0.00 | 38.72 0.51 0.00 | 39.00 -0.01 0.00 | 43.64 -0.59 0.00 | 57.54 -0.59 0.00 | 71.30 0.29 0.00 | 51.53 0.24 0.00 | 50.22 -0.80 0.00 | 49.17 -0.76 0.00 | 50.65 -0.84 0.00 | 43.71 -0.23 0.00 | 42.40 0.16 0.00 |
| COLONIE_LFGE__ 323577 | 69.69 2.19 0.00 | 66.76 2.23 0.00 | 57.47 1.84 0.00 | 59.10 1.93 0.00 | 54.97 1.76 0.00 | 58.93 1.87 0.00 | 83.76 2.65 0.00 | 356.72 2.30 -283.82 | 283.47 2.33 -212.09 | 173.95 1.66 -119.07 | 45.77 1.15 0.00 | 39.60 0.92 0.00 | 33.43 0.73 0.00 | 39.03 0.81 0.00 | 39.97 0.96 0.00 | 45.40 1.17 0.00 | 59.86 1.73 0.00 | 72.63 1.63 0.00 | 52.45 1.15 0.00 | 52.37 1.34 0.00 | 51.17 1.25 0.00 | 52.93 1.43 0.00 | 45.05 1.10 0.00 | 43.26 1.02 0.00 |
| COOPERNY_115KV_TB1 80082 | 68.06 0.56 0.00 | 65.10 0.57 0.00 | 56.19 0.56 0.00 | 57.69 0.51 0.00 | 53.69 0.48 0.00 | 57.60 0.54 0.00 | 82.05 0.94 0.00 | 89.87 0.81 -18.44 | 83.70 0.87 -13.78 | 61.70 0.75 -7.74 | 45.38 0.77 0.00 | 39.50 0.82 0.00 | 33.62 0.92 0.00 | 39.36 1.14 0.00 | 40.23 1.22 0.00 | 45.58 1.34 0.00 | 59.55 1.42 0.00 | 72.34 1.34 0.00 | 52.26 0.96 0.00 | 52.11 1.08 0.00 | 50.86 0.93 0.00 | 52.51 1.02 0.00 | 44.70 0.75 0.00 | 42.84 0.60 0.00 |
| COPENHAGEN_WT_PWR 323753 | 69.51 2.01 0.00 | 66.80 2.27 0.00 | 57.52 1.89 0.00 | 59.02 1.85 0.00 | 54.83 1.62 0.00 | 59.12 2.06 0.00 | 85.10 3.99 0.00 | 73.96 3.35 0.00 | 71.22 2.17 0.00 | 53.62 0.40 0.00 | 44.31 -0.30 0.00 | 38.20 -0.48 0.00 | 31.94 -0.76 0.00 | 37.24 -0.98 0.00 | 37.99 -1.02 0.00 | 43.37 -0.87 0.00 | 57.96 -0.17 0.00 | 73.43 2.42 0.00 | 53.86 2.56 0.00 | 53.22 2.19 0.00 | 51.08 1.15 0.00 | 52.76 1.27 0.00 | 45.38 1.44 0.00 | 43.83 1.59 0.00 |
| CORNELL____ 23752 | 67.94 0.44 0.00 | 64.79 0.26 0.00 | 55.86 0.23 0.00 | 57.50 0.32 0.00 | 53.49 0.28 0.00 | 57.45 0.39 0.00 | 81.68 0.56 0.00 | 79.67 0.38 -8.68 | 75.74 0.20 -6.48 | 56.82 -0.04 -3.64 | 44.57 -0.04 0.00 | 38.50 -0.19 0.00 | 32.47 -0.23 0.00 | 37.71 -0.51 0.00 | 38.34 -0.67 0.00 | 43.62 -0.62 0.00 | 57.72 -0.42 0.00 | 71.32 0.31 0.00 | 51.96 0.66 0.00 | 51.65 0.62 0.00 | 50.45 0.53 0.00 | 52.00 0.51 0.00 | 44.40 0.45 0.00 | 42.69 0.45 0.00 |

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| CORONA_69_KV_TB1 355595 | 69.62 2.12 0.00 | 66.46 1.93 0.00 | 57.41 1.78 0.00 | 58.78 1.60 0.00 | 54.84 1.63 0.00 | 58.85 1.79 0.00 | 83.64 2.53 0.00 | 95.61 2.03 -22.97 | 88.09 1.88 -17.16 | 64.84 1.99 -9.64 | 46.67 2.05 0.00 | 40.64 1.96 0.00 | 34.80 2.10 0.00 | 40.83 2.61 0.00 | 41.80 2.79 0.00 | 47.35 3.12 0.00 | 61.70 3.57 0.00 | 74.56 3.55 0.00 | 53.69 2.39 0.00 | 53.84 2.81 0.00 | 52.49 2.56 0.00 | 54.14 2.64 0.00 | 46.04 2.10 0.00 | 44.03 1.79 0.00 |
| CORTLAND_115KV_TB3 80093 | 67.41 -0.09 0.00 | 64.35 -0.18 0.00 | 55.47 -0.16 0.00 | 57.09 -0.08 0.00 | 53.11 -0.10 0.00 | 57.03 -0.03 0.00 | 81.08 -0.03 0.00 | 76.90 -0.15 -6.44 | 73.61 -0.26 -4.82 | 55.58 -0.34 -2.70 | 44.33 -0.29 0.00 | 38.35 -0.33 0.00 | 32.36 -0.34 0.00 | 37.72 -0.50 0.00 | 38.45 -0.56 0.00 | 43.73 -0.51 0.00 | 57.66 -0.47 0.00 | 70.92 -0.09 0.00 | 51.51 0.21 0.00 | 51.20 0.17 0.00 | 50.04 0.11 0.00 | 51.58 0.08 0.00 | 44.02 0.07 0.00 | 42.32 0.08 0.00 |
| COXSACKIE___GT 23611 | 72.50 5.00 0.00 | 69.37 4.84 0.00 | 59.73 4.11 0.00 | 61.45 4.27 0.00 | 57.21 4.01 0.00 | 61.45 4.40 0.00 | 87.71 6.60 0.00 | 202.77 5.56 -126.60 | 168.91 5.25 -94.60 | 109.81 3.48 -53.11 | 46.97 2.35 0.00 | 40.44 1.76 0.00 | 34.07 1.37 0.00 | 39.58 1.36 0.00 | 40.50 1.49 0.00 | 46.13 1.89 0.00 | 61.25 3.12 0.00 | 75.72 4.70 0.00 | 55.17 3.87 0.00 | 54.96 3.94 0.00 | 53.67 3.75 0.00 | 55.36 3.87 0.00 | 47.02 3.08 0.00 | 45.11 2.86 0.00 |
| CPV_VALLEY___CC1 323721 | 67.78 0.28 0.00 | 64.85 0.32 0.00 | 55.99 0.36 0.00 | 57.44 0.26 0.00 | 53.46 0.25 0.00 | 57.36 0.30 0.00 | 81.71 0.60 0.00 | 91.14 0.54 -19.99 | 84.64 0.65 -14.94 | 62.23 0.63 -8.39 | 45.30 0.68 0.00 | 39.45 0.77 0.00 | 33.66 0.96 0.00 | 39.42 1.20 0.00 | 40.33 1.31 0.00 | 45.66 1.42 0.00 | 59.55 1.42 0.00 | 72.23 1.22 0.00 | 52.17 0.87 0.00 | 52.04 1.01 0.00 | 50.78 0.85 0.00 | 52.44 0.95 0.00 | 44.61 0.67 0.00 | 42.75 0.51 0.00 |
| CPV_VALLEY___CC2 323722 | 67.78 0.28 0.00 | 64.85 0.32 0.00 | 55.99 0.36 0.00 | 57.44 0.26 0.00 | 53.46 0.25 0.00 | 57.36 0.30 0.00 | 81.71 0.60 0.00 | 91.14 0.54 -19.99 | 84.64 0.65 -14.94 | 62.23 0.63 -8.39 | 45.30 0.68 0.00 | 39.45 0.77 0.00 | 33.66 0.96 0.00 | 39.42 1.20 0.00 | 40.33 1.31 0.00 | 45.66 1.42 0.00 | 59.55 1.42 0.00 | 72.23 1.22 0.00 | 52.17 0.87 0.00 | 52.04 1.01 0.00 | 50.78 0.85 0.00 | 52.44 0.95 0.00 | 44.61 0.67 0.00 | 42.75 0.51 0.00 |
| CRESCENT___HYD 24018 | 69.69 2.19 0.00 | 66.76 2.23 0.00 | 57.47 1.84 0.00 | 59.10 1.93 0.00 | 54.97 1.76 0.00 | 58.93 1.87 0.00 | 83.76 2.65 0.00 | 356.72 2.30 -283.82 | 283.47 2.33 -212.09 | 173.95 1.66 -119.07 | 45.77 1.15 0.00 | 39.60 0.92 0.00 | 33.43 0.73 0.00 | 39.03 0.81 0.00 | 39.97 0.96 0.00 | 45.40 1.17 0.00 | 59.86 1.73 0.00 | 72.63 1.63 0.00 | 52.45 1.15 0.00 | 52.37 1.34 0.00 | 51.17 1.25 0.00 | 52.93 1.43 0.00 | 45.05 1.10 0.00 | 43.26 1.02 0.00 |
| CRICKET___VALLEY_CC1 323756 | 68.25 0.75 0.00 | 65.43 0.90 0.00 | 56.54 0.91 0.00 | 58.01 0.83 0.00 | 53.95 0.75 0.00 | 57.86 0.80 0.00 | 82.36 1.25 0.00 | 95.92 1.05 -24.25 | 88.28 1.10 -18.12 | 64.40 1.01 -10.17 | 45.41 0.79 0.00 | 39.42 0.74 0.00 | 33.63 0.93 0.00 | 39.46 1.24 0.00 | 40.48 1.48 0.00 | 45.82 1.59 0.00 | 59.76 1.63 0.00 | 72.46 1.45 0.00 | 52.34 1.04 0.00 | 52.29 1.27 0.00 | 50.99 1.06 0.00 | 52.64 1.15 0.00 | 44.74 0.80 0.00 | 42.81 0.57 0.00 |
| CRICKET___VALLEY_CC2 323757 | 68.25 0.75 0.00 | 65.43 0.90 0.00 | 56.54 0.91 0.00 | 58.01 0.83 0.00 | 53.95 0.75 0.00 | 57.86 0.80 0.00 | 82.36 1.25 0.00 | 95.92 1.05 -24.25 | 88.28 1.10 -18.12 | 64.40 1.01 -10.17 | 45.41 0.79 0.00 | 39.42 0.74 0.00 | 33.63 0.93 0.00 | 39.46 1.24 0.00 | 40.48 1.48 0.00 | 45.82 1.59 0.00 | 59.76 1.63 0.00 | 72.46 1.45 0.00 | 52.34 1.04 0.00 | 52.29 1.27 0.00 | 50.99 1.06 0.00 | 52.64 1.15 0.00 | 44.74 0.80 0.00 | 42.81 0.57 0.00 |
| CRICKET___VALLEY_CC3 323758 | 68.25 0.75 0.00 | 65.43 0.90 0.00 | 56.54 0.91 0.00 | 58.01 0.83 0.00 | 53.95 0.75 0.00 | 57.86 0.80 0.00 | 82.36 1.25 0.00 | 95.92 1.05 -24.25 | 88.28 1.10 -18.12 | 64.40 1.01 -10.17 | 45.41 0.79 0.00 | 39.42 0.74 0.00 | 33.63 0.93 0.00 | 39.46 1.24 0.00 | 40.48 1.48 0.00 | 45.82 1.59 0.00 | 59.76 1.63 0.00 | 72.46 1.45 0.00 | 52.34 1.04 0.00 | 52.29 1.27 0.00 | 50.99 1.06 0.00 | 52.64 1.15 0.00 | 44.74 0.80 0.00 | 42.81 0.57 0.00 |
| CRUCIBLE_METL_DRP 24180 | 66.33 -1.17 0.00 | 63.33 -1.20 0.00 | 54.57 -1.06 0.00 | 56.13 -1.05 0.00 | 52.18 -1.03 0.00 | 56.02 -1.04 0.00 | 79.64 -1.47 0.00 | 69.06 -1.55 0.00 | 67.49 -1.56 0.00 | 51.88 -1.34 0.00 | 43.46 -1.15 0.00 | 37.62 -1.06 0.00 | 31.75 -0.96 0.00 | 37.04 -1.18 0.00 | 37.75 -1.26 0.00 | 43.05 -1.19 0.00 | 56.90 -1.23 0.00 | 69.85 -1.16 0.00 | 50.59 -0.70 0.00 | 50.30 -0.73 0.00 | 49.11 -0.82 0.00 | 50.64 -0.85 0.00 | 43.24 -0.71 0.00 | 41.57 -0.67 0.00 |
| DAHOWA___HYDRO 323763 | 71.42 3.92 0.00 | 68.28 3.75 0.00 | 58.74 3.11 0.00 | 60.45 3.28 0.00 | 56.01 2.81 0.00 | 60.12 3.06 0.00 | 85.51 4.40 0.00 | 393.25 3.78 -318.86 | 310.89 3.56 -238.28 | 189.50 2.51 -133.77 | 46.35 1.73 0.00 | 39.91 1.22 0.00 | 33.59 0.89 0.00 | 39.07 0.85 0.00 | 40.02 1.01 0.00 | 45.60 1.36 0.00 | 60.68 2.55 0.00 | 74.21 3.20 0.00 | 53.55 2.25 0.00 | 53.47 2.44 0.00 | 52.25 2.32 0.00 | 53.91 2.41 0.00 | 45.80 1.86 0.00 | 43.92 1.68 0.00 |
| DANC___LFGE 323619 | 68.30 0.80 0.00 | 65.53 1.00 0.00 | 56.44 0.82 0.00 | 57.92 0.74 0.00 | 53.85 0.65 0.00 | 58.04 0.98 0.00 | 83.35 2.23 0.00 | 72.39 1.79 0.00 | 69.94 0.89 0.00 | 52.91 -0.31 0.00 | 43.83 -0.78 0.00 | 37.81 -0.87 0.00 | 31.64 -1.06 0.00 | 36.88 -1.34 0.00 | 37.63 -1.38 0.00 | 42.93 -1.31 0.00 | 57.27 -0.86 0.00 | 72.15 1.14 0.00 | 52.80 1.51 0.00 | 52.28 1.25 0.00 | 50.39 0.47 0.00 | 52.01 0.52 0.00 | 44.61 0.67 0.00 | 43.02 0.77 0.00 |
| DANSKAMMER___1 23586 | 69.27 1.77 0.00 | 66.26 1.73 0.00 | 57.21 1.58 0.00 | 58.69 1.51 0.00 | 54.62 1.41 0.00 | 58.66 1.60 0.00 | 83.58 2.47 0.00 | 97.01 2.19 -24.22 | 89.44 2.29 -18.10 | 65.23 1.85 -10.16 | 46.25 1.64 0.00 | 40.23 1.54 0.00 | 34.29 1.58 0.00 | 40.15 1.93 0.00 | 41.10 2.09 0.00 | 46.57 2.33 0.00 | 60.83 2.70 0.00 | 73.85 2.84 0.00 | 53.36 2.06 0.00 | 53.27 2.24 0.00 | 51.96 2.04 0.00 | 53.63 2.14 0.00 | 45.59 1.65 0.00 | 43.63 1.38 0.00 |
| DANSKAMMER___2 23589 | 69.27 1.77 0.00 | 66.26 1.73 0.00 | 57.21 1.58 0.00 | 58.69 1.51 0.00 | 54.62 1.41 0.00 | 58.66 1.60 0.00 | 83.58 2.47 0.00 | 97.01 2.19 -24.22 | 89.44 2.29 -18.10 | 65.23 1.85 -10.16 | 46.25 1.64 0.00 | 40.23 1.54 0.00 | 34.29 1.58 0.00 | 40.15 1.93 0.00 | 41.10 2.09 0.00 | 46.57 2.33 0.00 | 60.83 2.70 0.00 | 73.85 2.84 0.00 | 53.36 2.06 0.00 | 53.27 2.24 0.00 | 51.96 2.04 0.00 | 53.63 2.14 0.00 | 45.59 1.65 0.00 | 43.63 1.38 0.00 |
| DANSKAMMER___3 23590 | 69.27 1.77 0.00 | 66.26 1.73 0.00 | 57.21 1.58 0.00 | 58.69 1.51 0.00 | 54.62 1.41 0.00 | 58.66 1.60 0.00 | 83.58 2.47 0.00 | 97.01 2.19 -24.22 | 89.44 2.29 -18.10 | 65.23 1.85 -10.16 | 46.25 1.64 0.00 | 40.23 1.54 0.00 | 34.29 1.58 0.00 | 40.15 1.93 0.00 | 41.10 2.09 0.00 | 46.57 2.33 0.00 | 60.83 2.70 0.00 | 73.85 2.84 0.00 | 53.36 2.06 0.00 | 53.27 2.24 0.00 | 51.96 2.04 0.00 | 53.63 2.14 0.00 | 45.59 1.65 0.00 | 43.63 1.38 0.00 |

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| DANSKAMMER___4 23591 | 69.27 1.77 0.00 | 66.26 1.73 0.00 | 57.21 1.58 0.00 | 58.69 1.51 0.00 | 54.62 1.41 0.00 | 58.66 1.60 0.00 | 83.58 2.47 0.00 | 97.01 2.19 -24.22 | 89.44 2.29 -18.10 | 65.23 1.85 -10.16 | 46.25 1.64 0.00 | 40.23 1.54 0.00 | 34.29 1.58 0.00 | 40.15 1.93 0.00 | 41.10 2.09 0.00 | 46.57 2.33 0.00 | 60.83 2.70 0.00 | 73.85 2.84 0.00 | 53.36 2.06 0.00 | 53.27 2.24 0.00 | 51.96 2.04 0.00 | 53.63 2.14 0.00 | 45.59 1.65 0.00 | 43.63 1.38 0.00 |
| DANSKAMMER___DIESEL 23592 | 69.28 1.78 0.00 | 66.27 1.74 0.00 | 57.21 1.58 0.00 | 58.69 1.51 0.00 | 54.62 1.41 0.00 | 58.66 1.60 0.00 | 83.59 2.48 0.00 | 97.02 2.19 -24.22 | 89.44 2.29 -18.10 | 65.23 1.85 -10.16 | 46.25 1.64 0.00 | 40.23 1.55 0.00 | 34.29 1.58 0.00 | 40.16 1.93 0.00 | 41.10 2.09 0.00 | 46.57 2.33 0.00 | 60.83 2.70 0.00 | 73.85 2.84 0.00 | 53.36 2.06 0.00 | 53.27 2.24 0.00 | 51.96 2.03 0.00 | 53.63 2.14 0.00 | 45.58 1.64 0.00 | 43.63 1.39 0.00 |
| DARBY___SOLAR 323810 | 71.00 3.50 0.00 | 67.89 3.36 0.00 | 58.41 2.78 0.00 | 60.11 2.94 0.00 | 55.72 2.52 0.00 | 59.78 2.72 0.00 | 85.01 3.90 0.00 | 388.81 3.38 -314.82 | 307.51 3.21 -235.26 | 187.53 2.24 -132.08 | 46.16 1.54 0.00 | 39.78 1.09 0.00 | 33.47 0.76 0.00 | 38.95 0.73 0.00 | 39.92 0.91 0.00 | 45.49 1.25 0.00 | 60.42 2.28 0.00 | 73.83 2.82 0.00 | 53.28 1.98 0.00 | 53.18 2.15 0.00 | 51.96 2.04 0.00 | 53.64 2.15 0.00 | 45.60 1.65 0.00 | 43.74 1.49 0.00 |
| DASHVILLE___HYD 23610 | 68.60 1.10 0.00 | 65.64 1.11 0.00 | 56.65 1.02 0.00 | 58.16 0.98 0.00 | 54.10 0.89 0.00 | 58.09 1.03 0.00 | 82.86 1.75 0.00 | 117.82 1.46 -45.75 | 104.88 1.64 -34.19 | 73.77 1.35 -19.19 | 45.86 1.25 0.00 | 39.92 1.23 0.00 | 33.98 1.27 0.00 | 39.79 1.57 0.00 | 40.65 1.64 0.00 | 46.05 1.81 0.00 | 60.14 2.00 0.00 | 73.06 2.05 0.00 | 52.82 1.52 0.00 | 52.71 1.69 0.00 | 51.44 1.51 0.00 | 53.10 1.61 0.00 | 45.15 1.20 0.00 | 43.24 0.99 0.00 |
| DELAWARE___LFGE 323621 | 68.34 0.84 0.00 | 65.32 0.79 0.00 | 56.34 0.71 0.00 | 57.98 0.80 0.00 | 53.88 0.67 0.00 | 57.84 0.78 0.00 | 82.27 1.16 0.00 | 113.16 0.94 -41.61 | 101.07 0.93 -31.09 | 71.32 0.65 -17.46 | 45.24 0.63 0.00 | 39.28 0.59 0.00 | 33.27 0.56 0.00 | 38.91 0.69 0.00 | 39.73 0.72 0.00 | 45.06 0.83 0.00 | 59.06 0.93 0.00 | 72.09 1.08 0.00 | 52.14 0.84 0.00 | 51.89 0.86 0.00 | 50.73 0.80 0.00 | 52.34 0.84 0.00 | 44.62 0.68 0.00 | 42.85 0.61 0.00 |
| DERFIELD_115KV_TB7 355931 | 67.57 0.07 0.00 | 64.59 0.06 0.00 | 55.68 0.05 0.00 | 57.25 0.07 0.00 | 53.26 0.05 0.00 | 57.15 0.09 0.00 | 81.29 0.18 0.00 | 70.89 0.28 0.00 | 69.37 0.32 0.00 | 53.41 0.19 0.00 | 44.75 0.13 0.00 | 38.80 0.12 0.00 | 32.81 0.11 0.00 | 38.33 0.12 0.00 | 39.17 0.16 0.00 | 44.34 0.10 0.00 | 58.21 0.07 0.00 | 71.10 0.09 0.00 | 51.37 0.07 0.00 | 51.13 0.10 0.00 | 49.98 0.05 0.00 | 51.56 0.07 0.00 | 43.99 0.05 0.00 | 42.28 0.04 0.00 |
| DOGLEVILLE___HYD 23807 | 70.11 2.61 0.00 | 66.93 2.40 0.00 | 57.67 2.05 0.00 | 59.37 2.19 0.00 | 55.05 1.85 0.00 | 59.13 2.07 0.00 | 84.17 3.06 0.00 | 73.41 2.80 0.00 | 71.73 2.68 0.00 | 54.84 1.62 0.00 | 45.31 0.70 0.00 | 39.08 0.39 0.00 | 32.82 0.12 0.00 | 38.26 0.04 0.00 | 39.25 0.24 0.00 | 44.77 0.53 0.00 | 59.50 1.37 0.00 | 73.13 2.12 0.00 | 53.06 1.76 0.00 | 53.09 2.06 0.00 | 51.88 1.95 0.00 | 53.87 2.37 0.00 | 45.72 1.77 0.00 | 43.69 1.45 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 65.44 -2.06 0.00 | 62.11 -2.42 0.00 | 53.38 -2.24 0.00 | 55.01 -2.17 0.00 | 51.30 -1.91 0.00 | 54.77 -2.29 0.00 | 76.75 -4.36 0.00 | 69.52 -2.05 -0.96 | 67.46 -1.87 -0.28 | 52.32 -1.33 -0.42 | 43.45 -1.16 0.00 | 37.44 -1.24 0.00 | 31.77 -0.93 0.00 | 37.41 -0.81 0.00 | 37.71 -1.30 0.00 | 42.02 -2.21 0.00 | 54.95 -3.18 0.00 | 67.76 -3.26 0.00 | 49.15 -2.14 0.00 | 48.28 -2.75 0.00 | 47.31 -2.61 0.00 | 48.75 -2.74 0.00 | 42.14 -1.80 0.00 | 40.96 -1.28 0.00 |
| DUNKIRK___1 23563 | 65.44 -2.06 0.00 | 62.11 -2.42 0.00 | 53.38 -2.24 0.00 | 55.01 -2.17 0.00 | 51.30 -1.91 0.00 | 54.77 -2.29 0.00 | 76.75 -4.36 0.00 | 69.52 -2.05 -0.96 | 67.46 -1.87 -0.28 | 52.32 -1.33 -0.42 | 43.45 -1.16 0.00 | 37.44 -1.24 0.00 | 31.77 -0.93 0.00 | 37.41 -0.81 0.00 | 37.71 -1.30 0.00 | 42.02 -2.21 0.00 | 54.95 -3.18 0.00 | 67.76 -3.26 0.00 | 49.15 -2.14 0.00 | 48.28 -2.75 0.00 | 47.31 -2.61 0.00 | 48.75 -2.74 0.00 | 42.14 -1.80 0.00 | 40.96 -1.28 0.00 |
| DUNKIRK___2 23564 | 65.44 -2.06 0.00 | 62.11 -2.42 0.00 | 53.38 -2.24 0.00 | 55.01 -2.17 0.00 | 51.30 -1.91 0.00 | 54.77 -2.29 0.00 | 76.75 -4.36 0.00 | 69.52 -2.05 -0.96 | 67.46 -1.87 -0.28 | 52.32 -1.33 -0.42 | 43.45 -1.16 0.00 | 37.44 -1.24 0.00 | 31.77 -0.93 0.00 | 37.41 -0.81 0.00 | 37.71 -1.30 0.00 | 42.02 -2.21 0.00 | 54.95 -3.18 0.00 | 67.76 -3.26 0.00 | 49.15 -2.14 0.00 | 48.28 -2.75 0.00 | 47.31 -2.61 0.00 | 48.75 -2.74 0.00 | 42.14 -1.80 0.00 | 40.96 -1.28 0.00 |
| DUNKIRK___3 23565 | 65.16 -2.34 0.00 | 61.84 -2.69 0.00 | 53.11 -2.52 0.00 | 54.71 -2.47 0.00 | 51.02 -2.19 0.00 | 54.43 -2.63 0.00 | 76.28 -4.83 0.00 | 68.48 -2.96 -0.84 | 66.18 -3.10 -0.23 | 51.33 -2.24 -0.35 | 42.70 -1.91 0.00 | 36.80 -1.88 0.00 | 31.23 -1.47 0.00 | 36.77 -1.45 0.00 | 37.07 -1.94 0.00 | 41.67 -2.57 0.00 | 54.58 -3.55 0.00 | 67.29 -3.72 0.00 | 48.78 -2.52 0.00 | 47.96 -3.07 0.00 | 47.00 -2.93 0.00 | 48.41 -3.08 0.00 | 41.89 -2.05 0.00 | 40.77 -1.48 0.00 |
| DUNKIRK___4 23566 | 65.16 -2.34 0.00 | 61.84 -2.69 0.00 | 53.11 -2.52 0.00 | 54.71 -2.47 0.00 | 51.02 -2.19 0.00 | 54.43 -2.63 0.00 | 76.28 -4.83 0.00 | 68.48 -2.96 -0.84 | 66.18 -3.10 -0.23 | 51.33 -2.24 -0.35 | 42.70 -1.91 0.00 | 36.80 -1.88 0.00 | 31.23 -1.47 0.00 | 36.77 -1.45 0.00 | 37.07 -1.94 0.00 | 41.67 -2.57 0.00 | 54.58 -3.55 0.00 | 67.29 -3.72 0.00 | 48.78 -2.52 0.00 | 47.96 -3.07 0.00 | 47.00 -2.93 0.00 | 48.41 -3.08 0.00 | 41.89 -2.05 0.00 | 40.77 -1.48 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 69.00 1.50 0.00 | 65.99 1.46 0.00 | 56.99 1.37 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.39 1.33 0.00 | 83.23 2.12 0.00 | 95.45 1.87 -22.97 | 88.14 1.93 -17.16 | 64.57 1.71 -9.64 | 46.31 1.69 0.00 | 40.35 1.66 0.00 | 34.48 1.78 0.00 | 40.48 2.26 0.00 | 41.43 2.42 0.00 | 46.90 2.66 0.00 | 61.05 2.92 0.00 | 73.87 2.85 0.00 | 53.28 1.98 0.00 | 53.21 2.18 0.00 | 51.90 1.97 0.00 | 53.58 2.09 0.00 | 45.57 1.62 0.00 | 43.59 1.35 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 68.71 1.21 0.00 | 65.73 1.20 0.00 | 56.75 1.12 0.00 | 58.20 1.02 0.00 | 54.18 0.97 0.00 | 58.16 1.10 0.00 | 82.91 1.79 0.00 | 95.89 1.58 -23.70 | 88.46 1.70 -17.71 | 64.58 1.41 -9.94 | 45.92 1.30 0.00 | 39.96 1.28 0.00 | 34.09 1.39 0.00 | 39.92 1.70 0.00 | 40.83 1.82 0.00 | 46.25 2.01 0.00 | 60.36 2.23 0.00 | 73.29 2.28 0.00 | 52.96 1.67 0.00 | 52.85 1.83 0.00 | 51.55 1.63 0.00 | 53.22 1.73 0.00 | 45.26 1.31 0.00 | 43.33 1.09 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 69.04 1.54 0.00 | 66.10 1.56 0.00 | 57.08 1.46 0.00 | 58.42 1.25 0.00 | 54.39 1.18 0.00 | 58.48 1.42 0.00 | 83.48 2.37 0.00 | 95.68 2.10 -22.97 | 88.36 2.14 -17.16 | 64.70 1.84 -9.64 | 46.40 1.79 0.00 | 40.44 1.75 0.00 | 34.59 1.89 0.00 | 40.60 2.38 0.00 | 41.59 2.58 0.00 | 47.13 2.89 0.00 | 61.27 3.14 0.00 | 73.97 2.96 0.00 | 53.45 2.16 0.00 | 53.42 2.39 0.00 | 52.04 2.11 0.00 | 53.78 2.29 0.00 | 45.72 1.77 0.00 | 43.69 1.45 0.00 |

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| E179THST_13_KV_LOAD 356214 | 69.37 1.87 0.00 | 66.38 1.85 0.00 | 57.31 1.68 0.00 | 58.65 1.48 0.00 | 54.61 1.40 0.00 | 58.73 1.67 0.00 | 83.85 2.73 0.00 | 96.02 2.45 -22.97 | 88.68 2.47 -17.16 | 64.96 2.11 -9.64 | 46.63 2.02 0.00 | 40.63 1.95 0.00 | 34.76 2.06 0.00 | 40.79 2.57 0.00 | 41.80 2.79 0.00 | 47.36 3.12 0.00 | 61.57 3.44 0.00 | 74.33 3.32 0.00 | 53.72 2.43 0.00 | 53.69 2.66 0.00 | 52.28 2.35 0.00 | 54.05 2.55 0.00 | 45.93 1.99 0.00 | 43.89 1.65 0.00 |
| EAST HAMPTON___GT 23717 | 69.48 1.98 0.00 | 65.57 1.04 0.00 | 56.90 1.27 0.00 | 58.27 1.10 0.00 | 54.78 1.58 0.00 | 59.19 2.13 0.00 | 85.37 4.26 0.00 | 97.18 3.60 -22.97 | 88.80 2.58 -17.16 | 66.01 3.16 -9.64 | 47.90 3.29 0.00 | 41.76 3.08 0.00 | 35.81 3.11 0.00 | 41.75 3.53 0.00 | 42.82 3.81 0.00 | 48.57 4.34 0.00 | 63.93 5.80 0.00 | 77.22 6.21 0.00 | 55.38 4.09 0.00 | 56.06 5.03 0.00 | 54.95 5.01 -0.01 | 58.44 5.23 -1.72 | 48.17 4.23 0.00 | 45.89 3.65 0.00 |
| EAST RIVER___6 23660 | 68.94 1.44 0.00 | 65.91 1.38 0.00 | 56.95 1.32 0.00 | 58.29 1.12 0.00 | 54.27 1.07 0.00 | 58.36 1.30 0.00 | 83.31 2.20 0.00 | 95.54 1.97 -22.97 | 88.31 2.10 -17.16 | 64.72 1.87 -9.64 | 46.48 1.86 0.00 | 40.57 1.89 0.00 | 34.73 2.03 0.00 | 40.74 2.52 0.00 | 41.64 2.63 0.00 | 47.15 2.91 0.00 | 61.35 3.21 0.00 | 74.18 3.17 0.00 | 53.49 2.20 0.00 | 53.39 2.36 0.00 | 52.02 2.09 0.00 | 53.70 2.20 0.00 | 45.63 1.69 0.00 | 43.61 1.36 0.00 |
| EAST RIVER___7 23524 | 68.94 1.44 0.00 | 65.91 1.38 0.00 | 56.95 1.32 0.00 | 58.29 1.12 0.00 | 54.27 1.07 0.00 | 58.36 1.30 0.00 | 83.31 2.20 0.00 | 95.54 1.97 -22.97 | 88.31 2.10 -17.16 | 64.72 1.87 -9.64 | 46.48 1.86 0.00 | 40.57 1.89 0.00 | 34.73 2.03 0.00 | 40.74 2.52 0.00 | 41.64 2.63 0.00 | 47.15 2.91 0.00 | 61.35 3.21 0.00 | 74.18 3.17 0.00 | 53.49 2.20 0.00 | 53.39 2.36 0.00 | 52.02 2.09 0.00 | 53.70 2.20 0.00 | 45.63 1.69 0.00 | 43.61 1.36 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 68.80 1.30 0.00 | 65.82 1.29 0.00 | 56.84 1.21 0.00 | 58.24 1.07 0.00 | 54.23 1.02 0.00 | 58.23 1.17 0.00 | 83.01 1.89 0.00 | 95.21 1.66 -22.94 | 87.93 1.73 -17.14 | 64.39 1.54 -9.62 | 46.15 1.54 0.00 | 40.21 1.53 0.00 | 34.37 1.66 0.00 | 40.34 2.12 0.00 | 41.28 2.27 0.00 | 46.74 2.50 0.00 | 60.85 2.72 0.00 | 73.65 2.64 0.00 | 53.12 1.83 0.00 | 53.06 2.03 0.00 | 51.73 1.80 0.00 | 53.43 1.93 0.00 | 45.44 1.49 0.00 | 43.48 1.23 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 69.29 1.78 0.00 | 65.38 0.84 0.00 | 56.72 1.09 0.00 | 58.10 0.93 0.00 | 54.62 1.41 0.00 | 59.02 1.96 0.00 | 85.26 4.14 0.00 | 97.15 3.57 -22.97 | 88.76 2.54 -17.16 | 66.00 3.15 -9.64 | 47.91 3.30 0.00 | 41.77 3.08 0.00 | 35.83 3.12 0.00 | 41.77 3.55 0.00 | 42.83 3.82 0.00 | 48.59 4.35 0.00 | 63.93 5.80 0.00 | 77.24 6.23 0.00 | 55.38 4.09 0.00 | 56.08 5.06 0.00 | 54.96 5.02 -0.01 | 58.46 5.24 -1.72 | 48.18 4.24 0.00 | 45.91 3.66 0.00 |
| EAST_POINT___SOLAR 323840 | 71.16 3.66 0.00 | 67.98 3.45 0.00 | 58.52 2.89 0.00 | 60.15 2.97 0.00 | 56.06 2.85 0.00 | 60.28 3.22 0.00 | 85.85 4.73 0.00 | 384.43 4.32 -309.50 | 303.65 3.31 -231.28 | 184.25 1.19 -129.84 | 44.42 -0.19 0.00 | 38.06 -0.62 0.00 | 31.91 -0.79 0.00 | 37.16 -1.06 0.00 | 37.96 -1.05 0.00 | 43.37 -0.87 0.00 | 58.92 0.79 0.00 | 74.50 3.49 0.00 | 54.49 3.19 0.00 | 54.09 3.07 0.00 | 52.84 2.91 0.00 | 54.34 2.84 0.00 | 46.31 2.36 0.00 | 44.52 2.28 0.00 |
| EAST_PULASKI___ESR 323781 | 67.02 -0.48 0.00 | 64.14 -0.39 0.00 | 55.24 -0.39 0.00 | 56.72 -0.46 0.00 | 52.80 -0.41 0.00 | 56.82 -0.23 0.00 | 81.30 0.19 0.00 | 70.61 0.00 0.00 | 68.52 -0.53 0.00 | 52.17 -1.05 0.00 | 43.39 -1.23 0.00 | 37.47 -1.21 0.00 | 31.42 -1.28 0.00 | 36.62 -1.60 0.00 | 37.35 -1.66 0.00 | 42.60 -1.64 0.00 | 56.64 -1.49 0.00 | 70.72 -0.28 0.00 | 51.59 0.29 0.00 | 51.16 0.13 0.00 | 49.62 -0.31 0.00 | 51.16 -0.33 0.00 | 43.75 -0.19 0.00 | 42.09 -0.15 0.00 |
| EAST_RIVER___1 323558 | 69.04 1.54 0.00 | 66.01 1.48 0.00 | 57.03 1.40 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.43 1.37 0.00 | 83.39 2.28 0.00 | 95.59 2.02 -22.97 | 88.33 2.11 -17.16 | 64.72 1.87 -9.64 | 46.46 1.85 0.00 | 40.49 1.81 0.00 | 34.65 1.95 0.00 | 40.69 2.47 0.00 | 41.62 2.61 0.00 | 47.14 2.91 0.00 | 61.30 3.17 0.00 | 74.15 3.14 0.00 | 53.49 2.19 0.00 | 53.39 2.36 0.00 | 52.04 2.11 0.00 | 53.71 2.22 0.00 | 45.67 1.73 0.00 | 43.66 1.41 0.00 |
| EAST_RIVER___2 323559 | 68.94 1.44 0.00 | 65.91 1.38 0.00 | 56.95 1.32 0.00 | 58.29 1.12 0.00 | 54.27 1.07 0.00 | 58.36 1.30 0.00 | 83.31 2.20 0.00 | 95.54 1.97 -22.97 | 88.31 2.10 -17.16 | 64.72 1.87 -9.64 | 46.48 1.86 0.00 | 40.57 1.89 0.00 | 34.73 2.03 0.00 | 40.74 2.52 0.00 | 41.64 2.63 0.00 | 47.15 2.91 0.00 | 61.35 3.21 0.00 | 74.18 3.17 0.00 | 53.49 2.20 0.00 | 53.39 2.36 0.00 | 52.02 2.09 0.00 | 53.70 2.20 0.00 | 45.63 1.69 0.00 | 43.61 1.36 0.00 |
| EAST___DELAWARE_HYD 23607 | 70.33 2.83 0.00 | 67.76 3.24 0.00 | 58.52 2.90 0.00 | 60.10 2.93 0.00 | 56.02 2.81 0.00 | 60.15 3.09 0.00 | 85.71 4.60 0.00 | 100.62 3.97 -26.03 | 92.53 4.02 -19.45 | 67.28 3.14 -10.92 | 47.35 2.73 0.00 | 41.14 2.46 0.00 | 34.93 2.23 0.00 | 40.70 2.48 0.00 | 41.58 2.58 0.00 | 47.27 3.03 0.00 | 62.07 3.94 0.00 | 75.63 4.62 0.00 | 54.70 3.40 0.00 | 54.49 3.47 0.00 | 53.15 3.22 0.00 | 54.42 2.93 0.00 | 45.94 2.00 0.00 | 44.25 2.00 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 68.84 -2.66 -4.00 | 64.42 -2.01 -1.90 | 53.81 -1.82 0.00 | 55.74 -1.43 0.00 | 52.77 -1.00 -0.56 | 56.96 -1.17 -1.07 | 81.43 -2.39 -2.71 | 79.55 -1.40 -10.34 | 73.84 -1.68 -6.46 | 57.84 -1.35 -5.97 | 43.44 -1.17 0.00 | 37.25 -1.44 0.00 | 31.34 -1.36 0.00 | 36.63 -1.59 0.00 | 37.01 -2.00 0.00 | 41.76 -2.48 0.00 | 55.21 -2.92 0.00 | 68.57 -2.55 -0.11 | 49.61 -1.81 -0.12 | 48.61 -2.42 0.00 | 47.42 -2.51 0.00 | 48.96 -2.54 0.00 | 42.65 -1.29 0.00 | 41.68 -0.56 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 66.02 -1.48 0.00 | 63.03 -1.50 0.00 | 54.33 -1.30 0.00 | 55.86 -1.31 0.00 | 51.93 -1.28 0.00 | 55.74 -1.32 0.00 | 79.19 -1.92 0.00 | 68.72 -1.89 0.00 | 67.15 -1.90 0.00 | 51.62 -1.60 0.00 | 43.25 -1.37 0.00 | 37.44 -1.24 0.00 | 31.60 -1.11 0.00 | 36.88 -1.35 0.00 | 37.57 -1.44 0.00 | 42.80 -1.44 0.00 | 56.56 -1.57 0.00 | 69.42 -1.59 0.00 | 50.30 -1.00 0.00 | 50.04 -0.99 0.00 | 48.85 -1.08 0.00 | 50.40 -1.10 0.00 | 43.05 -0.90 0.00 | 41.40 -0.84 0.00 |
| ELEC_TRO_TEK 24086 | 69.32 1.82 0.00 | 66.17 1.63 0.00 | 57.17 1.54 0.00 | 58.54 1.36 0.00 | 54.62 1.41 0.00 | 58.62 1.56 0.00 | 83.26 2.15 0.00 | 95.29 1.71 -22.97 | 87.77 1.56 -17.16 | 64.62 1.76 -9.64 | 46.46 1.85 0.00 | 40.48 1.80 0.00 | 34.67 1.97 0.00 | 40.64 2.42 0.00 | 41.62 2.61 0.00 | 47.17 2.93 0.00 | 61.46 3.33 0.00 | 74.23 3.21 0.00 | 53.40 2.10 0.00 | 53.59 2.57 0.00 | 52.24 2.31 0.00 | 53.88 2.39 0.00 | 45.82 1.88 0.00 | 43.82 1.58 0.00 |
| ELLENBURG_WT_PWR 323604 | 69.08 1.58 0.00 | 65.92 1.39 0.00 | 56.87 1.24 0.00 | 58.45 1.28 0.00 | 54.37 1.16 0.00 | 58.08 1.03 0.00 | 82.41 1.29 0.00 | 71.52 0.91 0.00 | 69.78 0.73 0.00 | 54.07 0.86 0.00 | 45.50 0.89 0.00 | 39.38 0.70 0.00 | 32.96 0.26 0.00 | 38.52 0.30 0.00 | 39.21 0.20 0.00 | 44.60 0.37 0.00 | 59.00 0.87 0.00 | 72.43 1.42 0.00 | 52.22 0.92 0.00 | 51.88 0.85 0.00 | 50.91 0.98 0.00 | 52.31 0.82 0.00 | 44.59 0.64 0.00 | 42.89 0.65 0.00 |

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| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 64.42 -3.08 0.00 | 61.02 -3.51 0.00 | 52.29 -3.34 0.00 | 53.78 -3.39 0.00 | 50.26 -2.95 0.00 | 53.52 -3.53 0.00 | 74.92 -6.20 0.00 | 67.21 -4.19 -0.79 | 65.00 -4.27 -0.22 | 50.44 -3.11 -0.33 | 41.87 -2.75 0.00 | 35.98 -2.70 0.00 | 30.44 -2.26 0.00 | 35.79 -2.43 0.00 | 36.04 -2.97 0.00 | 40.57 -3.67 0.00 | 53.44 -4.69 0.00 | 66.09 -4.92 0.00 | 47.83 -3.47 0.00 | 46.99 -4.04 0.00 | 45.99 -3.93 0.00 | 47.34 -4.16 0.00 | 41.09 -2.85 0.00 | 40.15 -2.10 0.00 |
| EMPIRE_CC_1 323656 | 68.79 1.29 0.00 | 66.02 1.48 0.00 | 56.84 1.21 0.00 | 58.40 1.22 0.00 | 54.35 1.14 0.00 | 58.13 1.07 0.00 | 82.50 1.39 0.00 | 260.49 0.99 -188.89 | 211.56 1.36 -141.15 | 133.32 0.85 -79.24 | 45.12 0.51 0.00 | 39.09 0.42 0.00 | 33.01 0.31 0.00 | 38.57 0.35 0.00 | 39.52 0.51 0.00 | 44.84 0.60 0.00 | 58.92 0.79 0.00 | 71.31 0.30 0.00 | 51.53 0.23 0.00 | 51.43 0.40 0.00 | 50.31 0.38 0.00 | 52.11 0.61 0.00 | 44.36 0.42 0.00 | 42.62 0.38 0.00 |
| EMPIRE_CC_2 323658 | 68.79 1.29 0.00 | 66.02 1.48 0.00 | 56.84 1.21 0.00 | 58.40 1.22 0.00 | 54.35 1.14 0.00 | 58.13 1.07 0.00 | 82.50 1.39 0.00 | 260.49 0.99 -188.89 | 211.56 1.36 -141.15 | 133.32 0.85 -79.24 | 45.12 0.51 0.00 | 39.09 0.42 0.00 | 33.01 0.31 0.00 | 38.57 0.35 0.00 | 39.52 0.51 0.00 | 44.84 0.60 0.00 | 58.92 0.79 0.00 | 71.31 0.30 0.00 | 51.53 0.23 0.00 | 51.43 0.40 0.00 | 50.31 0.38 0.00 | 52.11 0.61 0.00 | 44.36 0.42 0.00 | 42.62 0.38 0.00 |
| ENORWICH_115KV_TB1 80156 | 71.61 4.11 0.00 | 67.90 3.37 0.00 | 58.86 3.23 0.00 | 60.80 3.63 0.00 | 56.63 3.42 0.00 | 60.88 3.82 0.00 | 86.92 5.81 0.00 | 94.30 5.27 -18.42 | 87.48 4.66 -13.77 | 64.08 3.13 -7.73 | 47.03 2.41 0.00 | 40.20 1.52 0.00 | 33.59 0.89 0.00 | 39.13 0.91 0.00 | 39.88 0.87 0.00 | 45.54 1.31 0.00 | 60.82 2.69 0.00 | 75.88 4.87 0.00 | 55.32 4.02 0.00 | 54.80 3.77 0.00 | 53.59 3.66 0.00 | 55.12 3.63 0.00 | 46.82 2.87 0.00 | 44.84 2.60 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 66.23 -1.27 0.00 | 62.79 -1.74 0.00 | 53.70 -1.93 0.00 | 55.23 -1.95 0.00 | 51.65 -1.56 0.00 | 55.14 -1.92 0.00 | 77.40 -3.72 0.00 | 72.04 -1.46 -2.88 | 68.29 -1.60 -0.84 | 53.44 -1.03 -1.25 | 43.43 -1.18 0.00 | 37.16 -1.52 0.00 | 31.41 -1.29 0.00 | 36.94 -1.28 0.00 | 37.21 -1.80 0.00 | 41.89 -2.35 0.00 | 55.30 -2.83 0.00 | 68.51 -2.50 0.00 | 49.54 -1.76 0.00 | 48.51 -2.52 0.00 | 47.47 -2.45 0.00 | 48.87 -2.62 0.00 | 42.35 -1.60 0.00 | 41.28 -0.96 0.00 |
| ERIE_WT_PWR 323693 | 47.69 -2.34 17.47 | 53.44 -2.80 8.29 | 52.85 -2.77 0.00 | 54.37 -2.81 0.00 | 48.37 -2.38 2.46 | 49.50 -2.87 4.69 | 64.35 -5.19 11.57 | 60.04 -3.04 7.53 | 63.55 -3.19 2.30 | 42.38 -2.33 8.50 | 42.48 -2.14 0.00 | 36.49 -2.19 0.00 | 30.85 -1.85 0.00 | 36.28 -1.94 0.00 | 36.51 -2.50 0.00 | 41.14 -3.10 0.00 | 54.19 -3.95 0.00 | 66.76 -3.92 0.33 | 48.21 -2.72 0.36 | 47.66 -3.37 0.00 | 46.61 -3.31 0.00 | 47.94 -3.55 0.00 | 41.58 -2.36 0.00 | 40.60 -1.64 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 68.97 1.47 0.00 | 65.91 1.38 0.00 | 56.82 1.20 0.00 | 58.39 1.21 0.00 | 54.33 1.12 0.00 | 58.37 1.31 0.00 | 82.99 1.88 0.00 | 293.30 1.69 -221.01 | 235.62 1.42 -165.15 | 146.68 0.74 -92.72 | 45.20 0.59 0.00 | 39.07 0.39 0.00 | 32.95 0.24 0.00 | 38.46 0.24 0.00 | 39.20 0.19 0.00 | 44.45 0.21 0.00 | 58.73 0.59 0.00 | 72.63 1.62 0.00 | 52.79 1.49 0.00 | 52.35 1.32 0.00 | 51.17 1.25 0.00 | 52.62 1.13 0.00 | 44.92 0.98 0.00 | 43.25 1.01 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 67.83 0.33 0.00 | 64.67 0.14 0.00 | 55.78 0.15 0.00 | 57.41 0.24 0.00 | 53.41 0.20 0.00 | 57.35 0.29 0.00 | 81.53 0.42 0.00 | 79.57 0.28 -8.68 | 75.64 0.11 -6.48 | 56.75 -0.11 -3.64 | 44.53 -0.09 0.00 | 38.46 -0.22 0.00 | 32.42 -0.28 0.00 | 37.69 -0.52 0.00 | 38.34 -0.67 0.00 | 43.62 -0.62 0.00 | 57.69 -0.44 0.00 | 71.22 0.21 0.00 | 51.85 0.55 0.00 | 51.54 0.51 0.00 | 50.35 0.42 0.00 | 51.90 0.40 0.00 | 44.31 0.36 0.00 | 42.61 0.37 0.00 |
| ETNA_____115KV_TB2 80207 | 67.83 0.33 0.00 | 64.67 0.14 0.00 | 55.78 0.15 0.00 | 57.41 0.24 0.00 | 53.41 0.20 0.00 | 57.35 0.29 0.00 | 81.53 0.42 0.00 | 79.57 0.28 -8.68 | 75.64 0.11 -6.48 | 56.75 -0.11 -3.64 | 44.53 -0.09 0.00 | 38.46 -0.22 0.00 | 32.42 -0.28 0.00 | 37.69 -0.52 0.00 | 38.34 -0.67 0.00 | 43.62 -0.62 0.00 | 57.69 -0.44 0.00 | 71.22 0.21 0.00 | 51.85 0.55 0.00 | 51.54 0.51 0.00 | 50.35 0.42 0.00 | 51.90 0.40 0.00 | 44.31 0.36 0.00 | 42.61 0.37 0.00 |
| EUCLID___115KV_TB2 356179 | 65.56 -1.94 0.00 | 62.61 -1.93 0.00 | 53.94 -1.69 0.00 | 55.47 -1.71 0.00 | 51.64 -1.57 0.00 | 55.39 -1.67 0.00 | 78.72 -2.40 0.00 | 68.19 -2.42 0.00 | 66.68 -2.37 0.00 | 51.28 -1.94 0.00 | 42.96 -1.65 0.00 | 37.21 -1.48 0.00 | 31.42 -1.27 0.00 | 36.68 -1.54 0.00 | 37.39 -1.62 0.00 | 42.66 -1.58 0.00 | 56.35 -1.78 0.00 | 69.07 -1.94 0.00 | 49.98 -1.31 0.00 | 49.65 -1.37 0.00 | 48.54 -1.39 0.00 | 50.04 -1.46 0.00 | 42.71 -1.23 0.00 | 41.07 -1.17 0.00 |
| E_CANADA_CAP_HY 24051 | 69.83 2.33 0.00 | 66.76 2.23 0.00 | 57.51 1.88 0.00 | 59.06 1.89 0.00 | 54.96 1.76 0.00 | 59.03 1.97 0.00 | 83.83 2.71 0.00 | 360.69 2.60 -287.47 | 286.03 2.16 -214.82 | 174.85 1.03 -120.60 | 45.12 0.50 0.00 | 38.85 0.16 0.00 | 32.62 -0.08 0.00 | 37.98 -0.23 0.00 | 38.72 -0.28 0.00 | 43.98 -0.26 0.00 | 58.60 0.47 0.00 | 73.11 2.10 0.00 | 53.28 1.99 0.00 | 52.81 1.79 0.00 | 51.61 1.68 0.00 | 53.10 1.61 0.00 | 45.34 1.39 0.00 | 43.68 1.44 0.00 |
| E_CANADA_MHWK_HY 24050 | 70.10 2.61 0.00 | 66.93 2.40 0.00 | 57.67 2.05 0.00 | 59.37 2.19 0.00 | 55.05 1.84 0.00 | 59.12 2.06 0.00 | 84.17 3.06 0.00 | 73.41 2.80 0.00 | 71.73 2.68 0.00 | 54.84 1.62 0.00 | 45.31 0.70 0.00 | 39.07 0.39 0.00 | 32.82 0.12 0.00 | 38.26 0.04 0.00 | 39.26 0.24 0.00 | 44.77 0.53 0.00 | 59.50 1.37 0.00 | 73.13 2.12 0.00 | 53.06 1.76 0.00 | 53.09 2.06 0.00 | 51.88 1.95 0.00 | 53.87 2.37 0.00 | 45.72 1.77 0.00 | 43.69 1.45 0.00 |
| E_FISHKILL___LBMP 23776 | 68.47 0.97 0.00 | 65.52 0.99 0.00 | 56.59 0.96 0.00 | 58.04 0.86 0.00 | 54.02 0.81 0.00 | 57.98 0.92 0.00 | 82.59 1.48 0.00 | 95.28 1.27 -23.41 | 87.89 1.34 -17.49 | 64.23 1.19 -9.82 | 45.71 1.10 0.00 | 39.79 1.11 0.00 | 33.95 1.25 0.00 | 39.82 1.60 0.00 | 40.78 1.77 0.00 | 46.16 1.93 0.00 | 60.18 2.05 0.00 | 72.93 1.92 0.00 | 52.64 1.34 0.00 | 52.56 1.54 0.00 | 51.27 1.35 0.00 | 52.95 1.46 0.00 | 45.02 1.08 0.00 | 43.10 0.86 0.00 |
| FALCON___SEABRD_CC1 323796 | 69.98 2.48 0.00 | 66.78 2.25 0.00 | 57.59 1.97 0.00 | 59.27 2.09 0.00 | 55.19 1.98 0.00 | 58.98 1.92 0.00 | 83.60 2.49 0.00 | 72.52 1.91 0.00 | 70.80 1.75 0.00 | 54.67 1.45 0.00 | 45.95 1.33 0.00 | 39.81 1.13 0.00 | 33.33 0.62 0.00 | 38.95 0.73 0.00 | 39.71 0.70 0.00 | 45.16 0.92 0.00 | 59.78 1.65 0.00 | 73.39 2.38 0.00 | 52.97 1.68 0.00 | 52.68 1.65 0.00 | 51.69 1.77 0.00 | 53.10 1.60 0.00 | 45.21 1.27 0.00 | 43.40 1.15 0.00 |
| FALCON___SEABRD_CC2 323797 | 69.98 2.48 0.00 | 66.78 2.25 0.00 | 57.59 1.97 0.00 | 59.27 2.09 0.00 | 55.19 1.98 0.00 | 58.98 1.92 0.00 | 83.60 2.49 0.00 | 72.52 1.91 0.00 | 70.80 1.75 0.00 | 54.67 1.45 0.00 | 45.95 1.33 0.00 | 39.81 1.13 0.00 | 33.33 0.62 0.00 | 38.95 0.73 0.00 | 39.71 0.70 0.00 | 45.16 0.92 0.00 | 59.78 1.65 0.00 | 73.39 2.38 0.00 | 52.97 1.68 0.00 | 52.68 1.65 0.00 | 51.69 1.77 0.00 | 53.10 1.60 0.00 | 45.21 1.27 0.00 | 43.40 1.15 0.00 |

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| FAR ROCKAWAY___4 23548 | 70.22 2.72 0.00 | 67.01 2.48 0.00 | 57.86 2.23 0.00 | 59.24 2.07 0.00 | 55.30 2.09 0.00 | 59.36 2.30 0.00 | 84.39 3.27 0.00 | 96.23 2.65 -22.97 | 88.66 2.44 -17.16 | 65.31 2.45 -9.64 | 47.06 2.45 0.00 | 40.99 2.30 0.00 | 35.09 2.39 0.00 | 41.20 2.98 0.00 | 42.13 3.12 0.00 | 47.79 3.55 0.00 | 62.24 4.11 0.00 | 75.30 4.29 0.00 | 54.21 2.91 0.00 | 54.37 3.34 0.00 | 52.99 3.07 0.00 | 54.63 3.13 0.00 | 46.43 2.48 0.00 | 44.42 2.18 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 69.12 1.62 0.00 | 66.08 1.55 0.00 | 57.09 1.46 0.00 | 58.43 1.25 0.00 | 54.42 1.22 0.00 | 58.49 1.43 0.00 | 83.47 2.35 0.00 | 95.67 2.10 -22.97 | 88.39 2.18 -17.16 | 64.74 1.88 -9.64 | 46.48 1.86 0.00 | 40.50 1.82 0.00 | 34.65 1.94 0.00 | 40.69 2.47 0.00 | 41.65 2.64 0.00 | 47.18 2.94 0.00 | 61.34 3.21 0.00 | 74.20 3.19 0.00 | 53.52 2.23 0.00 | 53.43 2.41 0.00 | 52.08 2.15 0.00 | 53.76 2.27 0.00 | 45.71 1.77 0.00 | 43.70 1.46 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 69.12 1.63 0.00 | 66.12 1.59 0.00 | 57.11 1.49 0.00 | 58.46 1.28 0.00 | 54.44 1.23 0.00 | 58.51 1.45 0.00 | 83.51 2.40 0.00 | 95.70 2.12 -22.97 | 88.42 2.21 -17.16 | 64.78 1.92 -9.64 | 46.50 1.88 0.00 | 40.52 1.83 0.00 | 34.66 1.96 0.00 | 40.70 2.48 0.00 | 41.66 2.65 0.00 | 47.19 2.95 0.00 | 61.36 3.23 0.00 | 74.22 3.21 0.00 | 53.54 2.25 0.00 | 53.45 2.43 0.00 | 52.10 2.18 0.00 | 53.80 2.30 0.00 | 45.74 1.79 0.00 | 43.72 1.48 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 69.06 1.56 0.00 | 66.04 1.51 0.00 | 57.06 1.43 0.00 | 58.40 1.22 0.00 | 54.38 1.18 0.00 | 58.45 1.40 0.00 | 83.42 2.31 0.00 | 95.63 2.05 -22.97 | 88.35 2.14 -17.16 | 64.73 1.87 -9.64 | 46.45 1.84 0.00 | 40.48 1.80 0.00 | 34.63 1.93 0.00 | 40.67 2.46 0.00 | 41.62 2.61 0.00 | 47.15 2.91 0.00 | 61.31 3.18 0.00 | 74.15 3.14 0.00 | 53.50 2.20 0.00 | 53.39 2.37 0.00 | 52.05 2.12 0.00 | 53.75 2.25 0.00 | 45.67 1.73 0.00 | 43.68 1.44 0.00 |
| FARRAGUT___LBMP 323566 | 69.00 1.50 0.00 | 65.99 1.46 0.00 | 57.03 1.41 0.00 | 58.35 1.18 0.00 | 54.36 1.15 0.00 | 58.41 1.35 0.00 | 83.37 2.25 0.00 | 95.56 1.98 -22.97 | 88.28 2.07 -17.16 | 64.67 1.82 -9.64 | 46.41 1.79 0.00 | 40.44 1.76 0.00 | 34.60 1.90 0.00 | 40.64 2.42 0.00 | 41.58 2.57 0.00 | 47.11 2.87 0.00 | 61.25 3.12 0.00 | 74.08 3.07 0.00 | 53.44 2.15 0.00 | 53.35 2.32 0.00 | 52.00 2.08 0.00 | 53.70 2.20 0.00 | 45.65 1.70 0.00 | 43.65 1.40 0.00 |
| FENNER___WINDPWR 24204 | 68.39 0.89 0.00 | 65.36 0.82 0.00 | 56.34 0.71 0.00 | 57.94 0.77 0.00 | 53.92 0.71 0.00 | 57.97 0.91 0.00 | 82.62 1.51 0.00 | 71.86 1.25 0.00 | 70.14 1.08 0.00 | 53.78 0.56 0.00 | 44.98 0.37 0.00 | 38.87 0.19 0.00 | 32.71 0.01 0.00 | 38.10 -0.11 0.00 | 38.87 -0.14 0.00 | 44.24 0.00 0.00 | 58.48 0.35 0.00 | 72.15 1.14 0.00 | 52.36 1.06 0.00 | 52.00 0.98 0.00 | 50.77 0.85 0.00 | 52.27 0.78 0.00 | 44.58 0.63 0.00 | 42.88 0.64 0.00 |
| FIBERTEK___ENERGY 23856 | 66.33 -1.17 0.00 | 63.33 -1.20 0.00 | 54.57 -1.06 0.00 | 56.13 -1.05 0.00 | 52.18 -1.03 0.00 | 56.02 -1.04 0.00 | 79.64 -1.47 0.00 | 69.06 -1.55 0.00 | 67.49 -1.56 0.00 | 51.88 -1.34 0.00 | 43.46 -1.15 0.00 | 37.62 -1.06 0.00 | 31.75 -0.96 0.00 | 37.04 -1.18 0.00 | 37.75 -1.26 0.00 | 43.05 -1.19 0.00 | 56.90 -1.23 0.00 | 69.85 -1.16 0.00 | 50.59 -0.70 0.00 | 50.30 -0.73 0.00 | 49.11 -0.82 0.00 | 50.64 -0.85 0.00 | 43.24 -0.71 0.00 | 41.57 -0.67 0.00 |
| FITZPATRICK___ 23598 | 64.79 -2.71 0.00 | 61.88 -2.65 0.00 | 53.32 -2.31 0.00 | 54.81 -2.36 0.00 | 51.03 -2.18 0.00 | 54.74 -2.32 0.00 | 77.80 -3.32 0.00 | 67.54 -3.07 0.00 | 66.04 -3.01 0.00 | 50.78 -2.44 0.00 | 42.54 -2.08 0.00 | 36.85 -1.83 0.00 | 31.13 -1.57 0.00 | 36.35 -1.87 0.00 | 37.06 -1.95 0.00 | 42.20 -2.04 0.00 | 55.65 -2.48 0.00 | 68.19 -2.82 0.00 | 49.33 -1.97 0.00 | 49.02 -2.01 0.00 | 47.91 -2.02 0.00 | 49.41 -2.08 0.00 | 42.18 -1.76 0.00 | 40.57 -1.67 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 69.43 1.93 0.00 | 66.41 1.88 0.00 | 57.34 1.71 0.00 | 58.81 1.63 0.00 | 54.73 1.52 0.00 | 58.78 1.72 0.00 | 83.80 2.69 0.00 | 97.11 2.37 -24.13 | 89.55 2.47 -18.03 | 65.32 1.98 -10.12 | 46.35 1.74 0.00 | 40.32 1.64 0.00 | 34.36 1.66 0.00 | 40.23 2.01 0.00 | 41.18 2.17 0.00 | 46.67 2.43 0.00 | 60.98 2.84 0.00 | 74.01 3.00 0.00 | 53.48 2.19 0.00 | 53.40 2.37 0.00 | 52.08 2.15 0.00 | 53.75 2.26 0.00 | 45.68 1.73 0.00 | 43.71 1.47 0.00 |
| FORT ORANGE___ 23900 | 69.75 2.24 0.00 | 66.79 2.26 0.00 | 57.54 1.91 0.00 | 59.15 1.98 0.00 | 55.02 1.81 0.00 | 58.99 1.93 0.00 | 83.92 2.81 0.00 | 257.86 2.28 -184.97 | 209.67 2.40 -138.23 | 132.54 1.72 -77.60 | 45.83 1.22 0.00 | 39.68 1.00 0.00 | 33.53 0.83 0.00 | 39.14 0.92 0.00 | 40.08 1.07 0.00 | 45.48 1.25 0.00 | 59.82 1.70 0.00 | 72.84 1.83 0.00 | 52.71 1.41 0.00 | 52.58 1.55 0.00 | 51.38 1.46 0.00 | 53.11 1.62 0.00 | 45.20 1.26 0.00 | 43.40 1.16 0.00 |
| FORT_DRUM_COGEN 23780 | 70.00 2.50 0.00 | 67.20 2.67 0.00 | 57.85 2.22 0.00 | 59.39 2.22 0.00 | 55.17 1.96 0.00 | 59.53 2.47 0.00 | 85.62 4.50 0.00 | 74.39 3.78 0.00 | 71.61 2.56 0.00 | 53.87 0.65 0.00 | 44.50 -0.11 0.00 | 38.36 -0.32 0.00 | 32.08 -0.62 0.00 | 37.41 -0.81 0.00 | 38.15 -0.86 0.00 | 43.56 -0.68 0.00 | 58.22 0.09 0.00 | 73.82 2.81 0.00 | 54.16 2.87 0.00 | 53.57 2.55 0.00 | 51.58 1.65 0.00 | 53.23 1.73 0.00 | 45.70 1.75 0.00 | 44.09 1.85 0.00 |
| FOX_HILLS___ESR 323835 | 69.15 1.65 0.00 | 66.20 1.67 0.00 | 57.17 1.54 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.56 1.50 0.00 | 83.56 2.45 0.00 | 95.70 2.12 -22.97 | 88.11 1.89 -17.16 | 64.56 1.70 -9.64 | 46.37 1.76 0.00 | 40.37 1.69 0.00 | 34.55 1.85 0.00 | 40.64 2.42 0.00 | 41.59 2.58 0.00 | 47.09 2.85 0.00 | 61.14 3.01 0.00 | 73.85 2.84 0.00 | 53.40 2.10 0.00 | 53.40 2.37 0.00 | 52.00 2.07 0.00 | 53.73 2.23 0.00 | 45.72 1.78 0.00 | 43.71 1.46 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 70.22 2.72 0.00 | 66.99 2.46 0.00 | 57.86 2.23 0.00 | 59.24 2.07 0.00 | 55.28 2.08 0.00 | 59.35 2.29 0.00 | 84.37 3.26 0.00 | 96.21 2.63 -22.97 | 88.66 2.44 -17.16 | 65.32 2.47 -9.64 | 47.07 2.46 0.00 | 40.97 2.29 0.00 | 35.09 2.39 0.00 | 41.20 2.98 0.00 | 42.13 3.12 0.00 | 47.79 3.55 0.00 | 62.24 4.11 0.00 | 75.29 4.28 0.00 | 54.20 2.91 0.00 | 54.37 3.34 0.00 | 53.00 3.07 0.00 | 54.63 3.13 0.00 | 46.43 2.49 0.00 | 44.42 2.17 0.00 |
| FPL_FAR_ROCK_GT2 23815 | 70.22 2.72 0.00 | 66.99 2.46 0.00 | 57.86 2.23 0.00 | 59.24 2.07 0.00 | 55.28 2.08 0.00 | 59.35 2.29 0.00 | 84.37 3.26 0.00 | 96.21 2.63 -22.97 | 88.66 2.44 -17.16 | 65.32 2.47 -9.64 | 47.07 2.46 0.00 | 40.97 2.29 0.00 | 35.09 2.39 0.00 | 41.20 2.98 0.00 | 42.13 3.12 0.00 | 47.79 3.55 0.00 | 62.24 4.11 0.00 | 75.29 4.28 0.00 | 54.20 2.91 0.00 | 54.37 3.34 0.00 | 53.00 3.07 0.00 | 54.63 3.13 0.00 | 46.43 2.49 0.00 | 44.42 2.17 0.00 |
| FRANKLIN_FALL_HYD 24054 | 70.50 3.00 0.00 | 67.28 2.75 0.00 | 58.03 2.40 0.00 | 59.65 2.47 0.00 | 55.50 2.29 0.00 | 59.39 2.33 0.00 | 84.37 3.26 0.00 | 73.31 2.70 0.00 | 71.24 2.19 0.00 | 54.92 1.71 0.00 | 46.18 1.57 0.00 | 39.99 1.31 0.00 | 33.40 0.70 0.00 | 39.03 0.81 0.00 | 39.72 0.71 0.00 | 45.19 0.96 0.00 | 59.82 1.69 0.00 | 73.73 2.72 0.00 | 53.42 2.12 0.00 | 52.94 1.92 0.00 | 51.88 1.95 0.00 | 53.25 1.76 0.00 | 45.52 1.57 0.00 | 43.82 1.57 0.00 |

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| FREEPORT_EQUS_GT1 23764 | 69.69 2.20 0.00 | 66.48 1.95 0.00 | 57.42 1.79 0.00 | 58.77 1.60 0.00 | 54.88 1.68 0.00 | 58.91 1.85 0.00 | 83.40 2.29 0.00 | 95.27 1.69 -22.97 | 87.69 1.47 -17.16 | 64.62 1.76 -9.64 | 46.37 1.75 0.00 | 40.41 1.72 0.00 | 34.75 2.05 0.00 | 40.71 2.49 0.00 | 41.72 2.71 0.00 | 47.39 3.15 0.00 | 61.81 3.68 0.00 | 74.53 3.52 0.00 | 53.53 2.23 0.00 | 53.95 2.92 0.00 | 52.61 2.69 0.00 | 54.24 2.75 0.00 | 46.13 2.18 0.00 | 44.10 1.86 0.00 |
| FREEPORT___CT2 23818 | 69.69 2.20 0.00 | 66.48 1.95 0.00 | 57.42 1.79 0.00 | 58.77 1.60 0.00 | 54.88 1.68 0.00 | 58.91 1.85 0.00 | 83.40 2.29 0.00 | 95.27 1.69 -22.97 | 87.69 1.47 -17.16 | 64.62 1.76 -9.64 | 46.37 1.75 0.00 | 40.41 1.72 0.00 | 34.75 2.05 0.00 | 40.71 2.49 0.00 | 41.72 2.71 0.00 | 47.39 3.15 0.00 | 61.81 3.68 0.00 | 74.53 3.52 0.00 | 53.53 2.23 0.00 | 53.95 2.92 0.00 | 52.61 2.69 0.00 | 54.24 2.75 0.00 | 46.13 2.18 0.00 | 44.10 1.86 0.00 |
| FRESHKLS_33_KV_LOAD 356253 | 69.35 1.85 0.00 | 66.40 1.87 0.00 | 57.35 1.72 0.00 | 58.64 1.46 0.00 | 54.63 1.42 0.00 | 58.74 1.68 0.00 | 83.82 2.71 0.00 | 95.87 2.29 -22.97 | 88.18 1.96 -17.16 | 64.58 1.73 -9.64 | 46.34 1.72 0.00 | 40.37 1.69 0.00 | 34.53 1.83 0.00 | 40.64 2.42 0.00 | 41.59 2.58 0.00 | 47.09 2.85 0.00 | 61.10 2.97 0.00 | 73.84 2.83 0.00 | 53.47 2.17 0.00 | 53.50 2.48 0.00 | 52.10 2.18 0.00 | 53.83 2.34 0.00 | 45.79 1.85 0.00 | 43.78 1.54 0.00 |
| FULTON COGEN____ 23766 | 64.89 -2.61 0.00 | 61.98 -2.55 0.00 | 53.39 -2.24 0.00 | 54.85 -2.32 0.00 | 51.11 -2.10 0.00 | 54.87 -2.19 0.00 | 78.03 -3.08 0.00 | 67.69 -2.92 0.00 | 66.18 -2.87 0.00 | 50.84 -2.38 0.00 | 42.55 -2.06 0.00 | 36.84 -1.84 0.00 | 31.09 -1.61 0.00 | 36.25 -1.97 0.00 | 36.96 -2.05 0.00 | 42.13 -2.11 0.00 | 55.69 -2.44 0.00 | 68.44 -2.57 0.00 | 49.57 -1.73 0.00 | 49.24 -1.78 0.00 | 48.11 -1.81 0.00 | 49.59 -1.91 0.00 | 42.31 -1.63 0.00 | 40.66 -1.59 0.00 |
| FULTON___LFGE 323630 | 70.60 3.10 0.00 | 67.47 2.94 0.00 | 58.10 2.47 0.00 | 59.69 2.51 0.00 | 55.57 2.37 0.00 | 59.69 2.63 0.00 | 85.00 3.89 0.00 | 389.36 3.71 -315.05 | 307.70 3.22 -235.43 | 187.09 1.70 -132.17 | 45.41 0.79 0.00 | 38.89 0.20 0.00 | 32.49 -0.21 0.00 | 37.78 -0.44 0.00 | 38.59 -0.42 0.00 | 43.94 -0.29 0.00 | 58.99 0.86 0.00 | 73.94 2.93 0.00 | 53.93 2.64 0.00 | 53.59 2.56 0.00 | 52.36 2.43 0.00 | 53.89 2.39 0.00 | 45.92 1.97 0.00 | 44.14 1.90 0.00 |
| G.F.CEMENT___DRP 24184 | 72.13 4.63 0.00 | 68.88 4.35 0.00 | 59.24 3.61 0.00 | 61.01 3.83 0.00 | 56.39 3.18 0.00 | 60.50 3.44 0.00 | 86.02 4.90 0.00 | 400.45 4.08 -325.76 | 316.21 3.73 -243.44 | 192.51 2.63 -136.67 | 46.44 1.82 0.00 | 39.91 1.22 0.00 | 33.55 0.85 0.00 | 39.06 0.84 0.00 | 40.06 1.05 0.00 | 45.71 1.47 0.00 | 60.93 2.79 0.00 | 74.64 3.63 0.00 | 53.80 2.50 0.00 | 53.73 2.70 0.00 | 52.49 2.57 0.00 | 54.10 2.61 0.00 | 45.92 1.98 0.00 | 44.00 1.76 0.00 |
| GARDENVILLE___LBMP 24039 | 64.77 -2.73 0.00 | 61.38 -3.15 0.00 | 52.58 -3.04 0.00 | 54.11 -3.07 0.00 | 50.56 -2.65 0.00 | 53.87 -3.19 0.00 | 75.47 -5.64 0.00 | 67.80 -3.65 -0.83 | 65.54 -3.75 -0.23 | 50.85 -2.73 -0.35 | 42.17 -2.44 0.00 | 36.23 -2.46 0.00 | 30.65 -2.05 0.00 | 36.04 -2.18 0.00 | 36.28 -2.73 0.00 | 40.85 -3.39 0.00 | 53.81 -4.33 0.00 | 66.56 -4.45 0.00 | 48.19 -3.11 0.00 | 47.32 -3.71 0.00 | 46.31 -3.61 0.00 | 47.66 -3.83 0.00 | 41.37 -2.57 0.00 | 40.39 -1.85 0.00 |
| GARDNVLA_35_KV_LD 355827 | 65.31 -2.19 0.00 | 61.85 -2.68 0.00 | 52.95 -2.68 0.00 | 54.47 -2.70 0.00 | 50.92 -2.29 0.00 | 54.31 -2.75 0.00 | 76.20 -4.91 0.00 | 68.91 -2.86 -1.15 | 66.38 -2.99 -0.32 | 51.61 -2.10 -0.49 | 42.70 -1.91 0.00 | 36.65 -2.03 0.00 | 31.00 -1.70 0.00 | 36.47 -1.75 0.00 | 36.71 -2.30 0.00 | 41.34 -2.89 0.00 | 54.49 -3.64 0.00 | 67.39 -3.63 0.00 | 48.77 -2.53 0.00 | 47.85 -3.17 0.00 | 46.81 -3.11 0.00 | 48.16 -3.34 0.00 | 41.77 -2.17 0.00 | 40.74 -1.50 0.00 |
| GELCKHM___115KV_LOAD 80723 | 65.83 -1.67 0.00 | 62.86 -1.67 0.00 | 54.17 -1.46 0.00 | 55.71 -1.47 0.00 | 51.83 -1.38 0.00 | 55.62 -1.44 0.00 | 79.05 -2.06 0.00 | 68.50 -2.11 0.00 | 66.95 -2.10 0.00 | 51.48 -1.74 0.00 | 43.14 -1.47 0.00 | 37.35 -1.33 0.00 | 31.54 -1.16 0.00 | 36.81 -1.42 0.00 | 37.52 -1.49 0.00 | 42.80 -1.44 0.00 | 56.56 -1.58 0.00 | 69.36 -1.66 0.00 | 50.20 -1.09 0.00 | 49.89 -1.14 0.00 | 48.74 -1.19 0.00 | 50.25 -1.25 0.00 | 42.90 -1.04 0.00 | 41.26 -0.98 0.00 |
| GENERAL___MILLS 23808 | 65.10 -2.40 0.00 | 61.68 -2.85 0.00 | 52.81 -2.82 0.00 | 54.33 -2.84 0.00 | 50.79 -2.42 0.00 | 54.15 -2.91 0.00 | 75.89 -5.23 0.00 | 68.57 -3.14 -1.11 | 66.07 -3.29 -0.31 | 51.34 -2.35 -0.47 | 42.48 -2.14 0.00 | 36.45 -2.23 0.00 | 30.84 -1.86 0.00 | 36.27 -1.95 0.00 | 36.51 -2.49 0.00 | 41.12 -3.12 0.00 | 54.18 -3.95 0.00 | 67.02 -3.99 0.00 | 48.51 -2.79 0.00 | 47.60 -3.43 0.00 | 46.59 -3.34 0.00 | 47.93 -3.57 0.00 | 41.59 -2.36 0.00 | 40.58 -1.66 0.00 |
| GE_PLASTICS___DRP 24183 | 68.94 1.44 0.00 | 66.03 1.49 0.00 | 56.90 1.28 0.00 | 58.50 1.32 0.00 | 54.42 1.21 0.00 | 58.32 1.26 0.00 | 82.94 1.83 0.00 | 213.82 1.43 -141.79 | 176.56 1.56 -105.95 | 113.85 1.15 -59.48 | 45.48 0.87 0.00 | 39.45 0.77 0.00 | 33.39 0.69 0.00 | 39.02 0.80 0.00 | 39.93 0.92 0.00 | 45.28 1.05 0.00 | 59.42 1.29 0.00 | 72.21 1.20 0.00 | 52.18 0.88 0.00 | 52.03 1.01 0.00 | 50.85 0.92 0.00 | 52.55 1.06 0.00 | 44.76 0.82 0.00 | 42.98 0.74 0.00 |
| GILBOA___1 23756 | 68.21 0.71 0.00 | 65.26 0.73 0.00 | 56.30 0.68 0.00 | 58.03 0.86 0.00 | 53.82 0.61 0.00 | 57.72 0.67 0.00 | 82.08 0.97 0.00 | 85.47 0.70 -14.15 | 80.52 0.89 -10.58 | 59.83 0.67 -5.94 | 45.34 0.72 0.00 | 39.50 0.82 0.00 | 33.50 0.80 0.00 | 39.19 0.97 0.00 | 40.07 1.06 0.00 | 45.39 1.16 0.00 | 59.10 0.97 0.00 | 71.77 0.76 0.00 | 51.84 0.54 0.00 | 51.68 0.65 0.00 | 50.57 0.64 0.00 | 52.24 0.75 0.00 | 44.52 0.57 0.00 | 42.72 0.48 0.00 |
| GILBOA___2 23757 | 68.21 0.71 0.00 | 65.26 0.73 0.00 | 56.30 0.68 0.00 | 58.03 0.86 0.00 | 53.82 0.61 0.00 | 57.72 0.67 0.00 | 82.08 0.97 0.00 | 85.47 0.70 -14.15 | 80.52 0.89 -10.58 | 59.83 0.67 -5.94 | 45.34 0.72 0.00 | 39.50 0.82 0.00 | 33.50 0.80 0.00 | 39.19 0.97 0.00 | 40.07 1.06 0.00 | 45.39 1.16 0.00 | 59.10 0.97 0.00 | 71.77 0.76 0.00 | 51.84 0.54 0.00 | 51.68 0.65 0.00 | 50.57 0.64 0.00 | 52.24 0.75 0.00 | 44.52 0.57 0.00 | 42.72 0.48 0.00 |
| GILBOA___3 23758 | 68.21 0.71 0.00 | 65.26 0.73 0.00 | 56.30 0.68 0.00 | 58.03 0.86 0.00 | 53.82 0.61 0.00 | 57.72 0.67 0.00 | 82.08 0.97 0.00 | 85.47 0.70 -14.15 | 80.52 0.89 -10.58 | 59.83 0.67 -5.94 | 45.34 0.72 0.00 | 39.50 0.82 0.00 | 33.50 0.80 0.00 | 39.19 0.97 0.00 | 40.07 1.06 0.00 | 45.39 1.16 0.00 | 59.10 0.97 0.00 | 71.77 0.76 0.00 | 51.84 0.54 0.00 | 51.68 0.65 0.00 | 50.57 0.64 0.00 | 52.24 0.75 0.00 | 44.52 0.57 0.00 | 42.72 0.48 0.00 |
| GILBOA___4 23759 | 68.21 0.71 0.00 | 65.26 0.73 0.00 | 56.30 0.68 0.00 | 58.03 0.86 0.00 | 53.82 0.61 0.00 | 57.72 0.67 0.00 | 82.08 0.97 0.00 | 85.47 0.70 -14.15 | 80.52 0.89 -10.58 | 59.83 0.67 -5.94 | 45.34 0.72 0.00 | 39.50 0.82 0.00 | 33.50 0.80 0.00 | 39.19 0.97 0.00 | 40.07 1.06 0.00 | 45.39 1.16 0.00 | 59.10 0.97 0.00 | 71.77 0.76 0.00 | 51.84 0.54 0.00 | 51.68 0.65 0.00 | 50.57 0.64 0.00 | 52.24 0.75 0.00 | 44.52 0.57 0.00 | 42.72 0.48 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GILBOA____ 23599 | 68.21 0.71 0.00 | 65.26 0.73 0.00 | 56.30 0.68 0.00 | 58.03 0.86 0.00 | 53.82 0.61 0.00 | 57.73 0.67 0.00 | 82.08 0.97 0.00 | 85.47 0.70 -14.15 | 80.52 0.89 -10.58 | 59.84 0.68 -5.94 | 45.34 0.72 0.00 | 39.50 0.82 0.00 | 33.51 0.80 0.00 | 39.19 0.97 0.00 | 40.07 1.06 0.00 | 45.39 1.16 0.00 | 59.10 0.97 0.00 | 71.77 0.76 0.00 | 51.84 0.54 0.00 | 51.68 0.65 0.00 | 50.57 0.64 0.00 | 52.24 0.75 0.00 | 44.52 0.57 0.00 | 42.72 0.48 0.00 |
| GINNA____ 23603 | 57.47 -4.93 5.11 | 57.11 -4.99 2.42 | 51.16 -4.47 0.00 | 52.60 -4.57 0.00 | 48.40 -4.09 0.72 | 51.31 -4.38 1.37 | 71.25 -6.43 3.43 | 62.11 -5.44 3.06 | 62.56 -5.57 0.92 | 45.53 -4.52 3.17 | 40.67 -3.94 0.00 | 35.08 -3.60 0.00 | 29.58 -3.12 0.00 | 34.61 -3.61 0.00 | 35.13 -3.88 0.00 | 40.04 -4.20 0.00 | 53.19 -4.94 0.00 | 65.70 -5.19 0.11 | 47.55 -3.62 0.12 | 47.18 -3.84 0.00 | 46.10 -3.83 0.00 | 47.43 -4.07 0.00 | 40.61 -3.33 0.00 | 39.20 -3.04 0.00 |
| GLEN PARK____ 23778 | 70.04 2.54 0.00 | 67.25 2.72 0.00 | 57.88 2.25 0.00 | 59.42 2.24 0.00 | 55.21 2.01 0.00 | 59.59 2.53 0.00 | 85.73 4.62 0.00 | 74.51 3.90 0.00 | 71.67 2.62 0.00 | 53.86 0.64 0.00 | 44.42 -0.19 0.00 | 38.28 -0.40 0.00 | 31.98 -0.72 0.00 | 37.27 -0.95 0.00 | 38.04 -0.97 0.00 | 43.43 -0.81 0.00 | 58.15 0.02 0.00 | 73.91 2.90 0.00 | 54.29 2.99 0.00 | 53.72 2.69 0.00 | 51.70 1.78 0.00 | 53.34 1.85 1.82 | 45.77 1.82 1.90 | 44.14 1.90 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 69.53 2.03 0.00 | 66.49 1.95 0.00 | 57.41 1.78 0.00 | 58.74 1.57 0.00 | 54.70 1.49 0.00 | 58.84 1.78 0.00 | 84.02 2.90 0.00 | 96.19 2.61 -22.97 | 88.86 2.64 -17.16 | 65.09 2.23 -9.64 | 46.78 2.16 0.00 | 40.75 2.07 0.00 | 34.86 2.15 0.00 | 40.95 2.72 0.00 | 41.93 2.92 0.00 | 47.48 3.24 0.00 | 61.72 3.59 0.00 | 74.59 3.58 0.00 | 53.84 2.54 0.00 | 53.76 2.74 0.00 | 52.42 2.50 0.00 | 54.13 2.64 0.00 | 46.01 2.07 0.00 | 43.97 1.72 0.00 |
| GLENWOOD_IC_1_G5 23712 | 69.55 2.05 0.00 | 66.44 1.91 0.00 | 57.38 1.75 0.00 | 58.76 1.58 0.00 | 54.79 1.58 0.00 | 58.80 1.74 0.00 | 83.14 2.03 0.00 | 95.25 1.67 -22.97 | 87.82 1.60 -17.16 | 64.56 1.70 -9.64 | 46.65 2.04 0.00 | 40.63 1.95 0.00 | 34.77 2.07 0.00 | 40.78 2.56 0.00 | 41.73 2.72 0.00 | 47.16 2.92 0.00 | 61.44 3.30 0.00 | 74.26 3.25 0.00 | 53.31 2.02 0.00 | 53.38 2.35 0.00 | 52.06 2.13 0.00 | 53.73 2.24 0.00 | 45.83 1.89 0.00 | 43.95 1.71 0.00 |
| GLENWOOD_IC_2_G1 23688 | 69.26 1.76 0.00 | 66.18 1.65 0.00 | 57.16 1.54 0.00 | 58.54 1.37 0.00 | 54.55 1.34 0.00 | 58.58 1.52 0.00 | 83.34 2.23 0.00 | 95.45 1.88 -22.97 | 88.07 1.85 -17.16 | 64.65 1.80 -9.64 | 46.44 1.83 0.00 | 40.46 1.78 0.00 | 34.61 1.91 0.00 | 40.61 2.39 0.00 | 41.56 2.55 0.00 | 47.06 2.83 0.00 | 61.30 3.17 0.00 | 74.12 3.11 0.00 | 53.39 2.10 0.00 | 53.42 2.39 0.00 | 52.10 2.18 0.00 | 53.77 2.28 0.00 | 45.74 1.80 0.00 | 43.76 1.52 0.00 |
| GLENWOOD_IC_3_G1 23689 | 69.26 1.76 0.00 | 66.18 1.65 0.00 | 57.16 1.54 0.00 | 58.54 1.37 0.00 | 54.55 1.34 0.00 | 58.58 1.52 0.00 | 83.34 2.23 0.00 | 95.45 1.88 -22.97 | 88.07 1.85 -17.16 | 64.65 1.80 -9.64 | 46.44 1.83 0.00 | 40.46 1.78 0.00 | 34.61 1.91 0.00 | 40.61 2.39 0.00 | 41.56 2.55 0.00 | 47.06 2.83 0.00 | 61.30 3.17 0.00 | 74.12 3.11 0.00 | 53.39 2.10 0.00 | 53.42 2.39 0.00 | 52.10 2.18 0.00 | 53.77 2.28 0.00 | 45.74 1.80 0.00 | 43.76 1.52 0.00 |
| GLENWOOD___4 23550 | 69.55 2.05 0.00 | 66.44 1.91 0.00 | 57.38 1.75 0.00 | 58.76 1.58 0.00 | 54.79 1.58 0.00 | 58.81 1.74 0.00 | 83.36 2.25 0.00 | 95.42 1.85 -22.97 | 87.98 1.77 -17.16 | 64.67 1.82 -9.64 | 46.65 2.04 0.00 | 40.63 1.95 0.00 | 34.77 2.07 0.00 | 40.78 2.56 0.00 | 41.73 2.73 0.00 | 47.21 2.97 0.00 | 61.49 3.36 0.00 | 74.35 3.34 0.00 | 53.44 2.14 0.00 | 53.50 2.48 0.00 | 52.17 2.24 0.00 | 53.85 2.36 0.00 | 45.88 1.93 0.00 | 43.95 1.71 0.00 |
| GLENWOOD___5 23614 | 69.55 2.05 0.00 | 66.44 1.91 0.00 | 57.38 1.75 0.00 | 58.76 1.58 0.00 | 54.79 1.58 0.00 | 58.81 1.74 0.00 | 83.36 2.25 0.00 | 95.42 1.85 -22.97 | 87.98 1.77 -17.16 | 64.67 1.82 -9.64 | 46.65 2.04 0.00 | 40.63 1.95 0.00 | 34.77 2.07 0.00 | 40.78 2.56 0.00 | 41.73 2.73 0.00 | 47.21 2.97 0.00 | 61.49 3.36 0.00 | 74.35 3.34 0.00 | 53.44 2.14 0.00 | 53.50 2.48 0.00 | 52.17 2.24 0.00 | 53.85 2.36 0.00 | 45.88 1.93 0.00 | 43.95 1.71 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 70.13 2.63 0.00 | 66.26 1.73 0.00 | 57.47 1.84 0.00 | 58.85 1.67 0.00 | 55.32 2.12 0.00 | 59.70 2.65 0.00 | 85.79 4.68 0.00 | 97.40 3.82 -22.97 | 88.89 2.68 -17.16 | 66.05 3.19 -9.64 | 47.87 3.26 0.00 | 41.74 3.06 0.00 | 35.80 3.09 0.00 | 41.71 3.49 0.00 | 42.80 3.79 0.00 | 48.54 4.30 0.00 | 63.87 5.74 0.00 | 77.17 6.16 0.00 | 55.36 4.06 0.00 | 56.01 4.99 0.00 | 54.90 4.96 -0.01 | 58.40 5.19 -1.72 | 48.15 4.21 0.00 | 45.86 3.61 0.00 |
| GLOBE___DSASP 323697 | 62.52 -4.98 0.00 | 59.13 -5.40 0.00 | 50.54 -5.09 0.00 | 51.92 -5.26 0.00 | 48.66 -4.55 0.00 | 51.69 -5.37 0.00 | 71.76 -9.35 0.00 | 63.16 -7.19 0.26 | 61.78 -7.24 0.03 | 47.78 -5.38 0.06 | 40.05 -4.56 0.00 | 34.48 -4.20 0.00 | 29.16 -3.54 0.00 | 34.29 -3.93 0.00 | 34.49 -4.52 0.00 | 38.79 -5.45 0.00 | 51.07 -7.06 0.00 | 63.10 -7.92 0.00 | 45.67 -5.63 0.00 | 44.94 -6.08 0.00 | 44.03 -5.89 0.00 | 45.29 -6.21 0.00 | 39.40 -4.54 0.00 | 38.80 -3.44 0.00 |
| GOETHSLN___LBMP 323567 | 68.73 1.23 0.00 | 65.74 1.21 0.00 | 56.80 1.17 0.00 | 58.13 0.95 0.00 | 54.15 0.94 0.00 | 58.17 1.11 0.00 | 83.02 1.91 0.00 | 95.30 1.73 -22.97 | 88.08 1.86 -17.16 | 64.48 1.63 -9.64 | 46.24 1.63 0.00 | 40.30 1.63 0.00 | 34.51 1.81 0.00 | 40.53 2.31 0.00 | 41.48 2.47 0.00 | 46.96 2.72 0.00 | 61.02 2.89 0.00 | 73.84 2.83 0.00 | 53.27 1.98 0.00 | 53.17 2.14 0.00 | 51.80 1.87 0.00 | 53.48 1.99 0.00 | 45.45 1.51 0.00 | 43.47 1.23 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 65.75 -1.76 0.00 | 62.53 -2.00 0.00 | 53.64 -1.99 0.00 | 55.15 -2.03 0.00 | 51.48 -1.73 0.00 | 55.06 -1.99 0.00 | 77.92 -3.19 0.00 | 68.28 -2.34 -0.02 | 66.57 -2.48 0.00 | 50.93 -2.30 0.00 | 42.34 -2.27 0.00 | 36.48 -2.21 0.00 | 30.78 -1.92 0.00 | 36.02 -2.20 0.00 | 36.49 -2.51 0.00 | 41.48 -2.75 0.00 | 55.15 -2.98 0.00 | 68.57 -2.44 0.00 | 49.84 -1.46 0.00 | 49.28 -1.75 0.00 | 48.16 -1.77 0.00 | 49.52 -1.98 0.00 | 42.54 -1.40 0.00 | 41.16 -1.08 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 68.73 1.23 0.00 | 65.67 1.14 0.00 | 56.63 1.00 0.00 | 58.26 1.09 0.00 | 54.18 0.97 0.00 | 58.18 1.12 0.00 | 82.79 1.68 0.00 | 167.15 1.41 -95.13 | 141.44 1.30 -71.09 | 93.98 0.85 -39.91 | 45.38 0.76 0.00 | 39.34 0.65 0.00 | 33.26 0.57 0.00 | 38.90 0.68 0.00 | 39.70 0.69 0.00 | 45.03 0.80 0.00 | 59.21 1.08 0.00 | 72.55 1.54 0.00 | 52.56 1.26 0.00 | 52.24 1.21 0.00 | 51.08 1.15 0.00 | 52.62 1.12 0.00 | 44.87 0.92 0.00 | 43.11 0.87 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 67.10 -0.41 0.00 | 64.04 -0.49 0.00 | 55.24 -0.39 0.00 | 56.88 -0.30 0.00 | 52.89 -0.32 0.00 | 56.73 -0.33 0.00 | 80.45 -0.67 0.00 | 82.12 -0.64 -12.15 | 77.45 -0.68 -9.08 | 57.77 -0.54 -5.10 | 44.30 -0.31 0.00 | 38.45 -0.23 0.00 | 32.57 -0.13 0.00 | 38.07 -0.14 0.00 | 38.78 -0.23 0.00 | 43.96 -0.28 0.00 | 57.62 -0.51 0.00 | 70.49 -0.52 0.00 | 51.09 -0.21 0.00 | 50.79 -0.23 0.00 | 49.68 -0.25 0.00 | 51.29 -0.21 0.00 | 43.83 -0.11 0.00 | 42.16 -0.08 0.00 |

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|---|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GOWANUS_GT4_5 24134 | 69.19 1.69 0.00 | 66.22 1.68 0.00 | 57.18 1.55 0.00 | 58.47 1.30 0.00 | 54.47 1.26 0.00 | 58.57 1.51 0.00 | 83.60 2.49 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.86 -9.64 | 46.51 1.89 0.00 | 40.53 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.35 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.11 2.19 0.00 | 53.83 2.34 0.00 | 45.78 1.83 0.00 | 43.78 1.54 0.00 |
| GOWANUS_GT4_6 24135 | 69.19 1.69 0.00 | 66.22 1.68 0.00 | 57.18 1.55 0.00 | 58.47 1.30 0.00 | 54.47 1.26 0.00 | 58.57 1.51 0.00 | 83.60 2.49 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.86 -9.64 | 46.51 1.89 0.00 | 40.53 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.35 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.11 2.19 0.00 | 53.83 2.34 0.00 | 45.78 1.83 0.00 | 43.78 1.54 0.00 |
| GOWANUS_GT4_7 24136 | 69.19 1.69 0.00 | 66.22 1.68 0.00 | 57.18 1.55 0.00 | 58.47 1.30 0.00 | 54.47 1.26 0.00 | 58.57 1.51 0.00 | 83.60 2.49 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.86 -9.64 | 46.51 1.89 0.00 | 40.53 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.35 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.11 2.19 0.00 | 53.83 2.34 0.00 | 45.78 1.83 0.00 | 43.78 1.54 0.00 |
| GOWANUS_GT4_8 24137 | 69.19 1.69 0.00 | 66.22 1.68 0.00 | 57.18 1.55 0.00 | 58.47 1.30 0.00 | 54.47 1.26 0.00 | 58.57 1.51 0.00 | 83.60 2.49 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.86 -9.64 | 46.51 1.89 0.00 | 40.53 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.35 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.11 2.19 0.00 | 53.83 2.34 0.00 | 45.78 1.83 0.00 | 43.78 1.54 0.00 |
| GREATVR_69_KV_BK1 356245 | 70.71 3.21 0.00 | 67.30 2.77 0.00 | 58.23 2.60 0.00 | 59.59 2.42 0.00 | 55.78 2.57 0.00 | 59.96 2.90 0.00 | 84.96 3.85 0.00 | 96.34 2.76 -22.97 | 88.34 2.12 -17.16 | 65.47 2.61 -9.64 | 47.41 2.80 0.00 | 41.33 2.65 0.00 | 35.41 2.71 0.00 | 41.36 3.14 0.00 | 42.46 3.45 0.00 | 48.14 3.91 0.00 | 62.97 4.84 0.00 | 75.97 4.96 0.00 | 54.45 3.15 0.00 | 54.96 3.93 0.00 | 53.72 3.79 -0.01 | 56.73 3.87 -1.37 | 47.06 3.11 0.00 | 44.94 2.70 0.00 |
| GREENBSH_115KV_TB3 55895 | 69.35 1.85 0.00 | 66.43 1.90 0.00 | 57.23 1.61 0.00 | 58.83 1.65 0.00 | 54.73 1.52 0.00 | 58.63 1.58 0.00 | 83.36 2.24 0.00 | 265.43 1.80 -193.02 | 215.26 1.97 -144.24 | 135.62 1.43 -80.97 | 45.68 1.06 0.00 | 39.59 0.91 0.00 | 33.48 0.78 0.00 | 39.11 0.89 0.00 | 40.04 1.03 0.00 | 45.44 1.20 0.00 | 59.68 1.55 0.00 | 72.45 1.44 0.00 | 52.35 1.05 0.00 | 52.23 1.20 0.00 | 51.04 1.12 0.00 | 52.77 1.28 0.00 | 44.93 0.99 0.00 | 43.15 0.91 0.00 |
| GREENDGE_115KV_TB5 80291 | 65.05 -2.45 0.00 | 62.17 -2.36 0.00 | 53.47 -2.16 0.00 | 55.12 -2.05 0.00 | 51.45 -1.76 0.00 | 55.25 -1.81 0.00 | 78.16 -2.96 0.00 | 75.37 -2.32 -7.08 | 71.83 -2.52 -5.29 | 54.15 -2.04 -2.97 | 43.17 -1.44 0.00 | 37.48 -1.20 0.00 | 31.59 -1.11 0.00 | 36.83 -1.39 0.00 | 37.27 -1.74 0.00 | 42.22 -2.01 0.00 | 55.59 -2.54 0.00 | 68.41 -2.60 0.00 | 50.18 -1.12 0.00 | 49.44 -1.58 0.00 | 48.30 -1.63 0.00 | 49.71 -1.79 0.00 | 43.00 -0.95 0.00 | 41.72 -0.53 0.00 |
| GREENIDGE__3 23582 | 65.05 -2.45 0.00 | 62.17 -2.36 0.00 | 53.47 -2.16 0.00 | 55.12 -2.05 0.00 | 51.45 -1.76 0.00 | 55.25 -1.81 0.00 | 78.16 -2.96 0.00 | 75.37 -2.32 -7.08 | 71.83 -2.52 -5.29 | 54.15 -2.04 -2.97 | 43.17 -1.44 0.00 | 37.48 -1.20 0.00 | 31.59 -1.11 0.00 | 36.83 -1.39 0.00 | 37.27 -1.74 0.00 | 42.22 -2.01 0.00 | 55.59 -2.54 0.00 | 68.41 -2.60 0.00 | 50.18 -1.12 0.00 | 49.44 -1.58 0.00 | 48.30 -1.63 0.00 | 49.71 -1.79 0.00 | 43.00 -0.95 0.00 | 41.72 -0.53 0.00 |
| GREENIDGE__4 23583 | 69.65 -2.44 -4.60 | 64.35 -2.36 -2.18 | 53.47 -2.16 0.00 | 55.12 -2.05 0.00 | 52.09 -1.76 -0.65 | 56.50 -1.79 -1.24 | 81.27 -2.94 -3.09 | 78.24 -2.32 -9.95 | 72.69 -2.51 -6.16 | 57.11 -2.05 -5.94 | 43.17 -1.44 0.00 | 37.49 -1.19 0.00 | 31.59 -1.11 0.00 | 36.83 -1.39 0.00 | 37.27 -1.75 0.00 | 42.22 -2.01 0.00 | 55.57 -2.56 0.00 | 68.53 -2.59 -0.12 | 50.31 -1.12 -0.13 | 49.45 -1.57 0.00 | 48.29 -1.63 0.00 | 49.71 -1.78 0.00 | 42.99 -0.96 0.00 | 41.71 -0.53 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 69.71 2.22 0.00 | 66.43 1.90 0.00 | 57.42 1.79 0.00 | 58.78 1.61 0.00 | 54.93 1.72 0.00 | 58.95 1.89 0.00 | 83.63 2.52 0.00 | 95.39 1.81 -22.97 | 87.71 1.50 -17.16 | 64.77 1.91 -9.64 | 46.72 2.10 0.00 | 40.71 2.03 0.00 | 34.86 2.16 0.00 | 40.82 2.60 0.00 | 41.83 2.82 0.00 | 47.43 3.20 0.00 | 61.88 3.75 0.00 | 74.66 3.65 0.00 | 53.56 2.26 0.00 | 53.86 2.83 0.00 | 52.52 2.60 0.01 | 52.65 2.68 1.53 | 46.11 2.17 0.00 | 44.15 1.91 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 69.19 1.69 0.00 | 66.22 1.68 0.00 | 57.18 1.55 0.00 | 58.47 1.30 0.00 | 54.47 1.26 0.00 | 58.57 1.51 0.00 | 83.60 2.49 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.86 -9.64 | 46.51 1.89 0.00 | 40.53 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.35 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.11 2.19 0.00 | 53.83 2.34 0.00 | 45.78 1.83 0.00 | 43.78 1.54 0.00 |
| GRISSOM__SOLAR 323813 | 70.65 3.15 0.00 | 67.52 2.99 0.00 | 58.13 2.50 0.00 | 59.75 2.58 0.00 | 55.59 2.39 0.00 | 59.69 2.63 0.00 | 85.02 3.91 0.00 | 394.47 3.75 -320.12 | 311.55 3.29 -239.21 | 189.22 1.70 -134.30 | 45.38 0.77 0.00 | 38.82 0.14 0.00 | 32.40 -0.31 0.00 | 37.69 -0.53 0.00 | 38.52 -0.49 0.00 | 43.88 -0.36 0.00 | 58.96 0.82 0.00 | 73.95 2.94 0.00 | 53.93 2.64 0.00 | 53.62 2.60 0.00 | 52.39 2.46 0.00 | 53.94 2.45 0.00 | 45.95 2.01 0.00 | 44.16 1.91 0.00 |
| GROVEVILLE__HYD 323602 | 69.43 1.93 0.00 | 66.41 1.88 0.00 | 57.34 1.71 0.00 | 58.81 1.63 0.00 | 54.73 1.52 0.00 | 58.78 1.72 0.00 | 83.80 2.69 0.00 | 97.11 2.37 -24.13 | 89.55 2.47 -18.03 | 65.32 1.98 -10.12 | 46.35 1.74 0.00 | 40.32 1.64 0.00 | 34.36 1.66 0.00 | 40.23 2.01 0.00 | 41.18 2.17 0.00 | 46.67 2.43 0.00 | 60.98 2.84 0.00 | 74.01 3.00 0.00 | 53.48 2.19 0.00 | 53.40 2.37 0.00 | 52.08 2.15 0.00 | 53.75 2.26 0.00 | 45.68 1.73 0.00 | 43.71 1.47 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 66.33 -1.17 0.00 | 63.33 -1.20 0.00 | 54.57 -1.06 0.00 | 56.13 -1.05 0.00 | 52.18 -1.03 0.00 | 56.02 -1.04 0.00 | 79.64 -1.47 0.00 | 69.06 -1.55 0.00 | 67.49 -1.56 0.00 | 51.88 -1.34 0.00 | 43.46 -1.15 0.00 | 37.62 -1.06 0.00 | 31.75 -0.96 0.00 | 37.04 -1.18 0.00 | 37.75 -1.26 0.00 | 43.05 -1.19 0.00 | 56.90 -1.23 0.00 | 69.85 -1.16 0.00 | 50.59 -0.70 0.00 | 50.30 -0.73 0.00 | 49.11 -0.82 0.00 | 50.64 -0.85 0.00 | 43.24 -0.71 0.00 | 41.57 -0.67 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 66.49 -1.02 0.00 | 63.44 -1.09 0.00 | 54.66 -0.97 0.00 | 56.21 -0.96 0.00 | 52.28 -0.93 0.00 | 56.13 -0.93 0.00 | 79.77 -1.35 0.00 | 69.27 -1.34 0.00 | 67.64 -1.41 0.00 | 51.97 -1.25 0.00 | 43.53 -1.09 0.00 | 37.63 -1.05 0.00 | 31.69 -1.01 0.00 | 36.98 -1.24 0.00 | 37.67 -1.35 0.00 | 42.93 -1.31 0.00 | 56.82 -1.31 0.00 | 69.91 -1.10 0.00 | 50.70 -0.60 0.00 | 50.39 -0.63 0.00 | 49.20 -0.72 0.00 | 50.74 -0.75 0.00 | 43.35 -0.59 0.00 | 41.69 -0.55 0.00 |

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| HAMPSHIRE___PAPER_HYD 323593 | 69.76 2.26 0.00 | 66.84 2.32 0.00 | 57.61 1.98 0.00 | 59.15 1.98 0.00 | 55.01 1.80 0.00 | 59.13 2.07 0.00 | 84.48 3.37 0.00 | 73.43 2.82 0.00 | 71.01 1.96 0.00 | 54.14 0.93 0.00 | 45.18 0.57 0.00 | 39.06 0.38 0.00 | 32.76 0.06 0.00 | 38.26 0.04 0.00 | 38.96 -0.05 0.00 | 44.32 0.08 0.00 | 58.66 0.52 0.00 | 72.79 1.78 0.00 | 52.91 1.62 0.00 | 52.39 1.36 0.00 | 50.94 1.02 0.00 | 52.51 1.02 0.00 | 45.10 1.16 0.00 | 43.64 1.40 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 69.66 2.16 0.00 | 66.51 1.98 0.00 | 57.32 1.69 0.00 | 58.99 1.82 0.00 | 54.74 1.54 0.00 | 58.80 1.74 0.00 | 83.70 2.59 0.00 | 73.01 2.40 0.00 | 71.34 2.30 0.00 | 54.63 1.41 0.00 | 45.28 0.67 0.00 | 39.09 0.41 0.00 | 32.87 0.17 0.00 | 38.33 0.11 0.00 | 39.28 0.27 0.00 | 44.74 0.50 0.00 | 59.32 1.19 0.00 | 72.84 1.83 0.00 | 52.80 1.51 0.00 | 52.77 1.75 0.00 | 51.55 1.63 0.00 | 53.43 1.93 0.00 | 45.42 1.47 0.00 | 43.45 1.21 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 68.73 1.23 0.00 | 65.75 1.22 0.00 | 56.75 1.13 0.00 | 58.20 1.02 0.00 | 54.18 0.98 0.00 | 58.16 1.10 0.00 | 82.92 1.81 0.00 | 93.92 1.63 -21.68 | 86.97 1.72 -16.20 | 63.77 1.46 -9.09 | 46.01 1.40 0.00 | 40.10 1.42 0.00 | 34.21 1.52 0.00 | 40.09 1.87 0.00 | 41.00 2.00 0.00 | 46.49 2.25 0.00 | 60.64 2.51 0.00 | 73.51 2.51 0.00 | 53.11 1.81 0.00 | 52.99 1.96 0.00 | 51.67 1.75 0.00 | 53.34 1.85 0.00 | 45.35 1.41 0.00 | 43.42 1.17 0.00 |
| HARSNRAD_115KV_TB1 81005 | 63.57 -3.94 0.00 | 60.39 -4.14 0.00 | 51.69 -3.93 0.00 | 53.18 -3.99 0.00 | 49.72 -3.48 0.00 | 52.92 -4.14 0.00 | 73.96 -7.16 0.00 | 65.50 -5.24 -0.13 | 63.77 -5.32 -0.04 | 49.33 -3.95 -0.06 | 40.73 -3.88 0.00 | 35.02 -3.66 0.00 | 29.75 -2.95 0.00 | 34.97 -3.25 0.00 | 41.00 -4.01 0.00 | 46.49 -4.85 0.00 | 51.98 -6.15 0.00 | 64.46 -6.56 0.00 | 46.74 -4.56 0.00 | 45.96 -5.07 0.00 | 45.02 -4.91 0.00 | 46.29 -5.20 0.00 | 40.30 -3.64 0.00 | 39.48 -2.76 0.00 |
| HARZA MOOSE___RIVER 24016 | 69.64 2.14 0.00 | 66.66 2.13 0.00 | 57.44 1.81 0.00 | 59.00 1.83 0.00 | 54.82 1.61 0.00 | 59.00 1.94 0.00 | 84.42 3.31 0.00 | 73.48 2.87 0.00 | 71.39 2.34 0.00 | 54.39 1.17 0.00 | 45.30 0.69 0.00 | 39.13 0.45 0.00 | 32.87 0.17 0.00 | 38.31 0.10 0.00 | 39.10 0.09 0.00 | 44.50 0.26 0.00 | 58.99 0.87 0.00 | 73.30 2.29 0.00 | 53.32 2.02 0.00 | 52.89 1.86 0.00 | 51.32 1.39 0.00 | 52.95 1.45 0.00 | 45.32 1.38 0.00 | 43.66 1.42 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 65.94 -1.56 0.00 | 62.94 -1.59 0.00 | 54.23 -1.40 0.00 | 55.77 -1.41 0.00 | 51.91 -1.30 0.00 | 55.71 -1.35 0.00 | 79.17 -1.95 0.00 | 68.62 -1.99 0.00 | 67.08 -1.97 0.00 | 51.60 -1.62 0.00 | 43.24 -1.38 0.00 | 37.43 -1.25 0.00 | 31.62 -1.08 0.00 | 36.91 -1.31 0.00 | 37.61 -1.40 0.00 | 42.91 -1.33 0.00 | 56.67 -1.46 0.00 | 69.48 -1.53 0.00 | 50.30 -1.00 0.00 | 49.97 -1.06 0.00 | 48.83 -1.10 0.00 | 50.34 -1.15 0.00 | 42.97 -0.98 0.00 | 41.32 -0.92 0.00 |
| HELLGATE_13_KV_LD 55870 | 69.67 2.17 0.00 | 66.65 2.12 0.00 | 57.55 1.92 0.00 | 58.88 1.71 0.00 | 54.85 1.65 0.00 | 58.99 1.93 0.00 | 84.24 3.13 0.00 | 96.41 2.84 -22.97 | 89.06 2.85 -17.16 | 65.24 2.38 -9.64 | 46.89 2.28 0.00 | 40.87 2.19 0.00 | 34.95 2.25 0.00 | 41.04 2.82 0.00 | 42.03 3.02 0.00 | 47.60 3.36 0.00 | 61.86 3.73 0.00 | 74.74 3.73 0.00 | 53.97 2.67 0.00 | 53.90 2.88 0.00 | 52.54 2.62 0.00 | 54.26 2.77 0.00 | 46.11 2.17 0.00 | 44.06 1.82 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 69.67 2.17 0.00 | 66.65 2.12 0.00 | 57.55 1.92 0.00 | 58.88 1.71 0.00 | 54.85 1.65 0.00 | 58.99 1.93 0.00 | 84.24 3.13 0.00 | 96.41 2.84 -22.97 | 89.06 2.85 -17.16 | 65.24 2.38 -9.64 | 46.89 2.28 0.00 | 40.87 2.19 0.00 | 34.95 2.25 0.00 | 41.04 2.82 0.00 | 42.03 3.02 0.00 | 47.60 3.36 0.00 | 61.86 3.73 0.00 | 74.74 3.73 0.00 | 53.97 2.67 0.00 | 53.90 2.88 0.00 | 52.54 2.62 0.00 | 54.26 2.77 0.00 | 46.11 2.17 0.00 | 44.06 1.82 0.00 |
| HEMPSTEAD___ 23647 | 69.27 1.77 0.00 | 66.11 1.58 0.00 | 57.11 1.49 0.00 | 58.48 1.31 0.00 | 54.61 1.41 0.00 | 58.60 1.54 0.00 | 83.08 1.97 0.00 | 95.09 1.51 -22.97 | 87.58 1.36 -17.16 | 64.49 1.63 -9.64 | 46.40 1.78 0.00 | 40.41 1.73 0.00 | 34.63 1.93 0.00 | 40.60 2.38 0.00 | 41.58 2.57 0.00 | 47.11 2.87 0.00 | 61.40 3.27 0.00 | 74.16 3.15 0.00 | 53.27 1.97 0.00 | 53.49 2.47 0.00 | 52.17 2.24 0.00 | 53.81 2.32 0.00 | 45.79 1.84 0.00 | 43.81 1.57 0.00 |
| HICKLING___1 23621 | 65.61 -1.89 0.00 | 62.70 -1.83 0.00 | 54.09 -1.53 0.00 | 55.82 -1.35 0.00 | 51.97 -1.24 0.00 | 55.70 -1.35 0.00 | 78.55 -2.56 0.00 | 77.46 -2.04 -8.89 | 73.51 -2.18 -6.64 | 55.29 -1.66 -3.73 | 43.54 -1.08 0.00 | 37.80 -0.88 0.00 | 32.07 -0.63 0.00 | 37.56 -0.66 0.00 | 38.14 -0.87 0.00 | 43.04 -1.20 0.00 | 56.19 -1.95 0.00 | 68.84 -2.17 0.00 | 49.98 -1.32 0.00 | 49.51 -1.52 0.00 | 48.45 -1.47 0.00 | 50.09 -1.40 0.00 | 43.06 -0.89 0.00 | 41.65 -0.59 0.00 |
| HICKLING___2 23622 | 65.61 -1.89 0.00 | 62.70 -1.83 0.00 | 54.09 -1.53 0.00 | 55.82 -1.35 0.00 | 51.97 -1.24 0.00 | 55.70 -1.35 0.00 | 78.55 -2.56 0.00 | 77.46 -2.04 -8.89 | 73.51 -2.18 -6.64 | 55.29 -1.66 -3.73 | 43.54 -1.08 0.00 | 37.80 -0.88 0.00 | 32.07 -0.63 0.00 | 37.56 -0.66 0.00 | 38.14 -0.87 0.00 | 43.04 -1.20 0.00 | 56.19 -1.95 0.00 | 68.84 -2.17 0.00 | 49.98 -1.32 0.00 | 49.51 -1.52 0.00 | 48.45 -1.47 0.00 | 50.09 -1.40 0.00 | 43.06 -0.89 0.00 | 41.65 -0.59 0.00 |
| HIGH FALLS___HY 23754 | 69.57 2.07 0.00 | 66.59 2.06 0.00 | 57.49 1.86 0.00 | 59.00 1.83 0.00 | 54.94 1.73 0.00 | 59.01 1.95 0.00 | 84.15 3.04 0.00 | 112.56 2.66 -39.29 | 101.22 2.81 -29.36 | 71.95 2.25 -16.48 | 46.61 2.00 0.00 | 40.54 1.86 0.00 | 34.50 1.80 0.00 | 40.21 1.99 0.00 | 41.03 2.03 0.00 | 46.56 2.33 0.00 | 60.96 2.83 0.00 | 74.27 3.26 0.00 | 53.77 2.47 0.00 | 53.66 2.63 0.00 | 52.34 2.41 0.00 | 53.98 2.49 0.00 | 45.82 1.88 0.00 | 43.91 1.67 0.00 |
| HIGH_RIVER___SOLAR 323847 | 69.90 2.40 0.00 | 66.85 2.32 0.00 | 57.59 1.96 0.00 | 59.15 1.98 0.00 | 54.85 1.64 0.00 | 58.84 1.78 0.00 | 83.73 2.62 0.00 | 411.53 2.59 -338.34 | 324.24 2.36 -252.83 | 196.53 1.37 -141.94 | 45.27 0.66 0.00 | 39.00 0.32 0.00 | 32.64 -0.06 0.00 | 37.98 -0.23 0.00 | 38.84 -0.17 0.00 | 44.28 0.05 0.00 | 59.01 0.88 0.00 | 73.05 2.04 0.00 | 53.02 1.72 0.00 | 52.77 1.75 0.00 | 51.58 1.65 0.00 | 53.18 1.69 0.00 | 45.29 1.35 0.00 | 43.51 1.27 0.00 |
| HILLBURN___GT 23639 | 68.31 0.81 0.00 | 65.35 0.81 0.00 | 56.43 0.80 0.00 | 57.83 0.66 0.00 | 53.85 0.64 0.00 | 57.79 0.73 0.00 | 82.39 1.28 0.00 | 93.75 1.19 -21.95 | 86.75 1.30 -16.40 | 63.62 1.19 -9.21 | 45.88 1.26 0.00 | 40.01 1.33 0.00 | 34.21 1.51 0.00 | 40.14 1.92 0.00 | 41.06 2.06 0.00 | 46.49 2.25 0.00 | 60.51 2.37 0.00 | 73.19 2.18 0.00 | 52.84 1.54 0.00 | 52.72 1.70 0.00 | 51.40 1.47 0.00 | 53.10 1.61 0.00 | 45.15 1.20 0.00 | 43.22 0.98 0.00 |
| HILLSIDE_115KV_TB1 80332 | 64.82 -2.68 0.00 | 61.88 -2.64 0.00 | 53.45 -2.18 0.00 | 55.14 -2.04 0.00 | 51.25 -1.96 0.00 | 54.95 -2.11 0.00 | 77.45 -3.67 0.00 | 76.68 -3.14 -9.21 | 72.73 -3.20 -6.89 | 54.68 -2.41 -3.87 | 43.02 -1.59 0.00 | 37.50 -1.18 0.00 | 31.91 -0.79 0.00 | 37.45 -0.77 0.00 | 38.10 -0.91 0.00 | 42.93 -1.30 0.00 | 55.73 -2.40 0.00 | 67.90 -3.11 0.00 | 49.31 -1.99 0.00 | 48.97 -2.06 0.00 | 47.99 -1.94 0.00 | 49.62 -1.87 0.00 | 42.60 -1.35 0.00 | 41.09 -1.16 0.00 |

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| HISHELDN_WT_PWR 323625 | 54.65 -3.01 9.83 | 56.65 -3.21 4.67 | 52.59 -3.04 0.00 | 54.20 -2.98 0.00 | 49.25 -2.57 1.38 | 51.39 -3.03 2.64 | 69.23 -5.35 6.54 | 62.36 -3.61 4.63 | 63.84 -3.79 1.42 | 45.24 -2.83 5.14 | 42.08 -2.54 0.00 | 36.17 -2.51 0.00 | 30.55 -2.15 0.00 | 35.88 -2.34 0.00 | 36.16 -2.85 0.00 | 40.74 -3.50 0.00 | 53.71 -4.42 0.00 | 66.37 -4.45 0.19 | 48.01 -3.07 0.21 | 47.41 -3.62 0.00 | 46.35 -3.58 0.00 | 47.78 -3.71 0.00 | 41.42 -2.53 0.00 | 40.45 -1.79 0.00 |
| HOLTSVILLE_IC_1 23690 | 69.92 2.42 0.00 | 66.46 1.94 0.00 | 57.52 1.89 0.00 | 58.87 1.70 0.00 | 55.14 1.93 0.00 | 59.24 2.18 0.00 | 84.06 2.94 0.00 | 95.60 2.02 -22.97 | 87.59 1.38 -17.16 | 64.85 1.99 -9.64 | 46.84 2.22 0.00 | 40.83 2.15 0.00 | 35.01 2.30 0.00 | 40.89 2.67 0.00 | 41.97 2.96 0.00 | 47.55 3.31 0.00 | 62.20 4.07 0.00 | 75.04 4.03 0.00 | 53.79 2.49 0.00 | 54.22 3.19 0.00 | 53.02 3.09 -0.01 | 56.51 3.21 -1.81 | 46.52 2.58 0.00 | 44.43 2.19 0.00 |
| HOLTSVILLE_IC_10 23699 | 70.24 2.74 0.00 | 66.72 2.19 0.00 | 57.75 2.12 0.00 | 59.11 1.93 0.00 | 55.37 2.16 0.00 | 59.52 2.46 0.00 | 84.49 3.38 0.00 | 95.97 2.39 -22.97 | 87.86 1.64 -17.16 | 65.08 2.23 -9.64 | 47.01 2.39 0.00 | 41.01 2.32 0.00 | 35.16 2.46 0.00 | 41.05 2.83 0.00 | 42.15 3.14 0.00 | 47.75 3.51 0.00 | 62.51 4.38 0.00 | 75.48 4.47 0.00 | 54.10 2.81 0.00 | 54.57 3.54 0.00 | 53.36 3.42 -0.01 | 56.55 3.57 -1.49 | 46.81 2.87 0.00 | 44.68 2.43 0.00 |
| HOLTSVILLE_IC_2 23691 | 69.92 2.42 0.00 | 66.46 1.94 0.00 | 57.52 1.89 0.00 | 58.87 1.70 0.00 | 55.14 1.93 0.00 | 59.24 2.18 0.00 | 84.06 2.94 0.00 | 95.60 2.02 -22.97 | 87.59 1.38 -17.16 | 64.85 1.99 -9.64 | 46.84 2.22 0.00 | 40.83 2.15 0.00 | 35.01 2.30 0.00 | 40.89 2.67 0.00 | 41.97 2.96 0.00 | 47.55 3.31 0.00 | 62.20 4.07 0.00 | 75.04 4.03 0.00 | 53.79 2.49 0.00 | 54.22 3.19 0.00 | 53.02 3.09 -0.01 | 56.51 3.21 -1.81 | 46.52 2.58 0.00 | 44.43 2.19 0.00 |
| HOLTSVILLE_IC_3 23692 | 69.92 2.42 0.00 | 66.46 1.94 0.00 | 57.52 1.89 0.00 | 58.87 1.70 0.00 | 55.14 1.93 0.00 | 59.24 2.18 0.00 | 84.06 2.94 0.00 | 95.60 2.02 -22.97 | 87.59 1.38 -17.16 | 64.85 1.99 -9.64 | 46.84 2.22 0.00 | 40.83 2.15 0.00 | 35.01 2.30 0.00 | 40.89 2.67 0.00 | 41.97 2.96 0.00 | 47.55 3.31 0.00 | 62.20 4.07 0.00 | 75.04 4.03 0.00 | 53.79 2.49 0.00 | 54.22 3.19 0.00 | 53.02 3.09 -0.01 | 56.51 3.21 -1.81 | 46.52 2.58 0.00 | 44.43 2.19 0.00 |
| HOLTSVILLE_IC_4 23693 | 69.92 2.42 0.00 | 66.46 1.94 0.00 | 57.52 1.89 0.00 | 58.87 1.70 0.00 | 55.14 1.93 0.00 | 59.24 2.18 0.00 | 84.06 2.94 0.00 | 95.60 2.02 -22.97 | 87.59 1.38 -17.16 | 64.85 1.99 -9.64 | 46.84 2.22 0.00 | 40.83 2.15 0.00 | 35.01 2.30 0.00 | 40.89 2.67 0.00 | 41.97 2.96 0.00 | 47.55 3.31 0.00 | 62.20 4.07 0.00 | 75.04 4.03 0.00 | 53.79 2.49 0.00 | 54.22 3.19 0.00 | 53.02 3.09 -0.01 | 56.51 3.21 -1.81 | 46.52 2.58 0.00 | 44.43 2.19 0.00 |
| HOLTSVILLE_IC_5 23694 | 69.92 2.42 0.00 | 66.46 1.94 0.00 | 57.52 1.89 0.00 | 58.87 1.70 0.00 | 55.14 1.93 0.00 | 59.24 2.18 0.00 | 84.06 2.94 0.00 | 95.60 2.02 -22.97 | 87.59 1.38 -17.16 | 64.85 1.99 -9.64 | 46.84 2.22 0.00 | 40.83 2.15 0.00 | 35.01 2.30 0.00 | 40.89 2.67 0.00 | 41.97 2.96 0.00 | 47.55 3.31 0.00 | 62.20 4.07 0.00 | 75.04 4.03 0.00 | 53.79 2.49 0.00 | 54.22 3.19 0.00 | 53.02 3.09 -0.01 | 56.51 3.21 -1.81 | 46.52 2.58 0.00 | 44.43 2.19 0.00 |
| HOLTSVILLE_IC_6 23695 | 70.24 2.74 0.00 | 66.72 2.19 0.00 | 57.75 2.12 0.00 | 59.11 1.93 0.00 | 55.37 2.16 0.00 | 59.52 2.46 0.00 | 84.49 3.38 0.00 | 95.97 2.39 -22.97 | 87.86 1.64 -17.16 | 65.08 2.23 -9.64 | 47.01 2.39 0.00 | 41.01 2.32 0.00 | 35.16 2.46 0.00 | 41.05 2.83 0.00 | 42.15 3.14 0.00 | 47.75 3.51 0.00 | 62.51 4.38 0.00 | 75.48 4.47 0.00 | 54.10 2.81 0.00 | 54.57 3.54 0.00 | 53.36 3.42 -0.01 | 56.55 3.57 -1.49 | 46.81 2.87 0.00 | 44.68 2.43 0.00 |
| HOLTSVILLE_IC_7 23696 | 70.24 2.74 0.00 | 66.72 2.19 0.00 | 57.75 2.12 0.00 | 59.11 1.93 0.00 | 55.37 2.16 0.00 | 59.52 2.46 0.00 | 84.49 3.38 0.00 | 95.97 2.39 -22.97 | 87.86 1.64 -17.16 | 65.08 2.23 -9.64 | 47.01 2.39 0.00 | 41.01 2.32 0.00 | 35.16 2.46 0.00 | 41.05 2.83 0.00 | 42.15 3.14 0.00 | 47.75 3.51 0.00 | 62.51 4.38 0.00 | 75.48 4.47 0.00 | 54.10 2.81 0.00 | 54.57 3.54 0.00 | 53.36 3.42 -0.01 | 56.55 3.57 -1.49 | 46.81 2.87 0.00 | 44.68 2.43 0.00 |
| HOLTSVILLE_IC_8 23697 | 70.24 2.74 0.00 | 66.72 2.19 0.00 | 57.75 2.12 0.00 | 59.11 1.93 0.00 | 55.37 2.16 0.00 | 59.52 2.46 0.00 | 84.49 3.38 0.00 | 95.97 2.39 -22.97 | 87.86 1.64 -17.16 | 65.08 2.23 -9.64 | 47.01 2.39 0.00 | 41.01 2.32 0.00 | 35.16 2.46 0.00 | 41.05 2.83 0.00 | 42.15 3.14 0.00 | 47.75 3.51 0.00 | 62.51 4.38 0.00 | 75.48 4.47 0.00 | 54.10 2.81 0.00 | 54.57 3.54 0.00 | 53.36 3.42 -0.01 | 56.55 3.57 -1.49 | 46.81 2.87 0.00 | 44.68 2.43 0.00 |
| HOLTSVILLE_IC_9 23698 | 70.24 2.74 0.00 | 66.72 2.19 0.00 | 57.75 2.12 0.00 | 59.11 1.93 0.00 | 55.37 2.16 0.00 | 59.52 2.46 0.00 | 84.49 3.38 0.00 | 95.97 2.39 -22.97 | 87.86 1.64 -17.16 | 65.08 2.23 -9.64 | 47.01 2.39 0.00 | 41.01 2.32 0.00 | 35.16 2.46 0.00 | 41.05 2.83 0.00 | 42.15 3.14 0.00 | 47.75 3.51 0.00 | 62.51 4.38 0.00 | 75.48 4.47 0.00 | 54.10 2.81 0.00 | 54.57 3.54 0.00 | 53.36 3.42 -0.01 | 56.55 3.57 -1.49 | 46.81 2.87 0.00 | 44.68 2.43 0.00 |
| HOMER_HL_115KV_TB2 355744 | 67.03 -0.47 0.00 | 63.75 -0.78 0.00 | 54.58 -1.05 0.00 | 56.23 -0.95 0.00 | 52.52 -0.69 0.00 | 56.08 -0.98 0.00 | 79.14 -1.97 0.00 | 73.87 1.84 -1.43 | 71.05 1.59 -0.41 | 55.21 1.38 -0.61 | 45.13 0.52 0.00 | 38.43 -0.25 0.00 | 32.44 -0.27 0.00 | 38.16 -0.06 0.00 | 38.46 -0.55 0.00 | 43.21 -1.03 0.00 | 57.14 -0.99 0.00 | 70.95 -0.07 0.00 | 51.04 -0.25 0.00 | 49.48 -1.55 0.00 | 48.42 -1.51 0.00 | 50.02 -1.48 0.00 | 43.15 -0.79 0.00 | 41.87 -0.37 0.00 |
| HOWARD_WT_PWR 323690 | 69.59 -2.49 -4.59 | 64.85 -1.85 -2.18 | 53.93 -1.70 0.00 | 55.87 -1.31 0.00 | 52.97 -0.88 -0.64 | 57.26 -1.03 -1.23 | 82.05 -2.17 -3.10 | 80.13 -1.23 -10.75 | 74.17 -1.51 -6.63 | 58.35 -1.22 -6.36 | 43.55 -1.07 0.00 | 37.36 -1.32 0.00 | 31.42 -1.28 0.00 | 36.69 -1.53 0.00 | 37.08 -1.93 0.00 | 41.85 -2.39 0.00 | 55.36 -2.77 0.00 | 68.75 -2.38 -0.12 | 49.76 -1.66 -0.13 | 48.75 -2.27 0.00 | 47.55 -2.38 0.00 | 49.11 -2.38 0.00 | 42.78 -1.17 0.00 | 41.79 -0.46 0.00 |
| HQ_GEN_CEDARS 23644 | 69.42 1.92 0.00 | 66.40 1.87 0.00 | 57.25 1.62 0.00 | 58.79 1.61 0.00 | 54.75 1.54 0.00 | 58.69 1.63 0.00 | 83.36 2.25 0.00 | 72.46 1.85 0.00 | 70.48 1.43 0.00 | 54.38 1.17 0.00 | 45.67 1.06 0.00 | 39.57 0.89 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.64 0.63 0.00 | 44.97 0.74 0.00 | 59.20 1.07 0.00 | 72.59 1.58 0.00 | 52.42 1.13 0.00 | 51.96 0.93 0.00 | 51.02 1.09 0.00 | 52.47 0.97 0.00 | 44.94 1.00 0.00 | 43.36 1.12 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 69.42 1.92 0.00 | 66.40 1.87 0.00 | 57.25 1.62 0.00 | 58.79 1.61 0.00 | 54.75 1.54 0.00 | 58.68 1.62 0.00 | 83.36 2.25 0.00 | 72.46 1.85 0.00 | 70.48 1.42 0.00 | 54.39 1.17 0.00 | 45.67 1.06 0.00 | 39.57 0.88 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.63 0.63 0.00 | 44.98 0.74 0.00 | 59.20 1.07 0.00 | 72.59 1.58 0.00 | 52.42 1.13 0.00 | 51.95 0.93 0.00 | 51.02 1.09 0.00 | 52.47 0.97 0.00 | 44.94 1.00 0.00 | 43.36 1.12 0.00 |

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| HQ_GEN_CHPE_PROXY 323851 | 68.84 1.34 0.00 | 65.85 1.32 0.00 | 56.95 1.32 0.00 | 58.28 1.11 0.00 | 54.27 1.06 0.00 | 58.34 1.28 0.00 | 83.24 2.13 0.00 | 95.38 1.80 -22.97 | 88.11 1.90 -17.16 | 64.53 1.68 -9.64 | 46.37 1.69 -0.07 | 40.35 1.67 0.00 | 34.64 1.85 -0.10 | 40.55 2.33 0.00 | 41.51 2.50 0.00 | 47.01 2.77 0.00 | 61.13 3.00 0.00 | 59.30 2.92 14.63 | 53.34 2.04 0.00 | 53.24 2.22 0.00 | 51.90 1.97 0.00 | 53.59 2.10 0.00 | 45.55 1.60 0.00 | 43.55 1.31 0.00 |
| HQ_GEN_IMPORT 323601 | 68.35 0.85 0.00 | 65.35 0.82 0.00 | 56.35 0.72 0.00 | 57.87 0.69 0.00 | 53.87 0.66 0.00 | 57.74 0.69 0.00 | 82.01 0.89 0.00 | 71.34 0.73 0.00 | 69.67 0.62 0.00 | 53.81 0.59 0.00 | 45.14 0.53 0.00 | 39.10 0.42 0.00 | 32.99 0.29 0.00 | 38.57 0.35 0.00 | 39.32 0.31 0.00 | 44.61 0.37 0.00 | 58.69 0.56 0.00 | 57.16 0.78 14.63 | 51.81 0.51 0.00 | 51.46 0.44 0.00 | 50.49 0.56 0.00 | 52.00 0.50 0.00 | 44.40 0.46 0.00 | 42.74 0.49 0.00 |
| HQ_GEN_WHEEL 23651 | 68.35 0.85 0.00 | 65.35 0.82 0.00 | 56.35 0.72 0.00 | 57.87 0.69 0.00 | 53.87 0.66 0.00 | 57.74 0.69 0.00 | 82.01 0.89 0.00 | 71.34 0.73 0.00 | 69.67 0.62 0.00 | 53.81 0.59 0.00 | 45.14 0.53 0.00 | 39.10 0.42 0.00 | 32.99 0.29 0.00 | 38.57 0.35 0.00 | 39.32 0.31 0.00 | 44.61 0.37 0.00 | 58.69 0.56 0.00 | 57.16 0.78 14.63 | 51.81 0.51 0.00 | 51.46 0.44 0.00 | 50.49 0.56 0.00 | 52.00 0.50 0.00 | 44.40 0.46 0.00 | 42.74 0.49 0.00 |
| HUDSON_AVE_GT_3 23810 | 69.13 1.63 0.00 | 66.12 1.59 0.00 | 57.12 1.49 0.00 | 58.47 1.29 0.00 | 54.44 1.23 0.00 | 58.52 1.46 0.00 | 83.53 2.42 0.00 | 95.72 2.14 -22.97 | 88.43 2.22 -17.16 | 64.78 1.93 -9.64 | 46.50 1.89 0.00 | 40.53 1.84 0.00 | 34.67 1.97 0.00 | 40.73 2.51 0.00 | 41.68 2.67 0.00 | 47.20 2.97 0.00 | 61.38 3.25 0.00 | 74.24 3.22 0.00 | 53.55 2.26 0.00 | 53.46 2.44 0.00 | 52.10 2.18 0.00 | 53.80 2.31 0.00 | 45.74 1.79 0.00 | 43.72 1.48 0.00 |
| HUDSON_AVE_GT_4 23540 | 69.13 1.63 0.00 | 66.12 1.59 0.00 | 57.12 1.49 0.00 | 58.47 1.29 0.00 | 54.44 1.23 0.00 | 58.52 1.46 0.00 | 83.53 2.42 0.00 | 95.72 2.14 -22.97 | 88.43 2.22 -17.16 | 64.78 1.93 -9.64 | 46.50 1.89 0.00 | 40.53 1.84 0.00 | 34.67 1.97 0.00 | 40.73 2.51 0.00 | 41.68 2.67 0.00 | 47.20 2.97 0.00 | 61.38 3.25 0.00 | 74.24 3.22 0.00 | 53.55 2.26 0.00 | 53.46 2.44 0.00 | 52.10 2.18 0.00 | 53.80 2.31 0.00 | 45.74 1.79 0.00 | 43.72 1.48 0.00 |
| HUDSON_AVE_GT_5 23657 | 69.13 1.63 0.00 | 66.12 1.59 0.00 | 57.12 1.49 0.00 | 58.47 1.29 0.00 | 54.44 1.23 0.00 | 58.52 1.46 0.00 | 83.53 2.42 0.00 | 95.72 2.14 -22.97 | 88.43 2.22 -17.16 | 64.78 1.93 -9.64 | 46.50 1.89 0.00 | 40.53 1.84 0.00 | 34.67 1.97 0.00 | 40.73 2.51 0.00 | 41.68 2.67 0.00 | 47.20 2.97 0.00 | 61.38 3.25 0.00 | 74.24 3.22 0.00 | 53.55 2.26 0.00 | 53.46 2.44 0.00 | 52.10 2.18 0.00 | 53.80 2.31 0.00 | 45.74 1.79 0.00 | 43.72 1.48 0.00 |
| HUDSON_AVE_10 24168 | 68.80 1.30 0.00 | 65.80 1.27 0.00 | 56.84 1.21 0.00 | 58.17 0.99 0.00 | 54.16 0.95 0.00 | 58.21 1.15 0.00 | 83.13 2.02 0.00 | 95.38 1.81 -22.97 | 88.09 1.87 -17.16 | 64.52 1.67 -9.64 | 46.28 1.67 0.00 | 40.35 1.67 0.00 | 34.53 1.83 0.00 | 40.54 2.32 0.00 | 41.49 2.48 0.00 | 47.01 2.77 0.00 | 61.12 2.99 0.00 | 73.94 2.93 0.00 | 53.33 2.03 0.00 | 53.24 2.21 0.00 | 51.89 1.97 0.00 | 53.57 2.07 0.00 | 45.53 1.58 0.00 | 43.51 1.27 0.00 |
| HUDSON___115KV_TB 4 355613 | 70.76 3.26 0.00 | 67.76 3.23 0.00 | 58.35 2.73 0.00 | 60.01 2.83 0.00 | 55.81 2.61 0.00 | 59.90 2.84 0.00 | 85.35 4.23 0.00 | 225.74 3.53 -151.60 | 185.89 3.56 -113.29 | 119.31 2.50 -63.60 | 46.22 1.61 0.00 | 39.90 1.22 0.00 | 33.67 0.96 0.00 | 39.24 1.02 0.00 | 40.17 1.16 0.00 | 45.64 1.40 0.00 | 60.23 2.10 0.00 | 73.87 2.86 0.00 | 53.62 2.32 0.00 | 53.47 2.45 0.00 | 52.24 2.31 0.00 | 53.96 2.46 0.00 | 45.89 1.95 0.00 | 44.05 1.81 0.00 |
| HUNTER MOUNT___DRP 323613 | 71.14 3.64 0.00 | 68.08 3.55 0.00 | 58.63 3.00 0.00 | 60.31 3.13 0.00 | 56.12 2.92 0.00 | 60.24 3.18 0.00 | 85.91 4.79 0.00 | 201.19 3.98 -126.60 | 167.61 3.95 -94.60 | 109.05 2.72 -53.11 | 46.41 1.80 0.00 | 40.05 1.37 0.00 | 33.76 1.06 0.00 | 39.31 1.09 0.00 | 40.23 1.22 0.00 | 45.75 1.51 0.00 | 60.53 2.39 0.00 | 74.31 3.30 0.00 | 53.96 2.67 0.00 | 53.81 2.78 0.00 | 52.57 2.64 0.00 | 54.26 2.77 0.00 | 46.14 2.20 0.00 | 44.28 2.04 0.00 |
| HUNTINGTON_RES_REC 323705 | 70.11 2.61 0.00 | 66.72 2.19 0.00 | 57.68 2.06 0.00 | 59.05 1.88 0.00 | 55.23 2.02 0.00 | 59.33 2.27 0.00 | 84.18 3.07 0.00 | 95.76 2.19 -22.97 | 87.90 1.69 -17.16 | 65.01 2.15 -9.64 | 46.95 2.34 0.00 | 40.90 2.21 0.00 | 35.00 2.30 0.00 | 40.94 2.72 0.00 | 41.99 2.98 0.00 | 47.62 3.38 0.00 | 62.21 4.08 0.00 | 75.11 4.10 0.00 | 53.90 2.60 0.00 | 54.27 3.24 0.00 | 52.98 3.06 0.00 | 54.23 3.15 0.41 | 46.50 2.55 0.00 | 44.46 2.22 0.00 |
| HUNTLEY___63 23557 | 64.14 -3.37 0.00 | 60.63 -3.90 0.00 | 51.95 -3.68 0.00 | 53.40 -3.77 0.00 | 49.93 -3.28 0.00 | 53.37 -3.69 0.00 | 74.60 -6.51 0.00 | 66.79 -4.41 -0.59 | 64.55 -4.61 -0.11 | 50.06 -3.36 -0.19 | 41.71 -2.91 0.00 | 35.83 -2.85 0.00 | 30.27 -2.44 0.00 | 35.59 -2.62 0.00 | 35.85 -3.16 0.00 | 40.36 -3.88 0.00 | 53.15 -4.98 0.00 | 65.38 -5.62 0.00 | 47.32 -3.97 0.00 | 46.51 -4.52 0.00 | 45.57 -4.35 0.00 | 46.84 -4.65 0.00 | 40.73 -3.22 0.00 | 39.91 -2.33 0.00 |
| HUNTLEY___64 23558 | 64.14 -3.37 0.00 | 60.63 -3.90 0.00 | 51.95 -3.68 0.00 | 53.40 -3.77 0.00 | 49.93 -3.28 0.00 | 53.37 -3.69 0.00 | 74.60 -6.51 0.00 | 66.79 -4.41 -0.59 | 64.55 -4.61 -0.11 | 50.06 -3.36 -0.19 | 41.71 -2.91 0.00 | 35.83 -2.85 0.00 | 30.27 -2.44 0.00 | 35.59 -2.62 0.00 | 35.85 -3.16 0.00 | 40.36 -3.88 0.00 | 53.15 -4.98 0.00 | 65.38 -5.62 0.00 | 47.32 -3.97 0.00 | 46.51 -4.52 0.00 | 45.57 -4.35 0.00 | 46.84 -4.65 0.00 | 40.73 -3.22 0.00 | 39.91 -2.33 0.00 |
| HUNTLEY___65 23559 | 64.14 -3.37 0.00 | 60.63 -3.90 0.00 | 51.95 -3.68 0.00 | 53.40 -3.77 0.00 | 49.93 -3.28 0.00 | 53.37 -3.69 0.00 | 74.60 -6.51 0.00 | 66.79 -4.41 -0.59 | 64.55 -4.61 -0.11 | 50.06 -3.36 -0.19 | 41.71 -2.91 0.00 | 35.83 -2.85 0.00 | 30.27 -2.44 0.00 | 35.59 -2.62 0.00 | 35.85 -3.16 0.00 | 40.36 -3.88 0.00 | 53.15 -4.98 0.00 | 65.38 -5.62 0.00 | 47.32 -3.97 0.00 | 46.51 -4.52 0.00 | 45.57 -4.35 0.00 | 46.84 -4.65 0.00 | 40.73 -3.22 0.00 | 39.91 -2.33 0.00 |
| HUNTLEY___66 23560 | 64.14 -3.37 0.00 | 60.63 -3.90 0.00 | 51.95 -3.68 0.00 | 53.40 -3.77 0.00 | 49.93 -3.28 0.00 | 53.37 -3.69 0.00 | 74.60 -6.51 0.00 | 66.79 -4.41 -0.59 | 64.55 -4.61 -0.11 | 50.06 -3.36 -0.19 | 41.71 -2.91 0.00 | 35.83 -2.85 0.00 | 30.27 -2.44 0.00 | 35.59 -2.62 0.00 | 35.85 -3.16 0.00 | 40.36 -3.88 0.00 | 53.15 -4.98 0.00 | 65.38 -5.62 0.00 | 47.32 -3.97 0.00 | 46.51 -4.52 0.00 | 45.57 -4.35 0.00 | 46.84 -4.65 0.00 | 40.73 -3.22 0.00 | 39.91 -2.33 0.00 |
| HUNTLEY___67 23561 | 63.83 -3.67 0.00 | 60.43 -4.10 0.00 | 51.74 -3.88 0.00 | 53.22 -3.96 0.00 | 49.77 -3.44 0.00 | 52.95 -4.10 0.00 | 74.04 -7.07 0.00 | 66.29 -5.06 -0.74 | 64.13 -5.13 -0.21 | 49.78 -3.75 -0.31 | 41.35 -3.27 0.00 | 35.55 -3.13 0.00 | 30.07 -2.63 0.00 | 35.37 -2.85 0.00 | 35.60 -3.41 0.00 | 40.07 -4.16 0.00 | 52.78 -5.35 0.00 | 65.28 -5.73 0.00 | 47.23 -4.06 0.00 | 46.44 -4.59 0.00 | 45.48 -4.45 0.00 | 46.78 -4.71 0.00 | 40.65 -3.30 0.00 | 39.74 -2.50 0.00 |

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| HUNTLEY___68 23562 | 63.83 -3.67 0.00 | 60.43 -4.10 0.00 | 51.74 -3.88 0.00 | 53.22 -3.96 0.00 | 49.77 -3.44 0.00 | 52.95 -4.10 0.00 | 74.04 -7.07 0.00 | 66.29 -5.06 -0.74 | 64.13 -5.13 -0.21 | 49.78 -3.75 -0.31 | 41.35 -3.27 0.00 | 35.55 -3.13 0.00 | 30.07 -2.63 0.00 | 35.37 -2.85 0.00 | 35.60 -3.41 0.00 | 40.07 -4.16 0.00 | 52.78 -5.35 0.00 | 65.28 -5.73 0.00 | 47.23 -4.06 0.00 | 46.44 -4.59 0.00 | 45.48 -4.45 0.00 | 46.78 -4.71 0.00 | 40.65 -3.30 0.00 | 39.74 -2.50 0.00 |
| HYLAND___LFGE 323620 | 68.56 1.06 0.00 | 65.35 0.82 0.00 | 56.11 0.48 0.00 | 57.88 0.71 0.00 | 54.14 0.93 0.00 | 58.11 1.05 0.00 | 82.54 1.43 0.00 | 72.57 1.94 -0.02 | 70.13 1.08 0.00 | 53.44 0.21 0.00 | 44.23 -0.38 0.00 | 37.47 -1.21 0.00 | 31.47 -1.24 0.00 | 36.78 -1.44 0.00 | 37.23 -1.78 0.00 | 42.25 -1.98 0.00 | 56.28 -1.85 0.00 | 71.76 0.76 0.00 | 51.25 -0.05 0.00 | 50.61 -0.41 0.00 | 49.46 -0.47 0.00 | 51.41 -0.09 0.00 | 44.65 0.70 0.00 | 43.25 1.01 0.00 |
| INDECK___CORINTH 23802 | 71.39 3.89 0.00 | 68.16 3.63 0.00 | 58.62 2.99 0.00 | 60.34 3.17 0.00 | 55.66 2.45 0.00 | 59.73 2.67 0.00 | 84.94 3.83 0.00 | 404.56 3.52 -330.43 | 319.07 3.10 -246.92 | 194.00 2.16 -138.62 | 46.01 1.40 0.00 | 39.47 0.79 0.00 | 33.18 0.48 0.00 | 38.65 0.43 0.00 | 39.67 0.66 0.00 | 45.27 1.03 0.00 | 60.26 2.13 0.00 | 73.82 2.80 0.00 | 53.16 1.86 0.00 | 53.08 2.05 0.00 | 51.87 1.94 0.00 | 53.47 1.97 0.00 | 45.39 1.45 0.00 | 43.47 1.22 0.00 |
| INDECK___ILION 23567 | 68.73 1.23 0.00 | 65.67 1.14 0.00 | 56.59 0.96 0.00 | 58.22 1.05 0.00 | 54.09 0.89 0.00 | 58.07 1.01 0.00 | 82.63 1.52 0.00 | 72.09 1.48 0.00 | 70.48 1.43 0.00 | 54.11 0.89 0.00 | 45.08 0.46 0.00 | 39.00 0.32 0.00 | 32.88 0.18 0.00 | 38.38 0.16 0.00 | 39.27 0.26 0.00 | 44.59 0.36 0.00 | 58.86 0.73 0.00 | 72.10 1.09 0.00 | 52.19 0.89 0.00 | 52.04 1.02 0.00 | 50.85 0.93 0.00 | 52.61 1.11 0.00 | 44.78 0.84 0.00 | 42.93 0.68 0.00 |
| INDECK___OLEAN 23982 | 42.66 -0.46 24.39 | 52.18 -0.77 11.57 | 54.58 -1.05 0.00 | 56.22 -0.96 0.00 | 49.10 -0.68 3.43 | 49.57 -0.95 6.55 | 63.27 -1.95 15.90 | 64.93 1.90 7.58 | 68.40 1.64 2.30 | 45.90 1.36 8.68 | 45.12 0.51 0.00 | 38.46 -0.22 0.00 | 32.44 -0.26 0.00 | 38.15 -0.07 0.00 | 38.45 -0.56 0.00 | 43.22 -1.02 0.00 | 57.13 -1.01 0.00 | 70.60 -0.07 0.35 | 50.66 -0.26 0.38 | 49.48 -1.54 0.00 | 48.41 -1.52 0.00 | 50.03 -1.47 0.00 | 43.12 -0.82 0.00 | 41.86 -0.38 0.00 |
| INDECK___OSWEGO 23783 | 65.28 -2.22 0.00 | 62.39 -2.14 0.00 | 53.74 -1.89 0.00 | 55.22 -1.95 0.00 | 51.43 -1.78 0.00 | 55.21 -1.85 0.00 | 78.61 -2.50 0.00 | 68.22 -2.39 0.00 | 66.59 -2.45 0.00 | 51.07 -2.15 0.00 | 42.71 -1.90 0.00 | 36.97 -1.71 0.00 | 31.18 -1.52 0.00 | 36.38 -1.84 0.00 | 37.10 -1.91 0.00 | 42.28 -1.96 0.00 | 55.88 -2.25 0.00 | 68.81 -2.20 0.00 | 49.89 -1.40 0.00 | 49.55 -1.48 0.00 | 48.35 -1.58 0.00 | 49.84 -1.65 0.00 | 42.57 -1.38 0.00 | 40.92 -1.32 0.00 |
| INDECK___YERKES 23781 | 48.66 -3.27 15.57 | 53.31 -3.83 7.39 | 51.99 -3.64 0.00 | 53.46 -3.72 0.00 | 47.80 -3.22 2.19 | 49.28 -3.61 4.18 | 64.35 -6.41 10.35 | 58.57 -4.37 7.67 | 62.10 -4.56 2.39 | 41.48 -3.33 8.40 | 41.74 -2.88 0.00 | 35.91 -2.77 0.00 | 30.30 -2.40 0.00 | 35.63 -2.59 0.00 | 35.88 -3.12 0.00 | 40.41 -3.82 0.00 | 53.19 -4.94 0.00 | 65.13 -5.55 0.33 | 47.02 -3.92 0.35 | 46.57 -4.46 0.00 | 45.62 -4.30 0.00 | 46.90 -4.60 0.00 | 40.74 -3.20 0.00 | 39.95 -2.29 0.00 |
| INDIAN POINT_GT_1 24139 | 68.56 1.06 0.00 | 65.56 1.03 0.00 | 56.61 0.98 0.00 | 58.02 0.84 0.00 | 54.02 0.81 0.00 | 57.99 0.94 0.00 | 82.66 1.55 0.00 | 94.69 1.38 -22.70 | 87.49 1.47 -16.97 | 64.07 1.32 -9.52 | 45.95 1.34 0.00 | 40.05 1.37 0.00 | 34.23 1.53 0.00 | 40.17 1.95 0.00 | 41.10 2.09 0.00 | 46.54 2.31 0.00 | 60.59 2.45 0.00 | 73.35 2.34 0.00 | 52.94 1.64 0.00 | 52.84 1.82 0.00 | 51.53 1.60 0.00 | 53.22 1.72 0.00 | 45.26 1.32 0.00 | 43.31 1.06 0.00 |
| INDIAN POINT_GT_2 23659 | 68.56 1.06 0.00 | 65.56 1.03 0.00 | 56.61 0.98 0.00 | 58.02 0.84 0.00 | 54.02 0.81 0.00 | 57.99 0.94 0.00 | 82.66 1.55 0.00 | 94.69 1.38 -22.70 | 87.49 1.47 -16.97 | 64.07 1.32 -9.52 | 45.95 1.34 0.00 | 40.05 1.37 0.00 | 34.23 1.53 0.00 | 40.17 1.95 0.00 | 41.10 2.09 0.00 | 46.54 2.31 0.00 | 60.59 2.45 0.00 | 73.35 2.34 0.00 | 52.94 1.64 0.00 | 52.84 1.82 0.00 | 51.53 1.60 0.00 | 53.22 1.72 0.00 | 45.26 1.32 0.00 | 43.31 1.06 0.00 |
| INDIAN POINT_GT_3 24019 | 68.56 1.06 0.00 | 65.56 1.03 0.00 | 56.61 0.98 0.00 | 58.02 0.84 0.00 | 54.02 0.81 0.00 | 57.99 0.94 0.00 | 82.66 1.55 0.00 | 94.69 1.38 -22.70 | 87.49 1.47 -16.97 | 64.07 1.32 -9.52 | 45.95 1.34 0.00 | 40.05 1.37 0.00 | 34.23 1.53 0.00 | 40.17 1.95 0.00 | 41.10 2.09 0.00 | 46.54 2.31 0.00 | 60.59 2.45 0.00 | 73.35 2.34 0.00 | 52.94 1.64 0.00 | 52.84 1.82 0.00 | 51.53 1.60 0.00 | 53.22 1.72 0.00 | 45.26 1.32 0.00 | 43.31 1.06 0.00 |
| INDIAN POINT___2 23530 | 68.39 0.89 0.00 | 65.43 0.90 0.00 | 56.52 0.89 0.00 | 57.91 0.73 0.00 | 53.92 0.71 0.00 | 57.87 0.81 0.00 | 82.50 1.39 0.00 | 94.29 1.25 -22.44 | 87.16 1.34 -16.77 | 63.87 1.24 -9.41 | 45.89 1.28 0.00 | 40.00 1.32 0.00 | 34.20 1.50 0.00 | 40.13 1.91 0.00 | 41.06 2.05 0.00 | 46.49 2.25 0.00 | 60.51 2.37 0.00 | 73.22 2.21 0.00 | 52.84 1.55 0.00 | 52.75 1.73 0.00 | 51.44 1.51 0.00 | 53.12 1.63 0.00 | 45.19 1.24 0.00 | 43.25 1.01 0.00 |
| INDIAN POINT___3 23531 | 68.41 0.91 0.00 | 65.45 0.91 0.00 | 56.53 0.91 0.00 | 57.93 0.75 0.00 | 53.94 0.73 0.00 | 57.90 0.84 0.00 | 82.53 1.41 0.00 | 94.65 1.26 -22.79 | 87.43 1.35 -17.03 | 64.00 1.23 -9.56 | 45.90 1.28 0.00 | 40.02 1.33 0.00 | 34.19 1.49 0.00 | 40.12 1.90 0.00 | 41.05 2.04 0.00 | 46.49 2.25 0.00 | 60.51 2.38 0.00 | 73.22 2.21 0.00 | 52.84 1.54 0.00 | 52.75 1.73 0.00 | 51.45 1.52 0.00 | 53.13 1.64 0.00 | 45.18 1.24 0.00 | 43.26 1.02 0.00 |
| INGHAM_C_115KV_TB7 356103 | 70.11 2.61 0.00 | 66.93 2.40 0.00 | 57.67 2.05 0.00 | 59.37 2.19 0.00 | 55.05 1.85 0.00 | 59.13 2.07 0.00 | 84.17 3.06 0.00 | 73.41 2.80 0.00 | 71.73 2.68 0.00 | 54.84 1.62 0.00 | 45.31 0.70 0.00 | 39.08 0.39 0.00 | 32.82 0.12 0.00 | 38.26 0.04 0.00 | 39.25 0.24 0.00 | 44.77 0.53 0.00 | 59.50 1.37 0.00 | 73.13 2.12 0.00 | 53.06 1.76 0.00 | 53.09 2.06 0.00 | 51.88 1.95 0.00 | 53.87 2.37 0.00 | 45.72 1.77 0.00 | 43.69 1.45 0.00 |
| IP CORINTH___1 23988 | 71.73 4.23 0.00 | 68.51 3.98 0.00 | 58.91 3.29 0.00 | 60.64 3.46 0.00 | 55.93 2.72 0.00 | 60.03 2.98 0.00 | 85.41 4.30 0.00 | 404.97 3.93 -330.43 | 319.44 3.47 -246.92 | 194.27 2.43 -138.62 | 46.25 1.64 0.00 | 39.69 1.01 0.00 | 33.35 0.65 0.00 | 38.85 0.63 0.00 | 39.87 0.86 0.00 | 45.50 1.26 0.00 | 60.56 2.43 0.00 | 74.19 3.18 0.00 | 53.45 2.15 0.00 | 53.37 2.35 0.00 | 52.14 2.21 0.00 | 53.74 2.25 0.00 | 45.63 1.68 0.00 | 43.70 1.46 0.00 |
| IP___TICONDEROGA 23804 | 75.91 8.41 0.00 | 72.31 7.78 0.00 | 62.03 6.41 0.00 | 64.19 7.01 0.00 | 59.48 6.27 0.00 | 63.70 6.64 0.00 | 90.47 9.36 0.00 | 410.46 9.43 -330.43 | 322.34 6.37 -246.92 | 196.13 4.29 -138.62 | 47.22 2.61 0.00 | 40.18 1.50 0.00 | 33.78 1.07 0.00 | 39.53 1.31 0.00 | 40.88 1.87 0.00 | 46.95 2.71 0.00 | 62.77 4.64 0.00 | 77.15 6.14 0.00 | 55.56 4.26 0.00 | 55.59 4.56 0.00 | 54.30 4.38 0.00 | 55.72 4.23 0.00 | 47.11 3.17 0.00 | 45.22 2.98 0.00 |

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|-----------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ISLIP_RES_REC 323679 | 70.48 2.98 0.00 | 66.95 2.42 0.00 | 57.93 2.30 0.00 | 59.29 2.11 0.00 | 55.57 2.36 0.00 | 59.74 2.68 0.00 | 84.85 3.74 0.00 | 96.28 2.70 -22.97 | 88.14 1.93 -17.16 | 65.31 2.45 -9.64 | 47.20 2.59 0.00 | 41.17 2.49 0.00 | 35.29 2.59 0.00 | 41.19 2.98 0.00 | 42.30 3.29 0.00 | 47.91 3.68 0.00 | 62.80 4.66 0.00 | 75.80 4.79 0.00 | 54.36 3.06 0.00 | 54.82 3.80 0.00 | 53.61 3.67 -0.01 | 56.77 3.82 -1.46 | 47.00 3.06 0.00 | 44.85 2.61 0.00 |
| JAMAICA__27_KV_LOAD 355505 | 69.03 1.53 0.00 | 66.02 1.49 0.00 | 56.99 1.36 0.00 | 58.30 1.12 0.00 | 54.27 1.06 0.00 | 58.34 1.29 0.00 | 83.44 2.32 0.00 | 95.72 2.14 -22.97 | 88.34 2.13 -17.16 | 64.71 1.85 -9.64 | 46.47 1.86 0.00 | 40.52 1.84 0.00 | 34.71 2.01 0.00 | 40.74 2.52 0.00 | 41.65 2.64 0.00 | 47.23 2.99 0.00 | 61.38 3.25 0.00 | 74.33 3.32 0.00 | 53.61 2.31 0.00 | 53.49 2.46 0.00 | 52.11 2.19 0.00 | 53.81 2.32 0.00 | 45.70 1.75 0.00 | 43.63 1.39 0.00 |
| JANIS__SOLAR 323808 | 73.68 2.27 -3.91 | 68.20 1.81 -1.85 | 57.33 1.70 0.00 | 59.12 1.94 0.00 | 55.58 1.83 -0.55 | 60.22 2.12 -1.05 | 86.95 3.23 -2.61 | 89.68 2.90 -16.17 | 82.59 2.41 -11.13 | 62.75 1.43 -8.10 | 45.61 0.99 0.00 | 38.98 0.30 0.00 | 32.67 -0.03 0.00 | 38.00 -0.22 0.00 | 38.68 -0.33 0.00 | 44.15 -0.08 0.00 | 58.79 0.65 0.00 | 73.45 2.34 -0.09 | 53.74 2.34 -0.10 | 53.24 2.21 0.00 | 52.03 2.10 0.00 | 53.55 2.05 0.00 | 45.60 1.65 0.00 | 43.77 1.53 0.00 |
| JARVIS____ 23743 | 67.57 0.07 0.00 | 64.59 0.06 0.00 | 55.68 0.05 0.00 | 57.25 0.07 0.00 | 53.26 0.05 0.00 | 57.15 0.09 0.00 | 81.29 0.18 0.00 | 70.89 0.28 0.00 | 69.37 0.32 0.00 | 53.41 0.19 0.00 | 44.75 0.13 0.00 | 38.80 0.12 0.00 | 32.81 0.11 0.00 | 38.33 0.12 0.00 | 39.17 0.16 0.00 | 44.34 0.10 0.00 | 58.21 0.07 0.00 | 71.10 0.09 0.00 | 51.37 0.07 0.00 | 51.13 0.10 0.00 | 49.98 0.05 0.00 | 51.56 0.07 0.00 | 43.99 0.05 0.00 | 42.28 0.04 0.00 |
| JENNISON__1 23625 | 69.50 2.00 0.00 | 66.19 1.65 0.00 | 57.28 1.66 0.00 | 59.09 1.92 0.00 | 55.05 1.84 0.00 | 59.15 2.09 0.00 | 84.20 3.09 0.00 | 96.15 2.76 -22.78 | 88.57 2.50 -17.02 | 64.48 1.70 -9.56 | 45.99 1.38 0.00 | 39.65 0.97 0.00 | 33.37 0.67 0.00 | 38.97 0.74 0.00 | 39.74 0.73 0.00 | 45.25 1.01 0.00 | 59.86 1.73 0.00 | 73.81 2.80 0.00 | 53.57 2.27 0.00 | 53.15 2.12 0.00 | 51.83 1.91 0.00 | 53.52 2.02 0.00 | 45.58 1.64 0.00 | 43.65 1.40 0.00 |
| JENNISON__2 23626 | 69.50 2.00 0.00 | 66.19 1.65 0.00 | 57.28 1.66 0.00 | 59.09 1.92 0.00 | 55.05 1.84 0.00 | 59.15 2.09 0.00 | 84.20 3.09 0.00 | 96.15 2.76 -22.78 | 88.57 2.50 -17.02 | 64.48 1.70 -9.56 | 45.99 1.38 0.00 | 39.65 0.97 0.00 | 33.37 0.67 0.00 | 38.97 0.74 0.00 | 39.74 0.73 0.00 | 45.25 1.01 0.00 | 59.86 1.73 0.00 | 73.81 2.80 0.00 | 53.57 2.27 0.00 | 53.15 2.12 0.00 | 51.83 1.91 0.00 | 53.52 2.02 0.00 | 45.58 1.64 0.00 | 43.65 1.40 0.00 |
| JERICHO_RISE_WT_PWR 323719 | 69.18 1.68 0.00 | 66.01 1.48 0.00 | 56.95 1.32 0.00 | 58.54 1.36 0.00 | 54.46 1.25 0.00 | 58.13 1.07 0.00 | 82.46 1.35 0.00 | 71.56 0.95 0.00 | 69.85 0.80 0.00 | 54.15 0.93 0.00 | 45.59 0.97 0.00 | 39.44 0.76 0.00 | 32.99 0.29 0.00 | 38.56 0.34 0.00 | 39.25 0.24 0.00 | 44.64 0.41 0.00 | 59.07 0.94 0.00 | 72.54 1.53 0.00 | 52.30 1.00 0.00 | 51.93 0.90 0.00 | 50.93 1.00 0.00 | 52.31 0.81 0.00 | 44.58 0.64 0.00 | 42.89 0.64 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 69.17 1.67 0.00 | 66.15 1.62 0.00 | 57.13 1.51 0.00 | 58.55 1.38 0.00 | 54.52 1.31 0.00 | 58.56 1.50 0.00 | 83.50 2.39 0.00 | 96.15 2.09 -23.45 | 88.70 2.13 -17.52 | 64.86 1.80 -9.84 | 46.29 1.67 0.00 | 40.30 1.61 0.00 | 34.39 1.69 0.00 | 40.35 2.12 0.00 | 41.30 2.29 0.00 | 46.77 2.54 0.00 | 60.96 2.83 0.00 | 73.85 2.84 0.00 | 53.32 2.02 0.00 | 53.24 2.22 0.00 | 51.92 2.00 0.00 | 53.60 2.11 0.00 | 45.57 1.63 0.00 | 43.59 1.35 0.00 |
| KCE_NY_1 323755 | 70.96 3.45 0.00 | 67.86 3.33 0.00 | 58.39 2.77 0.00 | 60.12 2.94 0.00 | 55.65 2.44 0.00 | 59.74 2.68 0.00 | 85.04 3.93 0.00 | 398.60 3.55 -324.44 | 314.88 3.39 -242.44 | 191.73 2.40 -136.11 | 46.32 1.70 0.00 | 39.94 1.26 0.00 | 33.60 0.90 0.00 | 39.20 0.98 0.00 | 40.14 1.13 0.00 | 45.71 1.48 0.00 | 60.61 2.48 0.00 | 74.03 3.02 0.00 | 53.41 2.12 0.00 | 53.25 2.22 0.00 | 52.10 2.17 0.00 | 53.83 2.33 0.00 | 45.73 1.78 0.00 | 43.81 1.57 0.00 |
| KCE_NY_6_ESR 323823 | 47.69 -2.34 17.47 | 53.44 -2.80 8.29 | 52.85 -2.77 0.00 | 54.37 -2.81 0.00 | 48.37 -2.38 2.46 | 49.50 -2.87 4.69 | 64.35 -5.19 11.57 | 60.04 -3.04 7.53 | 63.55 -3.19 2.30 | 42.38 -2.33 8.50 | 42.48 -2.14 0.00 | 36.49 -2.19 0.00 | 30.85 -1.85 0.00 | 36.28 -1.94 0.00 | 36.51 -2.50 0.00 | 41.14 -3.10 0.00 | 54.19 -3.95 0.00 | 66.76 -3.92 0.33 | 48.21 -2.72 0.36 | 47.66 -3.37 0.00 | 46.61 -3.31 0.00 | 47.94 -3.55 0.00 | 41.58 -2.36 0.00 | 40.60 -1.64 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 70.18 2.68 0.00 | 66.67 2.14 0.00 | 57.69 2.07 0.00 | 59.06 1.89 0.00 | 55.31 2.10 0.00 | 59.45 2.39 0.00 | 84.41 3.30 0.00 | 95.90 2.32 -22.97 | 87.84 1.63 -17.16 | 65.04 2.18 -9.64 | 46.99 2.37 0.00 | 40.96 2.28 0.00 | 35.10 2.40 0.00 | 41.00 2.78 0.00 | 42.09 3.08 0.00 | 47.68 3.44 0.00 | 62.40 4.27 0.00 | 75.34 4.33 0.00 | 54.01 2.71 0.00 | 54.47 3.44 0.00 | 53.25 3.31 -0.01 | 56.35 3.45 -1.40 | 46.72 2.78 0.00 | 44.60 2.35 0.00 |
| KEDC_PORT_JEFF_GT3 24211 | 70.18 2.68 0.00 | 66.67 2.14 0.00 | 57.69 2.07 0.00 | 59.06 1.89 0.00 | 55.31 2.10 0.00 | 59.45 2.39 0.00 | 84.41 3.30 0.00 | 95.90 2.32 -22.97 | 87.84 1.63 -17.16 | 65.04 2.18 -9.64 | 46.99 2.37 0.00 | 40.96 2.28 0.00 | 35.10 2.40 0.00 | 41.00 2.78 0.00 | 42.09 3.08 0.00 | 47.68 3.44 0.00 | 62.40 4.27 0.00 | 75.34 4.33 0.00 | 54.01 2.71 0.00 | 54.47 3.44 0.00 | 53.25 3.31 -0.01 | 56.35 3.45 -1.40 | 46.72 2.78 0.00 | 44.60 2.35 0.00 |
| KEDC_GLWD_GT4 24219 | 69.55 2.04 0.00 | 66.44 1.91 0.00 | 57.38 1.75 0.00 | 58.76 1.58 0.00 | 54.79 1.58 0.00 | 58.80 1.74 0.00 | 83.13 2.02 0.00 | 95.24 1.66 -22.97 | 87.82 1.60 -17.16 | 64.57 1.71 -9.64 | 46.66 2.04 0.00 | 40.63 1.95 0.00 | 34.77 2.07 0.00 | 40.79 2.57 0.00 | 41.74 2.73 0.00 | 47.16 2.92 0.00 | 61.43 3.30 0.00 | 74.26 3.25 0.00 | 53.31 2.01 0.00 | 53.38 2.35 0.00 | 52.06 2.13 0.00 | 53.73 2.24 0.00 | 45.84 1.90 0.00 | 43.95 1.71 0.00 |
| KEDC_GLWD_GTS 24220 | 69.55 2.04 0.00 | 66.44 1.91 0.00 | 57.38 1.75 0.00 | 58.76 1.58 0.00 | 54.79 1.58 0.00 | 58.80 1.74 0.00 | 83.13 2.02 0.00 | 95.24 1.66 -22.97 | 87.82 1.60 -17.16 | 64.57 1.71 -9.64 | 46.66 2.04 0.00 | 40.63 1.95 0.00 | 34.77 2.07 0.00 | 40.79 2.57 0.00 | 41.74 2.73 0.00 | 47.16 2.92 0.00 | 61.43 3.30 0.00 | 74.26 3.25 0.00 | 53.31 2.01 0.00 | 53.38 2.35 0.00 | 52.06 2.13 0.00 | 53.73 2.24 0.00 | 45.84 1.90 0.00 | 43.95 1.71 0.00 |
| KENSICO____ 23655 | 68.80 1.30 0.00 | 65.82 1.29 0.00 | 56.84 1.21 0.00 | 58.24 1.07 0.00 | 54.23 1.02 0.00 | 58.23 1.17 0.00 | 83.01 1.89 0.00 | 95.21 1.66 -22.94 | 87.93 1.73 -17.14 | 64.39 1.54 -9.62 | 46.15 1.54 0.00 | 40.21 1.53 0.00 | 34.37 1.66 0.00 | 40.34 2.12 0.00 | 41.28 2.27 0.00 | 46.74 2.50 0.00 | 60.85 2.72 0.00 | 73.65 2.64 0.00 | 53.12 1.83 0.00 | 53.06 2.03 0.00 | 51.73 1.80 0.00 | 53.43 1.93 0.00 | 45.44 1.49 0.00 | 43.48 1.23 0.00 |

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| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 69.83 2.33 0.00 | 66.85 2.32 0.00 | 57.71 2.09 0.00 | 59.24 2.07 0.00 | 55.16 1.96 0.00 | 59.26 2.20 0.00 | 84.49 3.37 0.00 | 106.05 2.95 -32.49 | 96.39 3.06 -24.28 | 69.27 2.42 -13.63 | 46.71 2.09 0.00 | 40.60 1.92 0.00 | 34.53 1.83 0.00 | 40.23 2.01 0.00 | 41.07 2.06 0.00 | 46.63 2.40 0.00 | 61.12 2.99 0.00 | 74.50 3.49 0.00 | 53.95 2.65 0.00 | 53.82 2.79 0.00 | 52.50 2.57 0.00 | 54.14 2.65 0.00 | 45.94 1.99 0.00 | 44.03 1.79 0.00 |
| KIAC_JFK_GT1 23816 | 68.34 0.84 0.00 | 65.44 0.90 0.00 | 56.49 0.87 0.00 | 57.79 0.61 0.00 | 53.78 0.57 0.00 | 57.76 0.70 0.00 | 82.60 1.48 0.00 | 94.96 1.38 -22.97 | 87.63 1.42 -17.16 | 64.16 1.31 -9.64 | 46.02 1.41 0.00 | 40.18 1.50 0.00 | 34.43 1.73 0.00 | 40.40 2.18 0.00 | 41.30 2.29 0.00 | 46.83 2.59 0.00 | 60.79 2.66 0.00 | 73.59 2.57 0.00 | 53.06 1.76 0.00 | 52.95 1.92 0.00 | 51.59 1.67 0.00 | 53.26 1.77 0.00 | 45.23 1.29 0.00 | 43.20 0.95 0.00 |
| KIAC_JFK_GT2 23817 | 68.34 0.84 0.00 | 65.44 0.90 0.00 | 56.49 0.87 0.00 | 57.79 0.61 0.00 | 53.78 0.57 0.00 | 57.76 0.70 0.00 | 82.60 1.48 0.00 | 94.96 1.38 -22.97 | 87.63 1.42 -17.16 | 64.16 1.31 -9.64 | 46.02 1.41 0.00 | 40.18 1.50 0.00 | 34.43 1.73 0.00 | 40.40 2.18 0.00 | 41.30 2.29 0.00 | 46.83 2.59 0.00 | 60.79 2.66 0.00 | 73.59 2.57 0.00 | 53.06 1.76 0.00 | 52.95 1.92 0.00 | 51.59 1.67 0.00 | 53.26 1.77 0.00 | 45.23 1.29 0.00 | 43.20 0.95 0.00 |
| KIAC_JFK____ 323774 | 68.34 0.84 0.00 | 65.44 0.91 0.00 | 56.49 0.86 0.00 | 57.79 0.61 0.00 | 53.78 0.57 0.00 | 57.76 0.70 0.00 | 82.60 1.48 0.00 | 94.96 1.39 -22.97 | 87.63 1.42 -17.16 | 64.17 1.31 -9.64 | 46.02 1.41 0.00 | 40.17 1.49 0.00 | 34.43 1.73 0.00 | 40.40 2.18 0.00 | 41.30 2.29 0.00 | 46.83 2.59 0.00 | 60.79 2.66 0.00 | 73.59 2.58 0.00 | 53.06 1.76 0.00 | 52.94 1.92 0.00 | 51.59 1.67 0.00 | 53.26 1.77 0.00 | 45.24 1.30 0.00 | 43.20 0.95 0.00 |
| KINTIGH_24_KV_GSU 356498 | 49.60 -4.39 13.51 | 53.38 -4.74 6.41 | 51.26 -4.36 0.00 | 52.70 -4.47 0.00 | 47.37 -3.94 1.90 | 48.81 -4.62 3.63 | 64.39 -7.65 9.07 | 56.61 -5.86 8.14 | 60.68 -5.92 2.45 | 40.34 -4.46 8.42 | 40.81 -3.81 0.00 | 35.21 -3.48 0.00 | 29.75 -2.95 0.00 | 34.94 -3.28 0.00 | 35.22 -3.79 0.00 | 39.77 -4.47 0.00 | 52.44 -5.69 0.00 | 64.49 -6.21 0.31 | 46.53 -4.43 0.34 | 46.15 -4.87 0.00 | 45.18 -4.75 0.00 | 46.50 -4.99 0.00 | 40.26 -3.68 0.00 | 39.31 -2.94 0.00 |
| KINTIGH____ 23543 | 63.06 -4.43 0.00 | 59.76 -4.77 0.00 | 51.25 -4.38 0.00 | 52.67 -4.50 0.00 | 49.24 -3.97 0.00 | 52.39 -4.67 0.00 | 73.42 -7.69 0.00 | 64.67 -5.90 0.04 | 63.10 -5.94 0.00 | 48.75 -4.46 0.01 | 40.80 -3.82 0.00 | 35.16 -3.53 0.00 | 29.73 -2.97 0.00 | 34.93 -3.29 0.00 | 35.21 -3.80 0.00 | 39.74 -4.50 0.00 | 52.43 -5.70 0.00 | 64.76 -6.26 0.00 | 46.85 -4.45 0.00 | 46.13 -4.90 0.00 | 45.15 -4.78 0.00 | 46.48 -5.02 0.00 | 40.27 -3.67 0.00 | 39.29 -2.95 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 70.64 3.14 0.00 | 67.41 2.88 0.00 | 58.10 2.47 0.00 | 59.77 2.59 0.00 | 55.67 2.46 0.00 | 59.56 2.51 0.00 | 84.48 3.37 0.00 | 73.32 2.72 0.00 | 71.35 2.30 0.00 | 54.90 1.68 0.00 | 46.11 1.50 0.00 | 40.06 1.37 0.00 | 33.51 0.81 0.00 | 39.16 0.93 0.00 | 39.89 0.88 0.00 | 45.38 1.14 0.00 | 60.17 2.04 0.00 | 74.03 3.02 0.00 | 53.59 2.29 0.00 | 53.19 2.16 0.00 | 51.97 2.04 0.00 | 53.30 1.80 0.00 | 45.41 1.47 0.00 | 43.57 1.33 0.00 |
| LACHUTE__HYDRO 323717 | 75.91 8.41 0.00 | 72.31 7.78 0.00 | 62.03 6.40 0.00 | 64.18 7.01 0.00 | 59.48 6.27 0.00 | 63.70 6.64 0.00 | 90.47 9.36 0.00 | 410.46 9.43 -330.43 | 322.34 6.37 -246.92 | 196.13 4.29 -138.62 | 47.23 2.62 0.00 | 40.17 1.49 0.00 | 33.77 1.07 0.00 | 39.53 1.31 0.00 | 40.88 1.87 0.00 | 46.95 2.71 0.00 | 62.77 4.64 0.00 | 77.14 6.13 0.00 | 55.55 4.26 0.00 | 55.58 4.56 0.00 | 54.30 4.37 0.00 | 55.72 4.23 0.00 | 47.12 3.17 0.00 | 45.23 2.98 0.00 |
| LAWRNCV_115KV_TB1 80681 | 69.75 2.25 0.00 | 66.76 2.23 0.00 | 57.57 1.95 0.00 | 59.11 1.94 0.00 | 55.03 1.82 0.00 | 59.03 1.97 0.00 | 83.96 2.85 0.00 | 72.96 2.35 0.00 | 70.68 1.63 0.00 | 54.39 1.17 0.00 | 45.64 1.02 0.00 | 39.53 0.85 0.00 | 33.19 0.50 0.00 | 38.82 0.60 0.00 | 39.51 0.51 0.00 | 44.86 0.62 0.00 | 59.02 0.89 0.00 | 72.46 1.45 0.00 | 52.36 1.07 0.00 | 51.86 0.84 0.00 | 50.84 0.92 0.00 | 52.28 0.79 0.00 | 44.90 0.95 0.00 | 43.49 1.25 0.00 |
| LEDERLE____ 23769 | 68.52 1.02 0.00 | 65.53 1.00 0.00 | 56.60 0.97 0.00 | 58.00 0.82 0.00 | 54.00 0.79 0.00 | 57.96 0.90 0.00 | 82.64 1.53 0.00 | 94.24 1.41 -22.22 | 87.19 1.53 -16.61 | 63.91 1.37 -9.32 | 46.03 1.42 0.00 | 40.18 1.50 0.00 | 34.34 1.64 0.00 | 40.29 2.07 0.00 | 41.20 2.19 0.00 | 46.67 2.43 0.00 | 60.74 2.61 0.00 | 73.50 2.48 0.00 | 53.04 1.74 0.00 | 52.92 1.90 0.00 | 51.60 1.67 0.00 | 53.31 1.81 0.00 | 45.32 1.38 0.00 | 43.39 1.15 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 67.46 -0.04 0.00 | 64.63 0.10 0.00 | 55.65 0.02 0.00 | 57.13 -0.04 0.00 | 53.17 -0.04 0.00 | 57.27 0.21 0.00 | 82.03 0.91 0.00 | 71.27 0.67 0.00 | 69.03 -0.02 0.00 | 52.43 -0.79 0.00 | 43.51 -1.10 0.00 | 37.56 -1.12 0.00 | 31.46 -1.24 0.00 | 36.65 -1.57 0.00 | 37.39 -1.63 0.00 | 42.65 -1.59 0.00 | 56.80 -1.33 0.00 | 71.23 0.22 0.00 | 52.02 0.73 0.00 | 51.58 0.55 0.00 | 49.93 0.00 0.00 | 51.50 0.00 0.00 | 44.06 0.11 0.00 | 42.42 0.18 0.00 |
| LINDEN COGEN____ 23786 | 68.70 1.20 0.00 | 65.71 1.18 0.00 | 56.78 1.15 0.00 | 58.10 0.93 0.00 | 54.11 0.90 0.00 | 58.15 1.09 0.00 | 82.96 1.85 0.00 | 95.26 1.68 -22.97 | 88.04 1.83 -17.16 | 64.47 1.62 -9.64 | 46.22 1.61 0.00 | 40.27 1.59 0.00 | 34.49 1.79 0.00 | 40.51 2.29 0.00 | 41.46 2.46 0.00 | 46.94 2.71 0.00 | 61.00 2.87 0.00 | 73.80 2.79 0.00 | 53.24 1.94 0.00 | 53.13 2.10 0.00 | 51.78 1.85 0.00 | 53.44 1.95 0.00 | 45.45 1.51 0.00 | 43.45 1.21 0.00 |
| LINDHRST_69_KV_BK1 356055 | 70.27 2.77 0.00 | 66.95 2.42 0.00 | 57.89 2.26 0.00 | 59.24 2.06 0.00 | 55.37 2.16 0.00 | 59.48 2.43 0.00 | 84.37 3.26 0.00 | 96.00 2.42 -22.97 | 88.23 2.01 -17.16 | 65.19 2.33 -9.64 | 47.07 2.45 0.00 | 41.02 2.34 0.00 | 35.15 2.45 0.00 | 41.10 2.89 0.00 | 42.17 3.16 0.00 | 47.85 3.61 0.00 | 62.48 4.35 0.00 | 75.44 4.43 0.00 | 54.10 2.80 0.00 | 54.51 3.48 0.00 | 53.19 3.27 0.00 | 55.36 3.35 -0.52 | 46.61 2.67 0.00 | 44.56 2.31 0.00 |
| LIPA_MISC_IPP 23656 | 69.94 2.44 0.00 | 66.24 1.71 0.00 | 57.41 1.79 0.00 | 58.76 1.58 0.00 | 55.20 1.99 0.00 | 59.37 2.31 0.00 | 84.35 3.23 0.00 | 95.74 2.16 -22.97 | 87.30 1.08 -17.16 | 64.73 1.87 -9.64 | 46.80 2.18 0.00 | 40.83 2.15 0.00 | 35.04 2.34 0.00 | 40.83 2.61 0.00 | 41.97 2.96 0.00 | 47.53 3.29 0.00 | 62.31 4.18 0.00 | 75.20 4.19 0.00 | 53.82 2.52 0.00 | 54.38 3.35 0.00 | 53.28 3.34 -0.01 | 56.78 3.55 -1.74 | 46.79 2.85 0.00 | 44.60 2.36 0.00 |
| LISF__SOLAR 323691 | 70.10 2.61 0.00 | 66.39 1.85 0.00 | 57.55 1.92 0.00 | 58.90 1.73 0.00 | 55.31 2.10 0.00 | 59.49 2.43 0.00 | 84.54 3.42 0.00 | 95.87 2.29 -22.97 | 87.43 1.22 -17.16 | 64.85 1.99 -9.64 | 46.88 2.26 0.00 | 40.89 2.20 0.00 | 35.09 2.39 0.00 | 40.89 2.67 0.00 | 42.04 3.03 0.00 | 47.60 3.37 0.00 | 62.43 4.30 0.00 | 75.35 4.34 0.00 | 53.94 2.64 0.00 | 54.48 3.46 0.00 | 53.40 3.47 -0.01 | 56.84 3.66 -1.68 | 46.90 2.95 0.00 | 44.68 2.44 0.00 |

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|------------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| LITTLE FALLS___HYD 24013 | 70.11 2.61 0.00 | 66.93 2.40 0.00 | 57.67 2.05 0.00 | 59.37 2.19 0.00 | 55.05 1.85 0.00 | 59.13 2.07 0.00 | 84.17 3.06 0.00 | 73.41 2.80 0.00 | 71.73 2.68 0.00 | 54.84 1.62 0.00 | 45.31 0.70 0.00 | 39.08 0.39 0.00 | 32.82 0.12 0.00 | 38.26 0.04 0.00 | 39.25 0.24 0.00 | 44.77 0.53 0.00 | 59.50 1.37 0.00 | 73.13 2.12 0.00 | 53.06 1.76 0.00 | 53.09 2.06 0.00 | 51.88 1.95 0.00 | 53.87 2.37 0.00 | 45.72 1.77 0.00 | 43.69 1.45 0.00 |
| LITTLRIV_115KV_TB1 356100 | 70.67 3.17 0.00 | 67.70 3.17 0.00 | 58.38 2.75 0.00 | 59.92 2.75 0.00 | 55.82 2.61 0.00 | 59.90 2.84 0.00 | 85.26 4.14 0.00 | 74.02 3.41 0.00 | 71.06 2.01 0.00 | 54.54 1.32 0.00 | 45.78 1.16 0.00 | 39.65 0.97 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.62 0.61 0.00 | 44.98 0.74 0.00 | 59.24 1.11 0.00 | 73.13 2.12 0.00 | 53.05 1.75 0.00 | 52.51 1.49 0.00 | 51.49 1.57 0.00 | 52.93 1.43 0.00 | 45.44 1.50 0.00 | 44.05 1.81 0.00 |
| LI_NEWBRDGE___DRP 323616 | 69.13 1.63 0.00 | 65.96 1.43 0.00 | 57.00 1.38 0.00 | 58.37 1.19 0.00 | 54.49 1.28 0.00 | 58.48 1.42 0.00 | 82.99 1.88 0.00 | 94.99 1.40 -22.97 | 87.42 1.20 -17.16 | 64.41 1.55 -9.64 | 46.34 1.72 0.00 | 40.38 1.70 0.00 | 34.59 1.89 0.00 | 40.52 2.30 0.00 | 41.51 2.50 0.00 | 47.04 2.80 0.00 | 61.33 3.20 0.00 | 74.03 3.02 0.00 | 53.21 1.91 0.00 | 53.45 2.43 0.00 | 52.11 2.19 0.00 | 53.76 2.27 0.00 | 45.73 1.79 0.00 | 43.75 1.51 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 63.32 -4.18 0.00 | 59.86 -4.67 0.00 | 51.51 -4.12 0.00 | 52.92 -4.26 0.00 | 49.21 -4.00 0.00 | 52.14 -4.92 0.00 | 72.97 -8.14 0.00 | 64.51 -5.88 0.22 | 62.84 -6.13 0.09 | 48.47 -4.63 0.12 | 40.68 -3.94 0.00 | 34.97 -3.71 0.00 | 29.51 -3.19 0.00 | 34.64 -3.58 0.00 | 34.94 -4.07 0.00 | 39.31 -4.93 0.00 | 51.92 -6.21 0.00 | 64.41 -6.60 0.00 | 46.73 -4.57 0.00 | 45.94 -5.08 0.00 | 45.01 -4.92 0.00 | 46.27 -5.23 0.00 | 40.30 -3.65 0.00 | 39.49 -2.75 0.00 |
| LOCKPORT___CC1 323769 | 48.82 -3.93 14.76 | 53.39 -4.14 7.00 | 51.70 -3.93 0.00 | 53.18 -4.00 0.00 | 47.66 -3.47 2.08 | 48.97 -4.12 3.96 | 64.08 -7.15 9.88 | 57.09 -5.22 8.30 | 61.23 -5.31 2.51 | 40.55 -3.97 8.71 | 40.71 -3.90 0.00 | 35.05 -3.63 0.00 | 29.75 -2.95 0.00 | 34.97 -3.25 0.00 | 34.99 -4.02 0.00 | 39.38 -4.86 0.00 | 51.97 -6.17 0.00 | 64.15 -6.56 0.30 | 46.42 -4.56 0.32 | 45.96 -5.07 0.00 | 45.02 -4.91 0.00 | 46.28 -5.21 0.00 | 40.27 -3.67 0.00 | 39.48 -2.77 0.00 |
| LOCKPORT___CC2 323770 | 48.82 -3.93 14.76 | 53.39 -4.14 7.00 | 51.70 -3.93 0.00 | 53.18 -4.00 0.00 | 47.66 -3.47 2.08 | 48.97 -4.12 3.96 | 64.08 -7.15 9.88 | 57.09 -5.22 8.30 | 61.23 -5.31 2.51 | 40.55 -3.97 8.71 | 40.71 -3.90 0.00 | 35.05 -3.63 0.00 | 29.75 -2.95 0.00 | 34.97 -3.25 0.00 | 34.99 -4.02 0.00 | 39.38 -4.86 0.00 | 51.97 -6.17 0.00 | 64.15 -6.56 0.30 | 46.42 -4.56 0.32 | 45.96 -5.07 0.00 | 45.02 -4.91 0.00 | 46.28 -5.21 0.00 | 40.27 -3.67 0.00 | 39.48 -2.77 0.00 |
| LOCKPORT___CC3 323771 | 48.82 -3.93 14.76 | 53.39 -4.14 7.00 | 51.70 -3.93 0.00 | 53.18 -4.00 0.00 | 47.66 -3.47 2.08 | 48.97 -4.12 3.96 | 64.08 -7.15 9.88 | 57.09 -5.22 8.30 | 61.23 -5.31 2.51 | 40.55 -3.97 8.71 | 40.71 -3.90 0.00 | 35.05 -3.63 0.00 | 29.75 -2.95 0.00 | 34.97 -3.25 0.00 | 34.99 -4.02 0.00 | 39.38 -4.86 0.00 | 51.97 -6.17 0.00 | 64.15 -6.56 0.30 | 46.42 -4.56 0.32 | 45.96 -5.07 0.00 | 45.02 -4.91 0.00 | 46.28 -5.21 0.00 | 40.27 -3.67 0.00 | 39.48 -2.77 0.00 |
| LOCUSVLY_69_KV_BK2 55797 | 69.82 2.32 0.00 | 66.65 2.12 0.00 | 57.59 1.97 0.00 | 58.95 1.77 0.00 | 55.03 1.82 0.00 | 59.04 1.98 0.00 | 83.74 2.63 0.00 | 95.68 2.11 -22.97 | 88.16 1.95 -17.16 | 64.95 2.10 -9.64 | 46.84 2.23 0.00 | 40.80 2.12 0.00 | 34.92 2.22 0.00 | 40.94 2.72 0.00 | 41.89 2.88 0.00 | 47.44 3.20 0.00 | 61.81 3.68 0.00 | 74.68 3.68 0.00 | 53.70 2.40 0.00 | 53.84 2.81 0.00 | 52.48 2.55 0.00 | 53.78 2.64 0.36 | 46.09 2.15 0.00 | 44.14 1.90 0.00 |
| LONG_LAKE_PHOENIX 24014 | 64.89 -2.61 0.00 | 61.98 -2.55 0.00 | 53.39 -2.24 0.00 | 54.85 -2.32 0.00 | 51.11 -2.10 0.00 | 54.87 -2.19 0.00 | 78.03 -3.08 0.00 | 67.69 -2.92 0.00 | 66.18 -2.87 0.00 | 50.84 -2.38 0.00 | 42.55 -2.06 0.00 | 36.84 -1.84 0.00 | 31.09 -1.61 0.00 | 36.25 -1.97 0.00 | 36.96 -2.05 0.00 | 42.13 -2.11 0.00 | 55.69 -2.44 0.00 | 68.44 -2.57 0.00 | 49.57 -1.73 0.00 | 49.24 -1.78 0.00 | 48.11 -1.81 0.00 | 49.59 -1.91 0.00 | 42.31 -1.63 0.00 | 40.66 -1.59 0.00 |
| LOVETT___3 23632 | 68.18 0.68 0.00 | 65.23 0.70 0.00 | 56.34 0.71 0.00 | 57.73 0.56 0.00 | 53.76 0.55 0.00 | 57.69 0.63 0.00 | 82.24 1.13 0.00 | 93.99 1.01 -22.37 | 86.89 1.12 -16.72 | 63.66 1.06 -9.38 | 45.79 1.18 0.00 | 39.96 1.28 0.00 | 34.16 1.46 0.00 | 40.09 1.87 0.00 | 41.01 2.00 0.00 | 46.42 2.18 0.00 | 60.40 2.27 0.00 | 73.05 2.04 0.00 | 52.72 1.42 0.00 | 52.62 1.60 0.00 | 51.31 1.38 0.00 | 53.02 1.52 0.00 | 45.10 1.15 0.00 | 43.18 0.94 0.00 |
| LOVETT___4 23642 | 68.18 0.68 0.00 | 65.23 0.70 0.00 | 56.34 0.71 0.00 | 57.73 0.56 0.00 | 53.76 0.55 0.00 | 57.69 0.63 0.00 | 82.24 1.13 0.00 | 93.99 1.01 -22.37 | 86.89 1.12 -16.72 | 63.66 1.06 -9.38 | 45.79 1.18 0.00 | 39.96 1.28 0.00 | 34.16 1.46 0.00 | 40.09 1.87 0.00 | 41.01 2.00 0.00 | 46.42 2.18 0.00 | 60.40 2.27 0.00 | 73.05 2.04 0.00 | 52.72 1.42 0.00 | 52.62 1.60 0.00 | 51.31 1.38 0.00 | 53.02 1.52 0.00 | 45.10 1.15 0.00 | 43.18 0.94 0.00 |
| LOVETT___5 23593 | 68.18 0.68 0.00 | 65.23 0.70 0.00 | 56.34 0.71 0.00 | 57.73 0.56 0.00 | 53.76 0.55 0.00 | 57.69 0.63 0.00 | 82.24 1.13 0.00 | 93.99 1.01 -22.37 | 86.89 1.12 -16.72 | 63.66 1.06 -9.38 | 45.79 1.18 0.00 | 39.96 1.28 0.00 | 34.16 1.46 0.00 | 40.09 1.87 0.00 | 41.01 2.00 0.00 | 46.42 2.18 0.00 | 60.40 2.27 0.00 | 73.05 2.04 0.00 | 52.72 1.42 0.00 | 52.62 1.60 0.00 | 51.31 1.38 0.00 | 53.02 1.52 0.00 | 45.10 1.15 0.00 | 43.18 0.94 0.00 |
| LOWER RAQUET___HYD 24057 | 69.85 2.35 0.00 | 66.86 2.33 0.00 | 57.67 2.04 0.00 | 59.21 2.03 0.00 | 55.13 1.92 0.00 | 59.12 2.07 0.00 | 84.15 3.03 0.00 | 73.12 2.51 0.00 | 70.74 1.69 0.00 | 54.39 1.17 0.00 | 45.63 1.01 0.00 | 39.51 0.83 0.00 | 33.16 0.47 0.00 | 38.78 0.56 0.00 | 39.47 0.47 0.00 | 44.82 0.59 0.00 | 58.97 0.84 0.00 | 72.42 1.41 0.00 | 52.35 1.05 0.00 | 51.82 0.79 0.00 | 50.79 0.86 0.00 | 52.23 0.74 0.00 | 44.89 0.94 0.00 | 43.53 1.29 0.00 |
| LOWER___HUDSON 24059 | 69.69 2.19 0.00 | 66.76 2.23 0.00 | 57.47 1.84 0.00 | 59.10 1.93 0.00 | 54.97 1.76 0.00 | 58.93 1.87 0.00 | 83.76 2.65 0.00 | 356.72 2.30 -283.82 | 283.47 2.33 -212.09 | 173.95 1.66 -119.07 | 45.77 1.15 0.00 | 39.60 0.92 0.00 | 33.43 0.73 0.00 | 39.03 0.81 0.00 | 39.97 0.96 0.00 | 45.40 1.17 0.00 | 59.86 1.73 0.00 | 72.63 1.63 0.00 | 52.45 1.15 0.00 | 52.37 1.34 0.00 | 51.17 1.25 0.00 | 52.93 1.43 0.00 | 45.05 1.10 0.00 | 43.26 1.02 0.00 |
| LOWVILLE_115KV_TB2 356335 | 69.98 2.48 0.00 | 67.09 2.56 0.00 | 57.78 2.16 0.00 | 59.33 2.16 0.00 | 55.08 1.87 0.00 | 59.32 2.26 0.00 | 85.06 3.95 0.00 | 74.00 3.39 0.00 | 71.69 2.64 0.00 | 54.34 1.12 0.00 | 45.13 0.52 0.00 | 38.97 0.29 0.00 | 32.69 -0.02 0.00 | 38.13 -0.09 0.00 | 38.89 -0.12 0.00 | 44.29 0.06 0.00 | 58.84 0.71 0.00 | 73.52 2.51 0.00 | 53.65 2.35 0.00 | 53.14 2.12 0.00 | 51.36 1.43 0.00 | 53.00 1.51 0.00 | 45.48 1.53 0.00 | 43.91 1.67 0.00 |

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| LUTHERFT_115KV_GLOB_FND_222 355753 | 70.94 3.44 0.00 | 67.84 3.30 0.00 | 58.38 2.76 0.00 | 60.07 2.90 0.00 | 55.65 2.44 0.00 | 59.70 2.64 0.00 | 84.98 3.87 0.00 | 398.54 3.49 -324.44 | 314.83 3.33 -242.44 | 191.68 2.35 -136.11 | 46.29 1.68 0.00 | 39.93 1.25 0.00 | 33.60 0.90 0.00 | 39.17 0.95 0.00 | 40.12 1.11 0.00 | 45.69 1.45 0.00 | 60.56 2.43 0.00 | 73.96 2.95 0.00 | 53.38 2.09 0.00 | 53.24 2.22 0.00 | 52.05 2.12 0.00 | 53.73 2.23 0.00 | 45.68 1.74 0.00 | 43.81 1.57 0.00 |
| LUTHERNY_35_KV_BK2 355980 | 70.95 3.45 0.00 | 67.87 3.33 0.00 | 58.40 2.77 0.00 | 60.12 2.94 0.00 | 55.65 2.44 0.00 | 59.74 2.68 0.00 | 85.04 3.93 0.00 | 398.60 3.56 -324.44 | 314.88 3.39 -242.44 | 191.72 2.40 -136.11 | 46.32 1.70 0.00 | 39.94 1.26 0.00 | 33.60 0.90 0.00 | 39.20 0.98 0.00 | 40.14 1.13 0.00 | 45.71 1.48 0.00 | 60.61 2.48 0.00 | 74.04 3.03 0.00 | 53.42 2.12 0.00 | 53.25 2.22 0.00 | 52.10 2.17 0.00 | 53.82 2.33 0.00 | 45.73 1.78 0.00 | 43.81 1.57 0.00 |
| LWR__OSWEGATCHIE_HYD 23850 | 69.76 2.26 0.00 | 66.85 2.32 0.00 | 57.61 1.98 0.00 | 59.15 1.98 0.00 | 55.01 1.80 0.00 | 59.13 2.07 0.00 | 84.47 3.36 0.00 | 73.43 2.82 0.00 | 71.01 1.96 0.00 | 54.15 0.92 0.00 | 45.18 0.57 0.00 | 39.06 0.38 0.00 | 32.76 0.06 0.00 | 38.26 0.04 0.00 | 38.96 -0.05 0.00 | 44.32 0.08 0.00 | 58.65 0.52 0.00 | 72.79 1.78 0.00 | 52.91 1.61 0.00 | 52.38 1.36 0.00 | 50.94 1.02 0.00 | 52.51 1.02 0.00 | 45.10 1.16 0.00 | 43.64 1.40 0.00 |
| LYONS_FALL_HYD 23570 | 69.63 2.13 0.00 | 66.66 2.13 0.00 | 57.44 1.81 0.00 | 59.01 1.83 0.00 | 54.82 1.61 0.00 | 59.01 1.95 0.00 | 84.42 3.31 0.00 | 73.48 2.87 0.00 | 71.39 2.34 0.00 | 54.39 1.17 0.00 | 45.30 0.69 0.00 | 39.13 0.45 0.00 | 32.87 0.17 0.00 | 38.32 0.10 0.00 | 39.10 0.09 0.00 | 44.50 0.26 0.00 | 58.99 0.86 0.00 | 73.30 2.29 0.00 | 53.32 2.03 0.00 | 52.89 1.86 0.00 | 51.32 1.39 0.00 | 52.95 1.45 0.00 | 45.32 1.38 0.00 | 43.66 1.42 0.00 |
| MADISON__COUNTY_LFGE 323628 | 69.08 1.58 0.00 | 66.01 1.48 0.00 | 56.89 1.27 0.00 | 58.51 1.33 0.00 | 54.42 1.22 0.00 | 58.57 1.51 0.00 | 83.52 2.41 0.00 | 72.67 2.06 0.00 | 70.89 1.84 0.00 | 54.31 1.09 0.00 | 45.36 0.75 0.00 | 39.16 0.47 0.00 | 32.92 0.22 0.00 | 38.32 0.10 0.00 | 39.11 0.11 0.00 | 44.52 0.28 0.00 | 58.92 0.79 0.00 | 72.84 1.83 0.00 | 52.89 1.60 0.00 | 52.55 1.53 0.00 | 51.29 1.36 0.00 | 52.84 1.34 0.00 | 45.05 1.11 0.00 | 43.28 1.04 0.00 |
| MALONE__115KV_TB1 356076 | 70.50 3.00 0.00 | 67.28 2.75 0.00 | 58.03 2.40 0.00 | 59.65 2.47 0.00 | 55.50 2.29 0.00 | 59.39 2.33 0.00 | 84.37 3.26 0.00 | 73.31 2.70 0.00 | 71.24 2.19 0.00 | 54.92 1.71 0.00 | 46.18 1.57 0.00 | 39.99 1.31 0.00 | 33.40 0.70 0.00 | 39.03 0.81 0.00 | 39.72 0.71 0.00 | 45.19 0.96 0.00 | 59.82 1.69 0.00 | 73.73 2.72 0.00 | 53.42 2.12 0.00 | 52.94 1.92 0.00 | 51.88 1.95 0.00 | 53.25 1.76 0.00 | 45.52 1.57 0.00 | 43.82 1.57 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 69.64 2.14 0.00 | 66.71 2.18 0.00 | 57.45 1.83 0.00 | 59.06 1.88 0.00 | 54.95 1.74 0.00 | 58.88 1.82 0.00 | 83.74 2.63 0.00 | 302.49 2.18 -229.70 | 243.03 2.33 -171.65 | 151.28 1.69 -96.37 | 45.89 1.27 0.00 | 39.73 1.05 0.00 | 33.55 0.85 0.00 | 39.15 0.93 0.00 | 40.10 1.09 0.00 | 45.53 1.29 0.00 | 59.92 1.79 0.00 | 72.80 1.79 0.00 | 52.60 1.30 0.00 | 52.48 1.45 0.00 | 51.27 1.35 0.00 | 53.02 1.53 0.00 | 45.12 1.18 0.00 | 43.33 1.08 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 67.32 -0.17 0.00 | 64.47 -0.06 0.00 | 55.57 -0.05 0.00 | 57.12 -0.06 0.00 | 53.14 -0.07 0.00 | 56.99 -0.06 0.00 | 81.11 0.00 0.00 | 70.70 0.09 0.00 | 69.18 0.13 0.00 | 53.27 0.05 0.00 | 44.64 0.02 0.00 | 38.71 0.02 0.00 | 32.73 0.03 0.00 | 38.25 0.03 0.00 | 39.05 0.04 0.00 | 44.22 -0.02 0.00 | 58.07 -0.06 0.00 | 70.90 -0.11 0.00 | 50.83 -0.47 0.00 | 50.49 -0.54 0.00 | 49.02 -0.91 0.00 | 50.60 -0.89 0.00 | 43.62 -0.32 0.00 | 42.11 -0.13 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 67.32 -0.17 0.00 | 64.47 -0.06 0.00 | 55.57 -0.05 0.00 | 57.12 -0.06 0.00 | 53.14 -0.07 0.00 | 56.99 -0.06 0.00 | 81.11 0.00 0.00 | 70.70 0.09 0.00 | 69.18 0.13 0.00 | 53.27 0.05 0.00 | 44.64 0.02 0.00 | 38.71 0.02 0.00 | 32.73 0.03 0.00 | 38.25 0.03 0.00 | 39.05 0.04 0.00 | 44.22 -0.02 0.00 | 58.07 -0.06 0.00 | 70.90 -0.11 0.00 | 50.83 -0.47 0.00 | 50.49 -0.54 0.00 | 49.02 -0.91 0.00 | 50.60 -0.89 0.00 | 43.62 -0.32 0.00 | 42.11 -0.13 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 69.10 1.60 0.00 | 65.93 1.40 0.00 | 56.87 1.24 0.00 | 58.45 1.28 0.00 | 54.38 1.17 0.00 | 58.08 1.02 0.00 | 82.41 1.29 0.00 | 71.49 0.88 0.00 | 69.78 0.73 0.00 | 54.07 0.86 0.00 | 45.50 0.89 0.00 | 39.39 0.70 0.00 | 32.96 0.26 0.00 | 38.52 0.30 0.00 | 39.22 0.21 0.00 | 44.60 0.36 0.00 | 59.01 0.87 0.00 | 72.44 1.43 0.00 | 52.23 0.93 0.00 | 51.89 0.86 0.00 | 50.92 0.99 0.00 | 52.31 0.81 0.00 | 44.58 0.64 0.00 | 42.88 0.63 0.00 |
| MARSHVLE_115KV_TB1 80742 | 70.11 2.61 0.00 | 67.02 2.48 0.00 | 57.73 2.11 0.00 | 59.29 2.11 0.00 | 55.19 1.98 0.00 | 59.27 2.21 0.00 | 84.23 3.12 0.00 | 367.74 2.96 -294.17 | 291.35 2.48 -219.83 | 177.81 1.19 -123.41 | 45.14 0.53 0.00 | 38.82 0.14 0.00 | 32.57 -0.13 0.00 | 37.93 -0.29 0.00 | 38.68 -0.33 0.00 | 43.96 -0.28 0.00 | 58.74 0.61 0.00 | 73.42 2.41 0.00 | 53.53 2.24 0.00 | 53.08 2.06 0.00 | 51.86 1.94 0.00 | 53.35 1.85 0.00 | 45.53 1.58 0.00 | 43.85 1.61 0.00 |
| MARSH_HILL_WT_PWR 323713 | 68.84 -2.66 -4.00 | 64.42 -2.01 -1.90 | 53.81 -1.82 0.00 | 55.74 -1.43 0.00 | 52.77 -1.00 -0.56 | 56.96 -1.17 -1.07 | 81.43 -2.39 -2.71 | 79.55 -1.40 -10.34 | 73.84 -1.68 -6.46 | 57.84 -1.35 -5.97 | 43.44 0.00 0.00 | 37.25 0.00 0.00 | 31.34 0.00 0.00 | 36.63 0.00 0.00 | 37.01 0.00 0.00 | 41.76 0.00 0.00 | 55.21 0.00 0.00 | 68.57 -2.55 -0.11 | 49.61 -1.81 -0.12 | 48.61 -2.42 0.00 | 47.42 -2.51 0.00 | 48.96 -2.54 0.00 | 42.65 -1.29 0.00 | 41.68 -0.56 0.00 |
| MCINTYRE_115KV_TB2 80467 | 71.01 3.51 0.00 | 67.99 3.47 0.00 | 58.65 3.02 0.00 | 60.21 3.03 0.00 | 56.08 2.87 0.00 | 60.20 3.14 0.00 | 85.66 4.55 0.00 | 74.33 3.72 0.00 | 71.19 2.14 0.00 | 54.68 1.47 0.00 | 45.91 1.29 0.00 | 39.78 1.10 0.00 | 33.42 0.72 0.00 | 39.10 0.88 0.00 | 39.78 0.77 0.00 | 45.15 0.91 0.00 | 59.49 1.36 0.00 | 73.58 2.57 0.00 | 53.53 2.23 0.00 | 53.01 1.99 0.00 | 52.03 2.10 0.00 | 53.45 1.96 0.00 | 45.83 1.88 0.00 | 44.32 2.08 0.00 |
| MECO____69_KV_BK1 80468 | 71.45 3.94 0.00 | 68.29 3.76 0.00 | 58.80 3.17 0.00 | 60.38 3.21 0.00 | 56.13 2.93 0.00 | 60.31 3.26 0.00 | 86.00 4.88 0.00 | 391.17 4.62 -315.93 | 309.25 4.12 -236.09 | 188.16 2.40 -132.54 | 45.98 1.37 0.00 | 39.28 0.60 0.00 | 32.74 0.04 0.00 | 37.96 -0.26 0.00 | 38.77 -0.23 0.00 | 44.22 -0.02 0.00 | 59.49 1.36 0.00 | 74.67 3.66 0.00 | 54.51 3.21 0.00 | 54.19 3.16 0.00 | 52.92 3.00 0.00 | 54.44 2.94 0.00 | 46.34 2.40 0.00 | 44.54 2.30 0.00 |
| MENANDS__115KV_TB5 355628 | 69.46 1.96 0.00 | 66.56 2.03 0.00 | 57.31 1.69 0.00 | 58.91 1.73 0.00 | 54.81 1.60 0.00 | 58.72 1.66 0.00 | 83.50 2.38 0.00 | 290.98 1.88 -218.48 | 234.40 2.08 -163.27 | 146.38 1.50 -91.66 | 45.73 1.12 0.00 | 39.64 0.95 0.00 | 33.51 0.81 0.00 | 39.14 0.92 0.00 | 40.09 1.08 0.00 | 45.49 1.25 0.00 | 59.77 1.64 0.00 | 72.49 1.48 0.00 | 52.38 1.08 0.00 | 52.24 1.22 0.00 | 51.05 1.13 0.00 | 52.82 1.32 0.00 | 44.96 1.02 0.00 | 43.18 0.93 0.00 |

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| MG INDUSTRY___DRP 24185 | 69.20 1.70 0.00 | 66.27 1.74 0.00 | 57.11 1.48 0.00 | 58.75 1.57 0.00 | 54.64 1.43 0.00 | 58.59 1.53 0.00 | 83.28 2.17 0.00 | 202.22 1.69 -129.92 | 167.86 1.73 -97.09 | 108.94 1.21 -54.50 | 45.50 0.89 0.00 | 39.39 0.71 0.00 | 33.29 0.59 0.00 | 38.87 0.65 0.00 | 39.78 0.77 0.00 | 45.15 0.92 0.00 | 59.44 1.31 0.00 | 72.43 1.42 0.00 | 52.34 1.04 0.00 | 52.17 1.15 0.00 | 51.01 1.09 0.00 | 52.71 1.21 0.00 | 44.91 0.97 0.00 | 43.14 0.90 0.00 |
| MID___OSWEGATCHIE_HYD 23849 | 69.76 2.26 0.00 | 66.85 2.32 0.00 | 57.61 1.98 0.00 | 59.15 1.98 0.00 | 55.01 1.80 0.00 | 59.13 2.07 0.00 | 84.47 3.36 0.00 | 73.43 2.82 0.00 | 71.01 1.96 0.00 | 54.15 0.92 0.00 | 45.18 0.57 0.00 | 39.06 0.38 0.00 | 32.76 0.06 0.00 | 38.26 0.04 0.00 | 38.96 -0.05 0.00 | 44.32 0.08 0.00 | 58.65 0.52 0.00 | 72.79 1.78 0.00 | 52.91 1.61 0.00 | 52.38 1.36 0.00 | 50.94 1.02 0.00 | 52.51 1.02 0.00 | 45.10 1.16 0.00 | 43.64 1.40 0.00 |
| MID___RAQUETTE_HYD 23851 | 69.86 2.36 0.00 | 66.86 2.33 0.00 | 57.67 2.04 0.00 | 59.21 2.04 0.00 | 55.12 1.92 0.00 | 59.13 2.07 0.00 | 84.15 3.03 0.00 | 73.12 2.51 0.00 | 70.75 1.70 0.00 | 54.38 1.17 0.00 | 45.63 1.01 0.00 | 39.52 0.84 0.00 | 33.17 0.47 0.00 | 38.78 0.56 0.00 | 39.47 0.46 0.00 | 44.82 0.59 0.00 | 58.97 0.84 0.00 | 72.42 1.41 0.00 | 52.34 1.05 0.00 | 51.82 0.80 0.00 | 50.79 0.86 0.00 | 52.23 0.74 0.00 | 44.89 0.94 0.00 | 43.53 1.29 0.00 |
| MILLIKEN___1 23584 | 67.86 0.36 0.00 | 64.73 0.20 0.00 | 55.81 0.19 0.00 | 57.45 0.28 0.00 | 53.41 0.20 0.00 | 57.35 0.29 0.00 | 81.53 0.42 0.00 | 78.67 0.27 -7.79 | 74.95 0.08 -5.82 | 56.34 -0.14 -3.27 | 44.49 -0.13 0.00 | 38.43 -0.25 0.00 | 32.39 -0.31 0.00 | 37.67 -0.56 0.00 | 38.29 -0.72 0.00 | 43.58 -0.66 0.00 | 57.67 -0.46 0.00 | 71.20 0.19 0.00 | 51.82 0.52 0.00 | 51.54 0.51 0.00 | 50.32 0.39 0.00 | 51.89 0.40 0.00 | 44.31 0.37 0.00 | 42.62 0.38 0.00 |
| MILLIKEN___2 23585 | 67.86 0.36 0.00 | 64.73 0.20 0.00 | 55.81 0.19 0.00 | 57.45 0.28 0.00 | 53.41 0.20 0.00 | 57.35 0.29 0.00 | 81.53 0.42 0.00 | 78.67 0.27 -7.79 | 74.95 0.08 -5.82 | 56.34 -0.14 -3.27 | 44.49 -0.13 0.00 | 38.43 -0.25 0.00 | 32.39 -0.31 0.00 | 37.67 -0.56 0.00 | 38.29 -0.72 0.00 | 43.58 -0.66 0.00 | 57.67 -0.46 0.00 | 71.20 0.19 0.00 | 51.82 0.52 0.00 | 51.54 0.51 0.00 | 50.32 0.39 0.00 | 51.89 0.40 0.00 | 44.31 0.37 0.00 | 42.62 0.38 0.00 |
| MILLIKEN___DIESEL 23629 | 67.86 0.36 0.00 | 64.73 0.20 0.00 | 55.81 0.19 0.00 | 57.45 0.28 0.00 | 53.41 0.20 0.00 | 57.35 0.29 0.00 | 81.53 0.42 0.00 | 78.67 0.27 -7.79 | 74.95 0.08 -5.82 | 56.34 -0.14 -3.27 | 44.49 -0.13 0.00 | 38.43 -0.25 0.00 | 32.39 -0.31 0.00 | 37.67 -0.56 0.00 | 38.29 -0.72 0.00 | 43.58 -0.66 0.00 | 57.67 -0.46 0.00 | 71.20 0.19 0.00 | 51.82 0.52 0.00 | 51.54 0.51 0.00 | 50.32 0.39 0.00 | 51.89 0.40 0.00 | 44.31 0.37 0.00 | 42.62 0.38 0.00 |
| MILLSEAT___LFGE 323607 | 52.66 -2.62 12.22 | 55.51 -3.23 5.80 | 52.72 -2.90 0.00 | 54.20 -2.97 0.00 | 48.80 -2.69 1.72 | 50.41 -3.36 3.28 | 67.41 -5.55 8.15 | 60.07 -3.64 6.91 | 64.90 -2.27 1.88 | 44.34 -2.54 6.33 | 41.79 -2.82 0.00 | 35.87 -2.81 0.00 | 30.19 -2.51 0.00 | 35.37 -2.85 0.00 | 35.73 -3.28 0.00 | 40.44 -3.79 0.00 | 54.09 -4.04 0.00 | 67.78 -3.00 0.23 | 49.53 -1.52 0.25 | 49.14 -1.89 0.00 | 48.04 -1.89 0.00 | 49.35 -2.14 0.00 | 42.56 -1.39 0.00 | 41.37 -0.87 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 68.65 1.15 0.00 | 65.67 1.14 0.00 | 56.71 1.08 0.00 | 58.11 0.94 0.00 | 54.10 0.89 0.00 | 58.09 1.03 0.00 | 82.82 1.70 0.00 | 94.91 1.51 -22.79 | 87.65 1.57 -17.03 | 64.19 1.41 -9.56 | 46.03 1.42 0.00 | 40.11 1.43 0.00 | 34.28 1.58 0.00 | 40.23 2.01 0.00 | 41.16 2.16 0.00 | 46.60 2.37 0.00 | 60.68 2.55 0.00 | 73.44 2.43 0.00 | 53.01 1.71 0.00 | 52.93 1.90 0.00 | 51.60 1.68 0.00 | 53.30 1.81 0.00 | 45.31 1.37 0.00 | 43.37 1.12 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 68.83 1.33 0.00 | 65.82 1.29 0.00 | 56.85 1.22 0.00 | 58.25 1.08 0.00 | 54.24 1.03 0.00 | 58.23 1.17 0.00 | 83.03 1.92 0.00 | 95.09 1.70 -22.79 | 87.85 1.77 -17.03 | 64.32 1.54 -9.56 | 46.14 1.53 0.00 | 40.19 1.51 0.00 | 34.35 1.65 0.00 | 40.30 2.08 0.00 | 41.24 2.23 0.00 | 46.71 2.47 0.00 | 60.82 2.69 0.00 | 73.65 2.64 0.00 | 53.17 1.87 0.00 | 53.07 2.04 0.00 | 51.76 1.83 0.00 | 53.43 1.94 0.00 | 45.42 1.47 0.00 | 43.47 1.22 0.00 |
| MODEL_CITY_ENERGY 24167 | 48.08 -4.82 14.60 | 52.25 -5.35 6.93 | 50.96 -4.66 0.00 | 52.35 -4.82 0.00 | 46.63 -4.53 2.05 | 47.52 -5.62 3.92 | 62.15 -9.22 9.74 | 55.23 -6.92 8.46 | 59.46 -7.02 2.58 | 39.42 -5.25 8.56 | 40.18 -4.44 0.00 | 34.60 -4.08 0.00 | 29.19 -3.51 0.00 | 34.26 -3.96 0.00 | 34.52 -4.49 0.00 | 38.83 -5.41 0.00 | 51.20 -6.93 0.00 | 63.21 -7.48 0.31 | 45.72 -5.24 0.34 | 45.28 -5.74 0.00 | 44.36 -5.56 0.00 | 45.61 -5.88 0.00 | 39.76 -4.18 0.00 | 39.04 -3.20 0.00 |
| MODERN_LFGE___ 323580 | 48.08 -4.82 14.60 | 52.25 -5.35 6.93 | 50.96 -4.66 0.00 | 52.35 -4.82 0.00 | 46.63 -4.53 2.05 | 47.52 -5.62 3.92 | 62.15 -9.22 9.74 | 55.23 -6.92 8.46 | 59.46 -7.02 2.58 | 39.42 -5.25 8.56 | 40.18 -4.44 0.00 | 34.60 -4.08 0.00 | 29.19 -3.51 0.00 | 34.26 -3.96 0.00 | 34.52 -4.49 0.00 | 38.83 -5.41 0.00 | 51.20 -6.93 0.00 | 63.21 -7.48 0.31 | 45.72 -5.24 0.34 | 45.28 -5.74 0.00 | 44.36 -5.56 0.00 | 45.61 -5.88 0.00 | 39.76 -4.18 0.00 | 39.04 -3.20 0.00 |
| MOHAWK_PAPER___DRP 24187 | 69.64 2.14 0.00 | 66.71 2.18 0.00 | 57.45 1.83 0.00 | 59.06 1.88 0.00 | 54.95 1.74 0.00 | 58.88 1.82 0.00 | 83.74 2.63 0.00 | 302.49 2.18 -229.70 | 243.03 2.33 -171.65 | 151.28 1.69 -96.37 | 45.89 1.27 0.00 | 39.73 1.05 0.00 | 33.55 0.85 0.00 | 39.15 0.93 0.00 | 40.10 1.09 0.00 | 45.53 1.29 0.00 | 59.92 1.79 0.00 | 72.80 1.79 0.00 | 52.60 1.30 0.00 | 52.48 1.45 0.00 | 51.27 1.35 0.00 | 53.02 1.53 0.00 | 45.12 1.18 0.00 | 43.33 1.08 0.00 |
| MOHICAN_35_KV_115KV_LD 80490 | 72.13 4.63 0.00 | 68.88 4.35 0.00 | 59.24 3.61 0.00 | 61.01 3.83 0.00 | 56.39 3.18 0.00 | 60.50 3.44 0.00 | 86.02 4.90 0.00 | 400.45 4.08 -325.76 | 316.21 3.73 -243.44 | 192.51 2.63 -136.67 | 46.44 1.82 0.00 | 39.91 1.22 0.00 | 33.55 0.85 0.00 | 39.06 0.84 0.00 | 40.06 1.05 0.00 | 45.71 1.47 0.00 | 60.93 2.79 0.00 | 74.64 3.63 0.00 | 53.80 2.50 0.00 | 53.73 2.70 0.00 | 52.49 2.57 0.00 | 54.10 2.61 0.00 | 45.92 1.98 0.00 | 44.00 1.76 0.00 |
| MONGAUP___HYD 23641 | 69.24 1.74 0.00 | 66.20 1.67 0.00 | 57.09 1.46 0.00 | 58.60 1.42 0.00 | 54.53 1.33 0.00 | 58.57 1.51 0.00 | 83.51 2.40 0.00 | 93.79 2.10 -21.08 | 86.93 2.12 -15.75 | 63.67 1.61 -8.84 | 45.85 1.24 0.00 | 39.82 1.14 0.00 | 33.83 1.13 0.00 | 39.48 1.26 0.00 | 40.33 1.32 0.00 | 45.67 1.43 0.00 | 59.67 1.54 0.00 | 73.30 2.29 0.00 | 53.32 2.03 0.00 | 53.21 2.18 0.00 | 51.92 2.00 0.00 | 53.59 2.09 0.00 | 45.56 1.62 0.00 | 43.60 1.35 0.00 |
| MONTAUK___DIESEL 23721 | 69.48 1.98 0.00 | 65.59 1.06 0.00 | 56.90 1.27 0.00 | 58.27 1.10 0.00 | 54.79 1.58 0.00 | 59.20 2.14 0.00 | 85.37 4.26 0.00 | 97.22 3.64 -22.97 | 88.80 2.58 -17.16 | 65.99 3.14 -9.64 | 47.90 3.28 0.00 | 41.78 3.10 0.00 | 35.82 3.11 0.00 | 41.75 3.53 0.00 | 42.82 3.81 0.00 | 48.58 4.34 0.00 | 63.93 5.79 0.00 | 77.23 6.22 0.00 | 55.38 4.08 0.00 | 56.06 5.04 0.00 | 54.94 5.01 -0.01 | 58.45 5.24 -1.72 | 48.17 4.22 0.00 | 45.90 3.65 0.00 |

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| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 66.91 -0.59 0.00 | 63.52 -1.01 0.00 | 54.57 -1.06 0.00 | 56.21 -0.96 0.00 | 52.47 -0.73 0.00 | 56.07 -0.99 0.00 | 78.83 -2.29 0.00 | 71.92 0.23 -1.09 | 69.61 0.25 -0.31 | 53.98 0.29 -0.47 | 44.62 0.00 0.00 | 38.32 -0.37 0.00 | 32.45 -0.25 0.00 | 38.20 -0.02 0.00 | 38.49 -0.53 0.00 | 42.93 -1.31 0.00 | 56.34 -1.79 0.00 | 69.64 -1.37 0.00 | 50.50 -0.80 0.00 | 49.44 -1.59 0.00 | 48.43 -1.50 0.00 | 49.83 -1.67 0.00 | 43.04 -0.90 0.00 | 41.77 -0.48 0.00 |
| MORRIS_RIDGE___SOLAR 323848 | 62.87 -2.80 1.83 | 60.96 -2.70 0.87 | 53.17 -2.46 0.00 | 54.88 -2.30 0.00 | 50.98 -1.97 0.26 | 54.29 -2.28 0.49 | 75.91 -4.07 1.13 | 75.20 -2.81 -7.40 | 71.38 -3.04 -5.37 | 53.96 -2.37 -3.11 | 42.52 -2.10 0.00 | 36.50 -2.18 0.00 | 30.79 -1.91 0.00 | 36.10 -2.12 0.00 | 36.47 -2.54 0.00 | 41.12 -3.12 0.00 | 54.27 -3.86 0.00 | 67.37 -3.64 0.00 | 48.87 -2.43 0.00 | 48.11 -2.91 0.00 | 47.02 -2.91 0.00 | 48.58 -2.91 0.00 | 42.04 -1.91 0.00 | 40.97 -1.27 0.00 |
| MORTIMER_115KV_TB3 55949 | 65.40 -2.11 0.00 | 62.15 -2.38 0.00 | 53.39 -2.24 0.00 | 54.90 -2.28 0.00 | 51.25 -1.96 0.00 | 54.88 -2.18 0.00 | 77.69 -3.42 0.00 | 67.92 -2.69 0.00 | 66.17 -2.88 0.00 | 50.77 -2.45 0.00 | 42.38 -2.23 0.00 | 36.55 -2.13 0.00 | 30.85 -1.85 0.00 | 36.11 -2.10 0.00 | 36.63 -2.38 0.00 | 41.69 -2.55 0.00 | 55.32 -2.81 0.00 | 68.42 -2.59 0.00 | 49.57 -1.72 0.00 | 49.04 -1.99 0.00 | 47.92 -2.01 0.00 | 49.31 -2.19 0.00 | 42.33 -1.62 0.00 | 40.90 -1.34 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 69.05 1.55 0.00 | 66.04 1.51 0.00 | 57.04 1.41 0.00 | 58.39 1.22 0.00 | 54.37 1.16 0.00 | 58.43 1.37 0.00 | 83.37 2.25 0.00 | 95.56 1.99 -22.97 | 88.26 2.05 -17.16 | 64.65 1.80 -9.64 | 46.37 1.76 0.00 | 40.40 1.72 0.00 | 34.54 1.84 0.00 | 40.58 2.36 0.00 | 41.54 2.53 0.00 | 47.05 2.82 0.00 | 61.20 3.07 0.00 | 74.04 3.03 0.00 | 53.41 2.12 0.00 | 53.34 2.31 0.00 | 52.00 2.07 0.00 | 53.70 2.20 0.00 | 45.65 1.70 0.00 | 43.65 1.41 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 76.14 4.65 -3.99 | 70.21 3.79 -1.89 | 59.27 3.64 0.00 | 61.26 4.08 0.00 | 57.62 3.85 -0.56 | 62.41 4.28 -1.07 | 90.31 6.54 -2.66 | 97.20 5.97 -20.63 | 88.77 5.29 -14.43 | 66.80 3.56 -10.01 | 47.37 2.75 0.00 | 40.45 1.76 0.00 | 33.74 1.04 0.00 | 39.29 1.07 0.00 | 40.03 1.02 0.00 | 45.75 1.51 0.00 | 61.20 3.07 0.00 | 76.60 5.49 -0.09 | 55.90 4.50 -0.10 | 55.24 4.22 0.00 | 54.07 4.15 0.00 | 55.57 4.07 0.00 | 47.13 3.19 0.00 | 45.14 2.90 0.00 |
| N SALMON___HYD 24042 | 70.50 3.00 0.00 | 67.29 2.76 0.00 | 58.03 2.40 0.00 | 59.64 2.47 0.00 | 55.50 2.29 0.00 | 59.39 2.33 0.00 | 84.37 3.26 0.00 | 73.31 2.70 0.00 | 71.24 2.19 0.00 | 54.92 1.70 0.00 | 46.18 1.57 0.00 | 39.99 1.31 0.00 | 33.40 0.70 0.00 | 39.03 0.81 0.00 | 39.72 0.71 0.00 | 45.19 0.96 0.00 | 59.82 1.69 0.00 | 73.73 2.72 0.00 | 53.42 2.13 0.00 | 52.94 1.92 0.00 | 51.88 1.95 0.00 | 53.25 1.76 0.00 | 45.52 1.57 0.00 | 43.82 1.58 0.00 |
| N.AKRON___115KV_KNAPP 355671 | 64.42 -3.09 0.00 | 60.91 -3.62 0.00 | 52.40 -3.23 0.00 | 53.85 -3.32 0.00 | 50.12 -3.09 0.00 | 53.23 -3.82 0.00 | 74.79 -6.32 0.00 | 66.07 -4.34 0.20 | 64.54 -4.43 0.08 | 49.48 -3.64 0.10 | 41.26 -3.35 0.00 | 35.41 -3.27 0.00 | 29.86 -2.85 0.00 | 35.03 -3.20 0.00 | 35.34 -3.67 0.00 | 39.87 -4.37 0.00 | 53.11 -5.02 0.00 | 66.07 -4.94 0.00 | 48.08 -3.22 0.00 | 47.35 -3.67 0.00 | 46.36 -3.57 0.00 | 47.63 -3.86 0.00 | 41.34 -2.61 0.00 | 40.36 -1.89 0.00 |
| N.E._GEN_SANDY PD 24062 | 64.00 1.62 5.12 | 66.30 1.77 0.00 | 57.13 1.50 0.00 | 59.28 1.53 -0.57 | 60.27 1.45 -5.61 | 59.76 1.49 -1.21 | 82.05 2.11 1.17 | 225.63 1.65 -153.37 | 180.89 1.76 -110.08 | 121.84 1.37 -67.24 | 44.85 0.93 0.70 | 39.49 0.80 0.00 | 33.59 0.79 -0.10 | 38.50 0.98 0.70 | 40.25 1.19 -0.05 | 45.55 1.31 0.00 | 59.75 1.62 0.00 | 57.51 1.13 14.63 | 52.08 0.78 0.00 | 52.05 1.02 0.00 | 50.31 0.91 0.53 | 52.62 1.13 0.00 | 44.78 0.84 0.00 | 42.98 0.74 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 68.27 0.77 0.00 | 65.32 0.79 0.00 | 56.42 0.79 0.00 | 57.81 0.63 0.00 | 53.83 0.62 0.00 | 57.77 0.71 0.00 | 82.36 1.25 0.00 | 94.01 1.13 -22.28 | 86.94 1.24 -16.65 | 63.72 1.15 -9.35 | 45.87 1.25 0.00 | 40.03 1.35 0.00 | 34.22 1.52 0.00 | 40.15 1.93 0.00 | 41.07 2.06 0.00 | 46.50 2.27 0.00 | 60.51 2.39 0.00 | 73.21 2.20 0.00 | 52.84 1.54 0.00 | 52.74 1.71 0.00 | 51.41 1.48 0.00 | 53.12 1.62 0.00 | 45.18 1.24 0.00 | 43.26 1.02 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 69.10 1.61 0.00 | 66.18 1.64 0.00 | 57.12 1.49 0.00 | 58.46 1.28 0.00 | 54.44 1.23 0.00 | 58.55 1.49 0.00 | 83.53 2.41 0.00 | 95.76 2.19 -22.97 | 88.47 2.26 -17.16 | 64.82 1.96 -9.64 | 46.58 1.97 0.00 | 40.58 1.90 0.00 | 34.71 2.01 0.00 | 40.70 2.48 0.00 | 41.70 2.69 0.00 | 47.23 3.00 0.00 | 61.38 3.25 0.00 | 74.05 3.03 0.00 | 53.50 2.20 0.00 | 53.46 2.44 0.00 | 52.08 2.15 0.00 | 53.85 2.35 0.00 | 45.76 1.82 0.00 | 43.72 1.48 0.00 |
| N.TROY___115KV_TB1 355778 | 69.68 2.18 0.00 | 66.76 2.23 0.00 | 57.47 1.84 0.00 | 59.10 1.93 0.00 | 54.97 1.76 0.00 | 58.93 1.87 0.00 | 83.76 2.65 0.00 | 356.72 2.29 -283.82 | 283.47 2.33 -212.09 | 173.95 1.66 -119.07 | 45.77 1.15 0.00 | 39.60 0.92 0.00 | 33.43 0.73 0.00 | 39.03 0.81 0.00 | 39.97 0.96 0.00 | 45.40 1.17 0.00 | 59.86 1.73 0.00 | 72.63 1.62 0.00 | 52.45 1.16 0.00 | 52.37 1.35 0.00 | 51.17 1.25 0.00 | 52.93 1.43 0.00 | 45.04 1.10 0.00 | 43.26 1.02 0.00 |
| NARROWS_GT1_1 24228 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT1_2 24229 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT1_3 24230 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT1_4 24231 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |

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|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|---------------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| NARROWS_GT1_5 24232 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT1_6 24233 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT1_7 24234 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT1_8 24235 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_1 24236 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_2 24237 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_3 24238 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_4 24239 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_5 24240 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_6 24241 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_7 24242 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NARROWS_GT2_8 24243 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.87 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 71.14 3.64 0.00 | 68.08 3.55 0.00 | 58.63 3.00 0.00 | 60.31 3.13 0.00 | 56.12 2.92 0.00 | 60.24 3.18 0.00 | 85.91 4.79 0.00 | 201.19 3.98 -126.60 | 167.61 3.95 -94.60 | 109.05 2.72 -53.11 | 46.41 1.80 0.00 | 40.05 1.37 0.00 | 33.76 1.06 0.00 | 39.31 1.09 0.00 | 40.23 1.22 0.00 | 45.75 1.51 0.00 | 60.53 2.39 0.00 | 74.31 3.30 0.00 | 53.96 2.67 0.00 | 53.81 2.78 0.00 | 52.57 2.64 0.00 | 54.26 2.77 0.00 | 46.14 2.20 0.00 | 44.28 2.04 0.00 |
| NCHELSEA_115KV_TR2 355582 | 69.32 1.82 0.00 | 66.32 1.79 0.00 | 57.25 1.63 0.00 | 58.73 1.56 0.00 | 54.66 1.45 0.00 | 58.70 1.65 0.00 | 83.66 2.55 0.00 | 97.05 2.24 -24.19 | 89.47 2.34 -18.08 | 65.27 1.91 -10.15 | 46.28 1.66 0.00 | 40.26 1.58 0.00 | 34.31 1.61 0.00 | 40.18 1.96 0.00 | 41.12 2.12 0.00 | 46.61 2.38 0.00 | 60.89 2.76 0.00 | 73.89 2.88 0.00 | 53.41 2.11 0.00 | 53.31 2.28 0.00 | 51.99 2.06 0.00 | 53.68 2.18 0.00 | 45.62 1.68 0.00 | 43.65 1.41 0.00 |
| NEG CAPITAL__MECHNVIL 23645 | 70.94 3.44 0.00 | 67.87 3.33 0.00 | 58.41 2.78 0.00 | 60.07 2.90 0.00 | 55.75 2.54 0.00 | 59.79 2.74 0.00 | 85.11 4.00 0.00 | 388.04 3.61 -313.82 | 307.04 3.48 -234.51 | 187.34 2.46 -131.66 | 46.41 1.79 0.00 | 40.04 1.36 0.00 | 33.72 1.01 0.00 | 39.29 1.07 0.00 | 40.24 1.23 0.00 | 45.81 1.58 0.00 | 60.67 2.54 0.00 | 74.07 3.06 0.00 | 53.47 2.17 0.00 | 53.37 2.34 0.00 | 52.13 2.20 0.00 | 53.82 2.32 0.00 | 45.75 1.81 0.00 | 43.89 1.65 0.00 |

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|-------------------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| NEG CENTRAL_HIGH_ACRES 23767 | 59.81 -3.04 4.65 | 59.13 -3.20 2.21 | 52.71 -2.91 0.00 | 54.23 -2.95 0.00 | 49.96 -2.59 0.65 | 53.01 -2.81 1.25 | 73.80 -4.19 3.12 | 64.36 -3.45 2.80 | 64.60 -3.61 0.84 | 47.32 -3.01 2.90 | 41.93 -2.68 0.00 | 36.17 -2.51 0.00 | 30.50 -2.21 0.00 | 35.66 -2.56 0.00 | 36.19 -2.82 0.00 | 41.24 -3.00 0.00 | 54.77 -3.36 0.00 | 67.63 -3.27 0.10 | 48.95 -2.23 0.11 | 48.58 -2.44 0.00 | 47.46 -2.47 0.00 | 48.82 -2.67 0.00 | 41.82 -2.12 0.00 | 40.38 -1.86 0.00 |
| NEG CENTRAL___DRP 24199 | 66.15 -1.35 0.00 | 63.16 -1.37 0.00 | 54.38 -1.25 0.00 | 55.98 -1.19 0.00 | 52.15 -1.06 0.00 | 56.02 -1.04 0.00 | 79.47 -1.64 0.00 | 69.16 -1.45 0.00 | 67.49 -1.56 0.00 | 51.86 -1.36 0.00 | 43.52 -1.09 0.00 | 37.65 -1.03 0.00 | 31.74 -0.96 0.00 | 37.02 -1.20 0.00 | 37.57 -1.44 0.00 | 42.70 -1.54 0.00 | 56.39 -1.74 0.00 | 69.51 -1.50 0.00 | 50.68 -0.62 0.00 | 50.22 -0.80 0.00 | 49.03 -0.89 0.00 | 50.52 -0.97 0.00 | 43.34 -0.61 0.00 | 41.82 -0.43 0.00 |
| NEG CENTRAL___INDECK 23768 | 67.45 -0.05 0.00 | 64.31 -0.22 0.00 | 55.24 -0.38 0.00 | 56.97 -0.21 0.00 | 53.25 0.04 0.00 | 57.13 0.07 0.00 | 81.00 -0.11 0.00 | 71.17 0.54 -0.02 | 69.02 -0.04 0.00 | 52.82 -0.40 0.00 | 43.95 -0.67 0.00 | 37.45 -1.24 0.00 | 31.47 -1.24 0.00 | 36.78 -1.44 0.00 | 37.23 -1.78 0.00 | 42.25 -1.98 0.00 | 56.27 -1.86 0.00 | 70.78 -0.23 0.00 | 50.96 -0.34 0.00 | 50.31 -0.72 0.00 | 49.11 -0.81 0.00 | 50.80 -0.69 0.00 | 43.90 -0.05 0.00 | 42.55 0.30 0.00 |
| NEG CENTRAL___SENECA 23627 | 65.89 -1.61 0.00 | 62.91 -1.63 0.00 | 54.12 -1.51 0.00 | 55.76 -1.42 0.00 | 52.01 -1.20 0.00 | 55.88 -1.18 0.00 | 79.20 -1.92 0.00 | 69.06 -1.55 0.00 | 67.31 -1.74 0.00 | 51.75 -1.47 0.00 | 43.48 -1.13 0.00 | 37.64 -1.04 0.00 | 31.73 -0.97 0.00 | 37.00 -1.22 0.00 | 37.50 -1.51 0.00 | 42.55 -1.69 0.00 | 56.15 -1.98 0.00 | 69.29 -1.72 0.00 | 50.64 -0.66 0.00 | 50.04 -0.99 0.00 | 48.90 -1.03 0.00 | 50.34 -1.16 0.00 | 43.31 -0.63 0.00 | 41.86 -0.38 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 66.99 -0.52 0.00 | 63.92 -0.61 0.00 | 55.10 -0.53 0.00 | 56.67 -0.50 0.00 | 52.57 -0.63 0.00 | 56.45 -0.61 0.00 | 80.20 -0.92 0.00 | 69.66 -0.95 0.00 | 68.01 -1.04 0.00 | 52.23 -0.99 0.00 | 43.74 -0.87 0.00 | 37.83 -0.85 0.00 | 31.87 -0.83 0.00 | 37.16 -1.06 0.00 | 37.81 -1.20 0.00 | 43.05 -1.19 0.00 | 57.06 -1.07 0.00 | 70.22 -0.79 0.00 | 50.98 -0.31 0.00 | 50.80 -0.22 0.00 | 49.49 -0.44 0.00 | 51.11 -0.38 0.00 | 43.69 -0.25 0.00 | 42.07 -0.17 0.00 |
| NEG MILLWOOD___DRP 24198 | 69.57 2.06 0.00 | 66.53 2.00 0.00 | 57.44 1.81 0.00 | 58.88 1.70 0.00 | 54.82 1.61 0.00 | 58.89 1.83 0.00 | 83.98 2.87 0.00 | 97.03 2.57 -23.85 | 89.51 2.64 -17.82 | 65.36 2.13 -10.00 | 46.50 1.89 0.00 | 40.45 1.77 0.00 | 34.51 1.81 0.00 | 40.44 2.22 0.00 | 41.41 2.40 0.00 | 46.89 2.65 0.00 | 61.20 3.07 0.00 | 74.24 3.23 0.00 | 53.62 2.32 0.00 | 53.54 2.52 0.00 | 52.22 2.29 0.00 | 53.89 2.40 0.00 | 45.81 1.86 0.00 | 43.82 1.58 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 69.99 2.49 0.00 | 66.78 2.25 0.00 | 57.59 1.97 0.00 | 59.27 2.09 0.00 | 55.19 1.98 0.00 | 58.99 1.93 0.00 | 83.60 2.48 0.00 | 72.52 1.91 0.00 | 70.81 1.76 0.00 | 54.67 1.45 0.00 | 45.95 1.33 0.00 | 39.82 1.14 0.00 | 33.33 0.62 0.00 | 38.95 0.73 0.00 | 39.71 0.70 0.00 | 45.16 0.92 0.00 | 59.78 1.65 0.00 | 73.39 2.38 0.00 | 52.97 1.67 0.00 | 52.68 1.65 0.00 | 51.70 1.77 0.00 | 53.10 1.60 0.00 | 45.21 1.27 0.00 | 43.39 1.15 0.00 |
| NEG NORTH_KES_CHATAGAY 23792 | 71.18 3.68 0.00 | 67.88 3.35 0.00 | 58.51 2.88 0.00 | 60.19 3.01 0.00 | 56.06 2.85 0.00 | 60.01 2.95 0.00 | 85.19 4.08 0.00 | 73.92 3.31 0.00 | 71.49 2.44 0.00 | 54.93 1.71 0.00 | 46.14 1.53 0.00 | 40.19 1.51 0.00 | 33.60 0.90 0.00 | 38.77 0.55 0.00 | 39.25 0.24 0.00 | 44.64 0.41 0.00 | 59.07 0.94 0.00 | 72.53 1.52 0.00 | 52.30 1.00 0.00 | 52.15 1.13 0.00 | 50.97 1.04 0.00 | 52.46 0.97 0.00 | 44.73 0.79 0.00 | 43.01 0.77 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 70.64 3.14 0.00 | 67.41 2.88 0.00 | 58.10 2.47 0.00 | 59.77 2.59 0.00 | 55.67 2.46 0.00 | 59.56 2.51 0.00 | 84.48 3.37 0.00 | 73.32 2.72 0.00 | 71.35 2.30 0.00 | 54.90 1.68 0.00 | 46.11 1.50 0.00 | 40.06 1.37 0.00 | 33.51 0.81 0.00 | 39.16 0.93 0.00 | 39.89 0.88 0.00 | 45.38 1.14 0.00 | 60.17 2.04 0.00 | 74.03 3.02 0.00 | 53.59 2.29 0.00 | 53.19 2.16 0.00 | 51.97 2.04 0.00 | 53.30 1.80 0.00 | 45.41 1.47 0.00 | 43.57 1.33 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 70.64 3.14 0.00 | 67.41 2.88 0.00 | 58.10 2.47 0.00 | 59.77 2.59 0.00 | 55.67 2.46 0.00 | 59.56 2.51 0.00 | 84.48 3.37 0.00 | 73.32 2.72 0.00 | 71.35 2.30 0.00 | 54.90 1.68 0.00 | 46.11 1.50 0.00 | 40.06 1.37 0.00 | 33.51 0.81 0.00 | 39.16 0.93 0.00 | 39.89 0.88 0.00 | 45.38 1.14 0.00 | 60.17 2.04 0.00 | 74.03 3.02 0.00 | 53.59 2.29 0.00 | 53.19 2.16 0.00 | 51.97 2.04 0.00 | 53.30 1.80 0.00 | 45.41 1.47 0.00 | 43.57 1.33 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 70.64 3.14 0.00 | 67.41 2.88 0.00 | 58.10 2.47 0.00 | 59.77 2.60 0.00 | 55.67 2.46 0.00 | 59.56 2.50 0.00 | 84.48 3.37 0.00 | 73.32 2.71 0.00 | 71.35 2.30 0.00 | 54.90 1.68 0.00 | 46.11 1.50 0.00 | 40.06 1.37 0.00 | 33.51 0.81 0.00 | 39.16 0.93 0.00 | 39.89 0.88 0.00 | 45.38 1.14 0.00 | 60.17 2.03 0.00 | 74.03 3.02 0.00 | 53.59 2.29 0.00 | 53.19 2.17 0.00 | 51.97 2.04 0.00 | 53.30 1.81 0.00 | 45.41 1.46 0.00 | 43.57 1.33 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 63.57 -3.94 0.00 | 60.39 -4.14 0.00 | 51.69 -3.93 0.00 | 53.18 -3.99 0.00 | 49.72 -3.48 0.00 | 52.92 -4.14 0.00 | 73.96 -7.16 0.00 | 65.50 -5.24 -0.13 | 63.77 -5.32 -0.04 | 49.33 -3.95 -0.06 | 40.73 -3.88 0.00 | 35.02 -3.66 0.00 | 29.75 -2.95 0.00 | 34.97 -3.25 0.00 | 34.99 -4.01 0.00 | 39.38 -4.85 0.00 | 51.98 -6.15 0.00 | 64.46 -6.56 0.00 | 46.74 -4.56 0.00 | 45.96 -5.07 0.00 | 45.02 -4.91 0.00 | 46.29 -5.20 0.00 | 40.30 -3.64 0.00 | 39.48 -2.76 0.00 |
| NEG WEST___LANCASTER 23811 | 66.80 -0.70 0.00 | 63.39 -1.15 0.00 | 54.15 -1.48 0.00 | 55.70 -1.47 0.00 | 52.12 -1.09 0.00 | 55.74 -1.32 0.00 | 78.33 -2.78 0.00 | 72.23 -0.21 -1.83 | 69.17 -0.41 -0.53 | 53.90 -0.11 -0.79 | 44.11 -0.51 0.00 | 37.69 -0.99 0.00 | 31.84 -0.86 0.00 | 37.47 -0.76 0.00 | 37.76 -1.25 0.00 | 42.49 -1.75 0.00 | 56.08 -2.05 0.00 | 69.44 -1.57 0.00 | 50.08 -1.21 0.00 | 48.95 -2.07 0.00 | 47.89 -2.03 0.00 | 49.36 -2.13 0.00 | 42.71 -1.23 0.00 | 41.58 -0.67 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 73.57 -0.43 -6.50 | 67.09 -0.53 -3.09 | 55.22 -0.41 0.00 | 56.86 -0.31 0.00 | 53.80 -0.32 -0.91 | 58.49 -0.31 -1.75 | 84.80 -0.66 -4.35 | 85.89 -0.59 -15.88 | 78.63 -0.65 -10.23 | 61.60 -0.54 -8.92 | 44.29 -0.32 0.00 | 38.43 -0.25 0.00 | 32.53 -0.17 0.00 | 38.02 -0.20 0.00 | 38.74 -0.27 0.00 | 43.93 -0.31 0.00 | 57.63 -0.50 0.00 | 70.68 -0.48 -0.15 | 51.28 -0.18 -0.16 | 50.78 -0.24 0.00 | 49.67 -0.25 0.00 | 51.28 -0.21 0.00 | 43.82 -0.12 0.00 | 42.13 -0.12 0.00 |
| NEG___GEN_MONROE 24207 | 65.75 -1.76 0.00 | 62.53 -2.00 0.00 | 53.64 -1.99 0.00 | 55.15 -2.03 0.00 | 51.48 -1.73 0.00 | 55.06 -1.99 0.00 | 77.92 -3.19 0.00 | 68.28 -2.34 -0.02 | 66.57 -2.48 0.00 | 50.93 -2.30 0.00 | 42.34 -2.27 0.00 | 36.48 -2.21 0.00 | 30.78 -1.92 0.00 | 36.02 -2.20 0.00 | 36.49 -2.51 0.00 | 41.48 -2.75 0.00 | 55.15 -2.98 0.00 | 68.57 -2.44 0.00 | 49.84 -1.46 0.00 | 49.28 -1.75 0.00 | 48.16 -1.77 0.00 | 49.52 -1.98 0.00 | 42.54 -1.40 0.00 | 41.16 -1.08 0.00 |

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| NEPA__ENERGY 23901 | 64.66 -2.84 0.00 | 61.45 -3.08 0.00 | 52.93 -2.69 0.00 | 54.57 -2.60 0.00 | 50.77 -2.44 0.00 | 54.23 -2.83 0.00 | 75.89 -5.23 0.00 | 67.61 -3.70 -0.70 | 65.46 -3.78 -0.19 | 50.73 -2.78 -0.29 | 42.51 -2.10 0.00 | 36.89 -1.79 0.00 | 31.46 -1.24 0.00 | 37.12 -1.10 0.00 | 37.52 -1.49 0.00 | 42.11 -2.12 0.00 | 54.68 -3.46 0.00 | 66.88 -4.13 0.00 | 48.55 -2.75 0.00 | 47.90 -3.12 0.00 | 46.98 -2.95 0.00 | 48.47 -3.03 0.00 | 41.85 -2.10 0.00 | 40.62 -1.62 0.00 |
| NEVERSINK__HYD 23608 | 70.35 2.85 0.00 | 67.77 3.24 0.00 | 58.52 2.90 0.00 | 60.11 2.93 0.00 | 56.02 2.81 0.00 | 60.15 3.09 0.00 | 85.71 4.60 0.00 | 100.62 3.97 -26.03 | 92.53 4.03 -19.45 | 67.28 3.14 -10.92 | 47.35 2.74 0.00 | 41.15 2.46 0.00 | 34.93 2.23 0.00 | 40.70 2.48 0.00 | 41.58 2.58 0.00 | 47.28 3.04 0.00 | 62.07 3.94 0.00 | 75.63 4.62 0.00 | 54.71 3.41 0.00 | 54.50 3.47 0.00 | 53.16 3.23 0.00 | 54.54 3.04 0.00 | 46.09 2.14 0.00 | 44.32 2.07 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 69.68 2.18 0.00 | 66.76 2.22 0.00 | 57.49 1.86 0.00 | 59.09 1.91 0.00 | 54.91 1.70 0.00 | 58.86 1.80 0.00 | 83.72 2.61 0.00 | 287.04 2.12 -214.31 | 231.49 2.28 -160.15 | 144.80 1.67 -89.91 | 45.89 1.27 0.00 | 39.77 1.09 0.00 | 33.60 0.90 0.00 | 39.24 1.02 0.00 | 40.19 1.18 0.00 | 45.62 1.38 0.00 | 59.97 1.84 0.00 | 72.82 1.81 0.00 | 52.61 1.31 0.00 | 52.46 1.43 0.00 | 51.27 1.34 0.00 | 53.00 1.51 0.00 | 45.12 1.17 0.00 | 43.32 1.07 0.00 |
| NEWTON__FALLS_HYD 23847 | 69.76 2.26 0.00 | 66.85 2.32 0.00 | 57.61 1.98 0.00 | 59.15 1.98 0.00 | 55.01 1.80 0.00 | 59.13 2.07 0.00 | 84.47 3.36 0.00 | 73.43 2.82 0.00 | 71.01 1.96 0.00 | 54.15 0.92 0.00 | 45.18 0.57 0.00 | 39.06 0.38 0.00 | 32.76 0.06 0.00 | 38.26 0.04 0.00 | 38.96 -0.05 0.00 | 44.32 0.08 0.00 | 58.65 0.52 0.00 | 72.79 1.78 0.00 | 52.91 1.61 0.00 | 52.38 1.36 0.00 | 50.94 1.02 0.00 | 52.51 1.02 0.00 | 45.10 1.16 0.00 | 43.64 1.40 0.00 |
| NGRID_A1_DSASP 323792 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| NGRID_A2_DSASP 323793 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| NGRID_A4_DSASP 323807 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| NIAGARA_115E_LBMP 323715 | 47.20 -5.21 15.09 | 51.63 -5.74 7.16 | 50.66 -4.97 0.00 | 52.03 -5.15 0.00 | 46.23 -4.85 2.12 | 46.97 -6.03 4.05 | 61.16 -9.88 10.07 | 54.26 -7.50 8.85 | 58.83 -7.54 2.69 | 38.74 -5.60 8.88 | 39.88 -4.74 0.00 | 34.36 -4.32 0.00 | 29.00 -3.70 0.00 | 34.05 -4.17 0.00 | 34.29 -4.72 0.00 | 38.55 -5.69 0.00 | 50.78 -7.35 0.00 | 62.67 -8.02 0.32 | 45.32 -5.62 0.35 | 44.90 -6.13 0.00 | 44.01 -5.92 0.00 | 45.23 -6.27 0.00 | 39.47 -4.48 0.00 | 38.79 -3.45 0.00 |
| NIAGARA_115W_LBMP 323714 | 46.90 -4.97 15.63 | 51.70 -5.41 7.42 | 50.54 -5.08 0.00 | 51.91 -5.26 0.00 | 46.46 -4.55 2.20 | 47.51 -5.36 4.20 | 61.32 -9.32 10.48 | 54.10 -7.23 9.28 | 59.01 -7.28 2.76 | 38.38 -5.40 9.44 | 40.03 -4.58 0.00 | 34.52 -4.17 0.00 | 29.16 -3.54 0.00 | 34.28 -3.93 0.00 | 34.48 -4.53 0.00 | 38.78 -5.45 0.00 | 51.05 -7.08 0.00 | 62.76 -7.91 0.34 | 45.30 -5.63 0.37 | 44.95 -6.08 0.00 | 44.03 -5.89 0.00 | 45.29 -6.20 0.00 | 39.37 -4.57 0.00 | 38.79 -3.46 0.00 |
| NIAGARA_230_LBMP 323716 | 47.24 -4.64 15.62 | 52.05 -5.07 7.41 | 50.89 -4.74 0.00 | 52.31 -4.87 0.00 | 46.75 -4.26 2.20 | 47.83 -5.04 4.19 | 62.12 -8.51 10.48 | 54.81 -6.54 9.27 | 59.70 -6.56 2.79 | 38.77 -4.86 9.59 | 40.45 -4.16 0.00 | 34.88 -3.80 0.00 | 29.48 -3.22 0.00 | 34.66 -3.56 0.00 | 34.88 -4.13 0.00 | 39.27 -4.96 0.00 | 51.71 -6.42 0.00 | 63.57 -7.09 0.35 | 45.86 -5.05 0.38 | 45.51 -5.51 0.00 | 44.57 -5.35 0.00 | 45.87 -5.62 0.00 | 39.85 -4.09 0.00 | 39.05 -3.19 0.00 |
| NIAGARA__115KV_198_GIBSON 55903 | 62.52 -4.98 0.00 | 59.13 -5.40 0.00 | 50.54 -5.09 0.00 | 51.92 -5.26 0.00 | 48.66 -4.55 0.00 | 51.69 -5.37 0.00 | 71.76 -9.35 0.00 | 63.16 -7.19 0.26 | 61.78 -7.24 0.03 | 47.78 -5.38 0.06 | 40.05 -4.56 0.00 | 34.48 -4.20 0.00 | 29.16 -3.54 0.00 | 34.29 -3.93 0.00 | 34.49 -4.52 0.00 | 38.79 -5.45 0.00 | 51.07 -7.06 0.00 | 63.10 -7.92 0.00 | 45.67 -5.63 0.00 | 44.94 -6.08 0.00 | 44.03 -5.89 0.00 | 45.29 -6.21 0.00 | 39.40 -4.54 0.00 | 38.80 -3.44 0.00 |
| NIAGARA____ 23760 | 47.64 -4.64 15.22 | 52.24 -5.07 7.22 | 50.89 -4.74 0.00 | 52.31 -4.87 0.00 | 46.81 -4.26 2.14 | 47.92 -5.04 4.10 | 62.30 -8.51 10.30 | 54.98 -6.54 9.09 | 59.75 -6.56 2.74 | 39.14 -4.86 9.22 | 40.45 -4.16 0.00 | 34.88 -3.80 0.00 | 29.48 -3.22 0.00 | 34.66 -3.56 0.00 | 34.88 -4.13 0.00 | 39.27 -4.96 0.00 | 51.71 -6.42 0.00 | 63.58 -7.09 0.34 | 45.87 -5.05 0.37 | 45.51 -5.51 0.00 | 44.57 -5.35 0.00 | 45.87 -5.62 0.00 | 39.85 -4.09 0.00 | 39.05 -3.19 0.00 |
| NINE_MILE_1 23575 | 64.77 -2.73 0.00 | 61.87 -2.66 0.00 | 53.31 -2.32 0.00 | 54.81 -2.36 0.00 | 51.02 -2.19 0.00 | 54.73 -2.33 0.00 | 77.79 -3.33 0.00 | 67.53 -3.08 0.00 | 66.03 -3.02 0.00 | 50.77 -2.45 0.00 | 42.53 -2.09 0.00 | 36.85 -1.83 0.00 | 31.13 -1.57 0.00 | 36.35 -1.87 0.00 | 37.05 -1.96 0.00 | 42.19 -2.05 0.00 | 55.65 -2.49 0.00 | 68.19 -2.82 0.00 | 49.32 -1.97 0.00 | 49.01 -2.01 0.00 | 47.91 -2.02 0.00 | 49.40 -2.10 0.00 | 42.18 -1.76 0.00 | 40.56 -1.68 0.00 |
| NINE_MILE_2 23744 | 64.78 -2.72 0.00 | 61.87 -2.66 0.00 | 53.31 -2.32 0.00 | 54.81 -2.36 0.00 | 51.02 -2.19 0.00 | 54.74 -2.32 0.00 | 77.80 -3.32 0.00 | 67.54 -3.07 0.00 | 66.03 -3.02 0.00 | 50.78 -2.45 0.00 | 42.53 -2.08 0.00 | 36.85 -1.83 0.00 | 31.13 -1.57 0.00 | 36.35 -1.87 0.00 | 37.06 -1.95 0.00 | 42.20 -2.04 0.00 | 55.65 -2.48 0.00 | 68.19 -2.82 0.00 | 49.33 -1.97 0.00 | 49.01 -2.01 0.00 | 47.91 -2.02 0.00 | 49.40 -2.09 0.00 | 42.18 -1.76 0.00 | 40.57 -1.67 0.00 |
| NM_CAPITAL__DRP 24208 | 69.44 1.94 0.00 | 66.53 2.00 0.00 | 57.31 1.68 0.00 | 58.91 1.73 0.00 | 54.79 1.58 0.00 | 58.72 1.66 0.00 | 83.46 2.35 0.00 | 284.79 1.88 -212.30 | 229.75 2.06 -158.64 | 143.78 1.49 -89.06 | 45.73 1.11 0.00 | 39.64 0.95 0.00 | 33.51 0.81 0.00 | 39.14 0.92 0.00 | 40.09 1.08 0.00 | 45.48 1.25 0.00 | 59.77 1.64 0.00 | 72.49 1.48 0.00 | 52.38 1.08 0.00 | 52.24 1.21 0.00 | 51.05 1.13 0.00 | 52.81 1.32 0.00 | 44.95 1.00 0.00 | 43.17 0.93 0.00 |

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| NM_CENTRAL__DRP 24181 | 65.98 -1.52 0.00 | 62.99 -1.54 0.00 | 54.27 -1.35 0.00 | 55.82 -1.36 0.00 | 51.96 -1.25 0.00 | 55.77 -1.29 0.00 | 79.27 -1.85 0.00 | 68.70 -1.90 0.00 | 67.16 -1.89 0.00 | 51.65 -1.57 0.00 | 43.28 -1.34 0.00 | 37.47 -1.21 0.00 | 31.63 -1.07 0.00 | 36.91 -1.31 0.00 | 37.62 -1.38 0.00 | 42.92 -1.31 0.00 | 56.73 -1.41 0.00 | 69.57 -1.44 0.00 | 50.35 -0.94 0.00 | 50.02 -1.01 0.00 | 48.88 -1.05 0.00 | 50.38 -1.12 0.00 | 43.01 -0.93 0.00 | 41.36 -0.88 0.00 |
| NM_FRONTIER__DRP 24179 | 62.52 -4.98 0.00 | 59.13 -5.40 0.00 | 50.54 -5.09 0.00 | 51.92 -5.26 0.00 | 48.66 -4.55 0.00 | 51.69 -5.37 0.00 | 71.76 -9.35 0.00 | 63.16 -7.19 0.26 | 61.78 -7.24 0.03 | 47.78 -5.38 0.06 | 40.05 -4.56 0.00 | 34.48 -4.20 0.00 | 29.16 -3.54 0.00 | 34.29 -3.93 0.00 | 34.49 -4.52 0.00 | 38.79 -5.45 0.00 | 51.07 -7.06 0.00 | 63.10 -7.92 0.00 | 45.67 -5.63 0.00 | 44.94 -6.08 0.00 | 44.03 -5.89 0.00 | 45.29 -6.21 0.00 | 39.40 -4.54 0.00 | 38.80 -3.44 0.00 |
| NM_ST_REGIS__HYD 24053 | 70.11 2.61 0.00 | 67.05 2.52 0.00 | 57.81 2.18 0.00 | 59.39 2.21 0.00 | 55.27 2.07 0.00 | 59.25 2.19 0.00 | 84.28 3.17 0.00 | 73.23 2.62 0.00 | 70.89 1.84 0.00 | 54.55 1.33 0.00 | 45.79 1.17 0.00 | 39.66 0.97 0.00 | 33.24 0.54 0.00 | 38.85 0.63 0.00 | 39.54 0.53 0.00 | 44.92 0.68 0.00 | 59.23 1.09 0.00 | 72.81 1.80 0.00 | 52.67 1.37 0.00 | 52.16 1.14 0.00 | 51.14 1.21 0.00 | 52.56 1.06 0.00 | 45.09 1.15 0.00 | 43.64 1.40 0.00 |
| NORTHPORT__1 23551 | 69.63 2.14 0.00 | 66.35 1.81 0.00 | 57.37 1.74 0.00 | 58.72 1.55 0.00 | 54.89 1.68 0.00 | 58.90 1.84 0.00 | 83.42 2.31 0.00 | 95.05 1.47 -22.97 | 87.38 1.16 -17.16 | 64.64 1.79 -9.64 | 46.68 2.06 0.00 | 40.67 1.99 0.00 | 34.85 2.15 0.00 | 40.77 2.55 0.00 | 41.81 2.80 0.00 | 47.39 3.15 0.00 | 61.85 3.72 0.00 | 74.49 3.48 0.00 | 53.34 2.04 0.00 | 53.68 2.65 0.00 | 52.35 2.48 0.04 | 44.89 2.55 9.15 | 46.06 2.11 0.00 | 44.15 1.91 0.00 |
| NORTHPORT__2 23552 | 69.63 2.14 0.00 | 66.35 1.81 0.00 | 57.37 1.74 0.00 | 58.72 1.55 0.00 | 54.89 1.68 0.00 | 58.90 1.84 0.00 | 83.42 2.31 0.00 | 95.05 1.47 -22.97 | 87.38 1.16 -17.16 | 64.64 1.79 -9.64 | 46.68 2.06 0.00 | 40.67 1.99 0.00 | 34.85 2.15 0.00 | 40.77 2.55 0.00 | 41.81 2.80 0.00 | 47.39 3.15 0.00 | 61.85 3.72 0.00 | 74.49 3.48 0.00 | 53.34 2.04 0.00 | 53.68 2.65 0.00 | 52.35 2.48 0.04 | 44.89 2.55 9.15 | 46.06 2.11 0.00 | 44.15 1.91 0.00 |
| NORTHPORT__3 23553 | 69.63 2.13 0.00 | 66.35 1.82 0.00 | 57.37 1.74 0.00 | 58.72 1.55 0.00 | 54.89 1.68 0.00 | 58.90 1.84 0.00 | 83.47 2.35 0.00 | 95.14 1.56 -22.97 | 87.48 1.27 -17.16 | 64.67 1.81 -9.64 | 46.67 2.06 0.00 | 40.67 1.99 0.00 | 34.84 2.14 0.00 | 40.77 2.55 0.00 | 41.80 2.79 0.00 | 47.39 3.15 0.00 | 61.83 3.70 0.00 | 74.51 3.50 0.00 | 53.39 2.10 0.00 | 53.72 2.69 0.00 | 52.40 2.51 0.03 | 48.69 2.58 5.38 | 46.07 2.13 0.00 | 44.13 1.89 0.00 |
| NORTHPORT__4 23650 | 69.63 2.13 0.00 | 66.35 1.82 0.00 | 57.37 1.74 0.00 | 58.72 1.55 0.00 | 54.89 1.68 0.00 | 58.90 1.84 0.00 | 83.47 2.35 0.00 | 95.14 1.56 -22.97 | 87.48 1.27 -17.16 | 64.67 1.81 -9.64 | 46.67 2.06 0.00 | 40.67 1.99 0.00 | 34.84 2.14 0.00 | 40.77 2.55 0.00 | 41.80 2.79 0.00 | 47.39 3.15 0.00 | 61.83 3.70 0.00 | 74.51 3.50 0.00 | 53.39 2.10 0.00 | 53.72 2.69 0.00 | 52.40 2.51 0.03 | 48.69 2.58 5.38 | 46.07 2.13 0.00 | 44.13 1.89 0.00 |
| NORTHPORT__IC 23718 | 69.63 2.13 0.00 | 66.36 1.82 0.00 | 57.37 1.74 0.00 | 58.72 1.55 0.00 | 54.89 1.68 0.00 | 58.91 1.85 0.00 | 83.42 2.31 0.00 | 95.07 1.49 -22.97 | 87.38 1.16 -17.16 | 64.62 1.77 -9.64 | 46.68 2.06 0.00 | 40.68 2.00 0.00 | 34.85 2.15 0.00 | 40.77 2.56 0.00 | 41.81 2.80 0.00 | 47.40 3.16 0.00 | 61.85 3.72 0.00 | 74.49 3.48 0.00 | 53.34 2.04 0.00 | 53.68 2.66 0.00 | 52.35 2.47 0.04 | 44.89 2.55 9.15 | 46.05 2.11 0.00 | 44.15 1.91 0.00 |
| NORTH__COUNTRY_ESR 323785 | 69.18 1.68 0.00 | 66.01 1.48 0.00 | 56.95 1.32 0.00 | 58.54 1.36 0.00 | 54.46 1.25 0.00 | 58.13 1.07 0.00 | 82.46 1.35 0.00 | 71.56 0.95 0.00 | 69.85 0.80 0.00 | 54.15 0.93 0.00 | 45.59 0.97 0.00 | 39.44 0.76 0.00 | 32.99 0.29 0.00 | 38.56 0.34 0.00 | 39.25 0.24 0.00 | 44.64 0.41 0.00 | 59.07 0.94 0.00 | 72.54 1.53 0.00 | 52.30 1.00 0.00 | 51.93 0.90 0.00 | 50.93 1.00 0.00 | 52.31 0.81 0.00 | 44.58 0.64 0.00 | 42.89 0.64 0.00 |
| NPX_GEN_1385_PROXY 323591 | 69.63 2.14 0.00 | 66.35 1.81 0.00 | 57.37 1.74 0.00 | 58.72 1.55 0.00 | 54.89 1.68 0.00 | 58.90 1.84 0.00 | 83.42 2.31 0.00 | 95.05 1.47 -22.97 | 87.38 1.16 -17.16 | 64.64 1.79 -9.64 | 46.68 2.06 0.00 | 40.67 1.99 0.00 | 34.85 2.15 0.00 | 40.77 2.55 0.00 | 41.81 2.80 0.00 | 47.39 3.15 0.00 | 61.85 3.72 0.00 | 74.49 3.48 0.00 | 53.34 2.04 0.00 | 53.68 2.65 0.00 | 52.35 2.48 0.04 | 44.89 2.55 9.15 | 46.06 2.11 0.00 | 44.15 1.91 0.00 |
| NPX_GEN_CSC 323557 | 70.07 2.57 0.00 | 66.20 1.67 0.00 | 57.45 1.82 0.00 | 58.80 1.63 0.00 | 55.32 2.12 0.00 | 59.51 2.45 0.00 | 84.62 3.51 0.00 | 95.83 2.25 -22.97 | 87.15 0.94 -17.16 | 64.74 1.89 -9.64 | 46.84 2.23 0.00 | 40.84 2.17 0.00 | 35.10 2.39 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.57 3.33 0.00 | 62.46 4.33 0.00 | 75.35 4.34 0.00 | 53.86 2.56 0.00 | 54.48 3.46 0.00 | 53.45 3.52 -0.01 | 56.99 3.77 -1.73 | 46.98 3.04 0.00 | 44.71 2.47 0.00 |
| NSINS_S__GLNS_FALLS 23858 | 72.07 4.57 0.00 | 68.83 4.30 0.00 | 59.19 3.56 0.00 | 60.95 3.78 0.00 | 56.25 3.04 0.00 | 60.35 3.29 0.00 | 85.85 4.74 0.00 | 402.23 4.08 -327.54 | 317.53 3.72 -244.77 | 193.25 2.62 -137.41 | 46.41 1.79 0.00 | 39.86 1.17 0.00 | 33.52 0.81 0.00 | 39.02 0.80 0.00 | 40.04 1.04 0.00 | 45.69 1.45 0.00 | 60.86 2.73 0.00 | 74.55 3.54 0.00 | 53.73 2.43 0.00 | 53.66 2.63 0.00 | 52.42 2.49 0.00 | 54.02 2.52 0.00 | 45.85 1.90 0.00 | 43.93 1.68 0.00 |
| NUCOR_STEEL__DRP 24197 | 66.99 -0.51 0.00 | 63.91 -0.62 0.00 | 55.10 -0.52 0.00 | 56.68 -0.49 0.00 | 52.54 -0.67 0.00 | 56.41 -0.65 0.00 | 80.12 -0.99 0.00 | 69.56 -1.04 0.00 | 67.95 -1.10 0.00 | 52.18 -1.04 0.00 | 43.69 -0.92 0.00 | 37.78 -0.90 0.00 | 31.84 -0.86 0.00 | 37.14 -1.08 0.00 | 37.79 -1.22 0.00 | 43.04 -1.19 0.00 | 57.05 -1.08 0.00 | 70.19 -0.82 0.00 | 50.92 -0.38 0.00 | 50.78 -0.24 0.00 | 49.47 -0.46 0.00 | 51.10 -0.39 0.00 | 43.66 -0.28 0.00 | 42.03 -0.22 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 69.92 2.42 0.00 | 67.07 2.54 0.00 | 57.76 2.13 0.00 | 59.29 2.12 0.00 | 55.04 1.84 0.00 | 59.29 2.23 0.00 | 85.02 3.91 0.00 | 73.97 3.36 0.00 | 71.62 2.57 0.00 | 54.31 1.09 0.00 | 45.11 0.50 0.00 | 38.94 0.26 0.00 | 32.66 -0.04 0.00 | 38.11 -0.12 0.00 | 38.86 -0.15 0.00 | 44.27 0.03 0.00 | 58.79 0.66 0.00 | 73.47 2.46 0.00 | 53.62 2.32 0.00 | 53.10 2.07 0.00 | 51.28 1.36 0.00 | 52.94 1.45 0.00 | 45.44 1.50 0.00 | 43.90 1.66 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 67.50 0.00 0.00 | 64.53 0.00 0.00 | 55.63 0.00 0.00 | 57.18 0.00 0.00 | 53.21 0.00 0.00 | 57.06 0.00 0.00 | 81.12 0.00 0.00 | 70.61 0.00 0.00 | 69.05 0.00 0.00 | 53.22 0.00 0.00 | 44.61 0.00 0.00 | 38.68 0.00 0.00 | 32.70 0.00 0.00 | 38.22 0.00 0.00 | 39.01 0.00 0.00 | 44.24 0.00 0.00 | 58.13 0.00 0.00 | 71.01 0.00 0.00 | 51.30 0.00 0.00 | 51.03 0.00 0.00 | 49.93 0.00 0.00 | 51.49 0.00 0.00 | 43.94 0.00 0.00 | 42.24 0.00 0.00 |

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| NYPA_BRENTWD____GT 24164 | 70.14 2.64 0.00 | 66.95 2.42 0.00 | 57.91 2.29 0.00 | 59.28 2.11 0.00 | 55.44 2.23 0.00 | 59.56 2.50 0.00 | 84.06 2.95 0.00 | 95.40 1.82 -22.97 | 87.55 1.33 -17.16 | 65.00 2.15 -9.64 | 47.16 2.55 0.00 | 41.10 2.42 0.00 | 35.20 2.50 0.00 | 41.15 2.93 0.00 | 42.22 3.21 0.00 | 47.88 3.64 0.00 | 62.55 4.42 0.00 | 75.16 4.15 0.00 | 53.75 2.45 0.00 | 54.45 3.42 0.00 | 53.24 3.31 -0.01 | 56.48 3.38 -1.60 | 46.69 2.75 0.00 | 44.64 2.40 0.00 |
| NYPA_GOWANUS____GT5 24156 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.31 2.09 -17.16 | 64.72 1.86 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NYPA_GOWANUS____GT6 24157 | 69.20 1.70 0.00 | 66.20 1.67 0.00 | 57.18 1.55 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.57 1.51 0.00 | 83.59 2.48 0.00 | 95.77 2.19 -22.97 | 88.31 2.09 -17.16 | 64.72 1.86 -9.64 | 46.51 1.90 0.00 | 40.52 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.34 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.12 2.19 0.00 | 53.83 2.34 0.00 | 45.79 1.84 0.00 | 43.78 1.53 0.00 |
| NYPA_HARLEM__RVR__GT1 24160 | 69.00 1.50 0.00 | 66.04 1.51 0.00 | 57.03 1.40 0.00 | 58.37 1.19 0.00 | 54.35 1.14 0.00 | 58.44 1.38 0.00 | 83.38 2.27 0.00 | 95.60 2.03 -22.97 | 88.31 2.10 -17.16 | 64.69 1.84 -9.64 | 46.46 1.84 0.00 | 40.47 1.79 0.00 | 34.62 1.92 0.00 | 40.61 2.39 0.00 | 41.61 2.60 0.00 | 47.14 2.90 0.00 | 61.27 3.13 0.00 | 73.87 2.87 0.00 | 53.39 2.09 0.00 | 53.34 2.31 0.00 | 51.95 2.03 0.00 | 53.76 2.27 0.00 | 45.70 1.76 0.00 | 43.65 1.41 0.00 |
| NYPA_HARLEM__RVR__GT2 24161 | 69.00 1.50 0.00 | 66.04 1.51 0.00 | 57.03 1.40 0.00 | 58.37 1.19 0.00 | 54.35 1.14 0.00 | 58.44 1.38 0.00 | 83.38 2.27 0.00 | 95.60 2.03 -22.97 | 88.31 2.10 -17.16 | 64.69 1.84 -9.64 | 46.46 1.84 0.00 | 40.47 1.79 0.00 | 34.62 1.92 0.00 | 40.61 2.39 0.00 | 41.61 2.60 0.00 | 47.14 2.90 0.00 | 61.27 3.13 0.00 | 73.87 2.87 0.00 | 53.39 2.09 0.00 | 53.34 2.31 0.00 | 51.95 2.03 0.00 | 53.76 2.27 0.00 | 45.70 1.76 0.00 | 43.65 1.41 0.00 |
| NYPA_KENT____GT 24152 | 69.26 1.75 0.00 | 66.23 1.70 0.00 | 57.20 1.57 0.00 | 58.53 1.35 0.00 | 54.50 1.29 0.00 | 58.60 1.54 0.00 | 83.65 2.54 0.00 | 95.84 2.27 -22.97 | 88.41 2.20 -17.16 | 64.78 1.92 -9.64 | 46.56 1.94 0.00 | 40.56 1.88 0.00 | 34.70 1.99 0.00 | 40.77 2.55 0.00 | 41.74 2.74 0.00 | 47.27 3.03 0.00 | 61.44 3.31 0.00 | 74.19 3.18 0.00 | 53.56 2.26 0.00 | 53.50 2.48 0.00 | 52.14 2.21 0.00 | 53.87 2.37 0.00 | 45.82 1.88 0.00 | 43.80 1.56 0.00 |
| NYPA_POUCH1____GT 24155 | 69.15 1.65 0.00 | 66.20 1.67 0.00 | 57.17 1.54 0.00 | 58.47 1.29 0.00 | 54.46 1.25 0.00 | 58.56 1.50 0.00 | 83.56 2.45 0.00 | 95.70 2.12 -22.97 | 88.11 1.89 -17.16 | 64.56 1.70 -9.64 | 46.37 1.76 0.00 | 40.37 1.69 0.00 | 34.55 1.85 0.00 | 40.64 2.42 0.00 | 41.59 2.58 0.00 | 47.09 2.85 0.00 | 61.14 3.01 0.00 | 73.85 2.84 0.00 | 53.40 2.10 0.00 | 53.40 2.37 0.00 | 52.00 2.07 0.00 | 53.73 2.23 0.00 | 45.72 1.78 0.00 | 43.71 1.46 0.00 |
| NYPA_VERNON____GT2 24162 | 69.29 1.79 0.00 | 66.27 1.74 0.00 | 57.24 1.61 0.00 | 58.57 1.39 0.00 | 54.54 1.33 0.00 | 58.64 1.58 0.00 | 83.71 2.60 0.00 | 95.92 2.35 -22.97 | 88.58 2.37 -17.16 | 64.88 2.02 -9.64 | 46.61 2.00 0.00 | 40.60 1.91 0.00 | 34.73 2.02 0.00 | 40.80 2.58 0.00 | 41.78 2.77 0.00 | 47.31 3.07 0.00 | 61.50 3.37 0.00 | 74.29 3.28 0.00 | 53.63 2.33 0.00 | 53.55 2.53 0.00 | 52.22 2.29 0.00 | 53.92 2.43 0.00 | 45.85 1.91 0.00 | 43.82 1.58 0.00 |
| NYPA_VERNON____GT3 24163 | 69.29 1.79 0.00 | 66.27 1.74 0.00 | 57.24 1.61 0.00 | 58.57 1.39 0.00 | 54.54 1.33 0.00 | 58.64 1.58 0.00 | 83.71 2.60 0.00 | 95.92 2.35 -22.97 | 88.58 2.37 -17.16 | 64.88 2.02 -9.64 | 46.61 2.00 0.00 | 40.60 1.91 0.00 | 34.73 2.02 0.00 | 40.80 2.58 0.00 | 41.78 2.77 0.00 | 47.31 3.07 0.00 | 61.50 3.37 0.00 | 74.29 3.28 0.00 | 53.63 2.33 0.00 | 53.55 2.53 0.00 | 52.22 2.29 0.00 | 53.92 2.43 0.00 | 45.85 1.91 0.00 | 43.82 1.58 0.00 |
| NYPA__ASTORIA_CC1 323568 | 69.26 1.76 0.00 | 66.23 1.70 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.61 1.55 0.00 | 83.68 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.97 0.00 | 40.58 1.89 0.00 | 34.71 2.01 0.00 | 40.77 2.56 0.00 | 41.75 2.74 0.00 | 47.29 3.05 0.00 | 61.46 3.33 0.00 | 74.22 3.21 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.42 0.00 | 45.84 1.89 0.00 | 43.80 1.56 0.00 |
| NYPA__ASTORIA_CC2 323569 | 69.26 1.76 0.00 | 66.23 1.70 0.00 | 57.20 1.57 0.00 | 58.54 1.36 0.00 | 54.52 1.31 0.00 | 58.61 1.55 0.00 | 83.68 2.57 0.00 | 95.88 2.30 -22.97 | 88.56 2.34 -17.16 | 64.86 2.00 -9.64 | 46.58 1.97 0.00 | 40.58 1.89 0.00 | 34.71 2.01 0.00 | 40.77 2.56 0.00 | 41.75 2.74 0.00 | 47.29 3.05 0.00 | 61.46 3.33 0.00 | 74.22 3.21 0.00 | 53.58 2.29 0.00 | 53.53 2.50 0.00 | 52.20 2.27 0.00 | 53.91 2.42 0.00 | 45.84 1.89 0.00 | 43.80 1.56 0.00 |
| NYPA__HOLTSVILL 23794 | 69.92 2.42 0.00 | 66.46 1.94 0.00 | 57.52 1.89 0.00 | 58.87 1.70 0.00 | 55.14 1.93 0.00 | 59.24 2.18 0.00 | 84.06 2.94 0.00 | 95.60 2.02 -22.97 | 87.59 1.38 -17.16 | 64.85 1.99 -9.64 | 46.84 2.22 0.00 | 40.83 2.15 0.00 | 35.01 2.30 0.00 | 40.89 2.67 0.00 | 41.97 2.96 0.00 | 47.55 3.31 0.00 | 62.20 4.07 0.00 | 75.04 4.03 0.00 | 53.79 2.49 0.00 | 54.22 3.19 0.00 | 53.02 3.09 -0.01 | 56.51 3.21 -1.81 | 46.52 2.58 0.00 | 44.43 2.19 0.00 |
| NYPA__HELLGATE_GT1 24158 | 69.00 1.50 0.00 | 66.04 1.51 0.00 | 57.03 1.40 0.00 | 58.37 1.19 0.00 | 54.35 1.14 0.00 | 58.44 1.38 0.00 | 83.38 2.27 0.00 | 95.60 2.03 -22.97 | 88.31 2.10 -17.16 | 64.69 1.84 -9.64 | 46.46 1.84 0.00 | 40.47 1.79 0.00 | 34.62 1.92 0.00 | 40.61 2.39 0.00 | 41.61 2.60 0.00 | 47.14 2.90 0.00 | 61.27 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.33 0.00 | 51.99 2.06 0.00 | 53.76 2.27 0.00 | 45.70 1.76 0.00 | 43.65 1.41 0.00 |
| NYPA__HELLGATE_GT2 24159 | 69.00 1.50 0.00 | 66.04 1.51 0.00 | 57.03 1.40 0.00 | 58.37 1.19 0.00 | 54.35 1.14 0.00 | 58.44 1.38 0.00 | 83.38 2.27 0.00 | 95.60 2.03 -22.97 | 88.31 2.10 -17.16 | 64.69 1.84 -9.64 | 46.46 1.84 0.00 | 40.47 1.79 0.00 | 34.62 1.92 0.00 | 40.61 2.39 0.00 | 41.61 2.60 0.00 | 47.14 2.90 0.00 | 61.27 3.13 0.00 | 73.90 2.89 0.00 | 53.39 2.09 0.00 | 53.35 2.33 0.00 | 51.99 2.06 0.00 | 53.76 2.27 0.00 | 45.70 1.76 0.00 | 43.65 1.41 0.00 |
| NYS_BARGE__HYD 23848 | 49.79 -4.11 13.60 | 53.40 -4.68 6.45 | 51.51 -4.12 0.00 | 52.92 -4.26 0.00 | 47.34 -3.96 1.91 | 48.50 -4.91 3.65 | 63.92 -8.13 9.07 | 57.00 -5.95 7.66 | 60.56 -6.15 2.35 | 40.67 -4.65 7.89 | 40.67 -3.95 0.00 | 35.00 -3.68 0.00 | 29.51 -3.19 0.00 | 34.63 -3.59 0.00 | 34.93 -4.08 0.00 | 39.31 -4.93 0.00 | 51.90 -6.23 0.00 | 64.11 -6.60 0.30 | 46.41 -4.57 0.32 | 45.94 -5.08 0.00 | 45.01 -4.92 0.00 | 46.27 -5.23 0.00 | 40.28 -3.67 0.00 | 39.49 -2.75 0.00 |

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| OAK ORCHARD__HYD 24046 | 58.89 -2.09 6.52 | 59.06 -2.38 3.10 | 53.39 -2.24 0.00 | 54.90 -2.28 0.00 | 50.34 -1.95 0.92 | 53.13 -2.17 1.75 | 73.33 -3.41 4.37 | 64.10 -2.68 3.84 | 65.03 -2.87 1.15 | 46.79 -2.46 3.96 | 42.38 -2.24 0.00 | 36.58 -2.10 0.00 | 30.85 -1.85 0.00 | 36.11 -2.11 0.00 | 36.63 -2.39 0.00 | 41.68 -2.55 0.00 | 55.30 -2.83 0.00 | 68.29 -2.57 0.14 | 49.42 -1.72 0.16 | 49.04 -1.98 0.00 | 47.92 -2.01 0.00 | 49.31 -2.19 0.00 | 42.31 -1.63 0.00 | 40.90 -1.34 0.00 |
| OAKDALE__35_KV_LOAD 356122 | 66.83 -0.67 0.00 | 63.79 -0.75 0.00 | 55.02 -0.61 0.00 | 56.65 -0.53 0.00 | 52.68 -0.52 0.00 | 56.49 -0.57 0.00 | 80.10 -1.01 0.00 | 82.40 -0.94 -12.72 | 77.60 -0.96 -9.51 | 57.80 -0.76 -5.34 | 44.12 -0.49 0.00 | 38.30 -0.38 0.00 | 32.46 -0.24 0.00 | 37.96 -0.26 0.00 | 38.66 -0.35 0.00 | 43.83 -0.40 0.00 | 57.43 -0.70 0.00 | 70.21 -0.80 0.00 | 50.87 -0.42 0.00 | 50.57 -0.45 0.00 | 49.48 -0.45 0.00 | 51.08 -0.41 0.00 | 43.65 -0.29 0.00 | 41.99 -0.25 0.00 |
| OCC_CHEM__DRP 24175 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| OH_GEN_PROXY 24063 | 46.30 -4.64 16.57 | 51.63 -5.04 7.86 | 50.94 -4.68 0.00 | 52.37 -4.80 0.00 | 46.67 -4.21 2.33 | 47.65 -4.96 4.45 | 61.66 -8.31 11.14 | 54.06 -6.40 10.15 | 59.55 -6.44 3.06 | 37.93 -4.78 10.51 | 40.54 -4.08 0.00 | 34.97 -3.71 0.00 | 29.56 -3.14 0.00 | 34.76 -3.47 0.00 | 34.99 -4.02 0.00 | 39.41 -4.83 0.00 | 51.89 -6.24 0.00 | 63.69 -6.93 0.39 | 45.94 -4.93 0.42 | 45.67 -5.35 0.00 | 44.72 -5.21 0.00 | 46.02 -5.48 0.00 | 39.93 -4.01 0.00 | 39.08 -3.16 0.00 |
| OLIN_CORP_DRP 24177 | 62.33 -5.17 0.00 | 58.92 -5.61 0.00 | 50.71 -4.92 0.00 | 52.09 -5.09 0.00 | 48.42 -4.79 0.00 | 51.16 -5.90 0.00 | 71.44 -9.67 0.00 | 62.50 -7.24 0.87 | 61.49 -7.29 0.27 | 47.41 -5.42 0.39 | 40.01 -4.60 0.00 | 34.42 -4.25 0.00 | 29.09 -3.61 0.00 | 34.17 -4.05 0.00 | 34.40 -4.61 0.00 | 38.68 -5.56 0.00 | 50.97 -7.16 0.00 | 63.18 -7.83 0.00 | 45.79 -5.51 0.00 | 45.01 -6.02 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.58 -4.37 0.00 | 38.85 -3.39 0.00 |
| OLIN_CORP_DSASP 323712 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| ONEIDA_HERK_LFGE 323681 | 69.49 1.99 0.00 | 66.46 1.93 0.00 | 57.27 1.65 0.00 | 58.85 1.68 0.00 | 54.70 1.50 0.00 | 58.87 1.81 0.00 | 84.11 3.00 0.00 | 73.22 2.61 0.00 | 71.27 2.22 0.00 | 54.44 1.22 0.00 | 45.42 0.80 0.00 | 39.24 0.56 0.00 | 33.00 0.29 0.00 | 38.45 0.23 0.00 | 39.25 0.24 0.00 | 44.64 0.40 0.00 | 59.11 0.98 0.00 | 73.18 2.17 0.00 | 53.16 1.86 0.00 | 52.77 1.74 0.00 | 51.32 1.40 0.00 | 52.93 1.44 0.00 | 45.25 1.31 0.00 | 43.53 1.29 0.00 |
| ONEIDA__115KV_TB4 55905 | 69.08 1.58 0.00 | 66.01 1.48 0.00 | 56.89 1.27 0.00 | 58.51 1.33 0.00 | 54.42 1.22 0.00 | 58.57 1.51 0.00 | 83.52 2.41 0.00 | 72.67 2.06 0.00 | 70.89 1.84 0.00 | 54.31 1.09 0.00 | 45.36 0.75 0.00 | 39.16 0.47 0.00 | 32.92 0.22 0.00 | 38.32 0.10 0.00 | 39.11 0.11 0.00 | 44.52 0.28 0.00 | 58.92 0.79 0.00 | 72.84 1.83 0.00 | 52.89 1.60 0.00 | 52.55 1.53 0.00 | 51.29 1.36 0.00 | 52.84 1.34 0.00 | 45.05 1.11 0.00 | 43.28 1.04 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 66.50 -1.00 0.00 | 63.47 -1.06 0.00 | 54.68 -0.95 0.00 | 56.25 -0.93 0.00 | 52.34 -0.87 0.00 | 56.19 -0.87 0.00 | 79.90 -1.21 0.00 | 69.30 -1.31 0.00 | 67.73 -1.32 0.00 | 52.05 -1.16 0.00 | 43.63 -0.98 0.00 | 37.75 -0.93 0.00 | 31.86 -0.84 0.00 | 37.17 -1.05 0.00 | 37.88 -1.13 0.00 | 43.21 -1.03 0.00 | 57.08 -1.05 0.00 | 70.08 -0.93 0.00 | 50.79 -0.51 0.00 | 50.46 -0.56 0.00 | 49.31 -0.62 0.00 | 50.83 -0.67 0.00 | 43.37 -0.57 0.00 | 41.70 -0.54 0.00 |
| ONONDAGA__COGEN 23986 | 66.33 -1.17 0.00 | 63.33 -1.20 0.00 | 54.57 -1.06 0.00 | 56.13 -1.05 0.00 | 52.18 -1.03 0.00 | 56.02 -1.04 0.00 | 79.64 -1.47 0.00 | 69.06 -1.55 0.00 | 67.49 -1.56 0.00 | 51.88 -1.34 0.00 | 43.46 -1.15 0.00 | 37.62 -1.06 0.00 | 31.75 -0.96 0.00 | 37.04 -1.18 0.00 | 37.75 -1.26 0.00 | 43.05 -1.19 0.00 | 56.90 -1.23 0.00 | 69.85 -1.16 0.00 | 50.59 -0.70 0.00 | 50.30 -0.73 0.00 | 49.11 -0.82 0.00 | 50.64 -0.85 0.00 | 43.24 -0.71 0.00 | 41.57 -0.67 0.00 |
| ONTARIO__LFGE 23819 | 65.89 -1.61 0.00 | 62.91 -1.62 0.00 | 54.12 -1.51 0.00 | 55.75 -1.42 0.00 | 52.01 -1.20 0.00 | 55.89 -1.18 0.00 | 79.19 -1.92 0.00 | 69.06 -1.54 0.00 | 67.32 -1.73 0.00 | 51.74 -1.48 0.00 | 43.48 -1.13 0.00 | 37.66 -1.02 0.00 | 31.73 -0.97 0.00 | 37.00 -1.22 0.00 | 37.50 -1.51 0.00 | 42.55 -1.69 0.00 | 56.15 -1.98 0.00 | 69.29 -1.72 0.00 | 50.63 -0.66 0.00 | 50.05 -0.98 0.00 | 48.90 -1.03 0.00 | 50.34 -1.16 0.00 | 43.31 -0.64 0.00 | 41.87 -0.38 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 56.99 -2.97 7.53 | 57.86 -3.10 3.57 | 52.72 -2.91 0.00 | 54.37 -2.80 0.00 | 49.72 -2.42 1.06 | 52.21 -2.83 2.02 | 71.12 -4.99 5.00 | 70.37 -3.39 -3.15 | 69.32 -3.57 -3.84 | 49.44 -2.71 1.06 | 42.20 -2.41 0.00 | 36.26 -2.42 0.00 | 30.62 -2.08 0.00 | 35.94 -2.28 0.00 | 36.25 -2.76 0.00 | 40.84 -3.40 0.00 | 53.87 -4.26 0.00 | 66.66 -4.21 0.14 | 48.25 -2.89 0.16 | 47.59 -3.43 0.00 | 46.53 -3.40 0.00 | 48.00 -3.49 0.00 | 41.59 -2.36 0.00 | 40.59 -1.66 0.00 |
| ORANGEVILLE__ESR 323794 | 56.99 -2.97 7.53 | 57.86 -3.10 3.57 | 52.72 -2.91 0.00 | 54.37 -2.80 0.00 | 49.72 -2.42 1.06 | 52.21 -2.83 2.02 | 71.12 -4.99 5.00 | 70.37 -3.39 -3.15 | 69.32 -3.57 -3.84 | 49.44 -2.71 1.06 | 42.20 -2.41 0.00 | 36.26 -2.42 0.00 | 30.62 -2.08 0.00 | 35.94 -2.28 0.00 | 36.25 -2.76 0.00 | 40.84 -3.40 0.00 | 53.87 -4.26 0.00 | 66.66 -4.21 0.14 | 48.25 -2.89 0.16 | 47.59 -3.43 0.00 | 46.53 -3.40 0.00 | 48.00 -3.49 0.00 | 41.59 -2.36 0.00 | 40.59 -1.66 0.00 |
| OSWEGATCHIE__HYD 24044 | 69.76 2.26 0.00 | 66.84 2.32 0.00 | 57.61 1.98 0.00 | 59.15 1.98 0.00 | 55.01 1.80 0.00 | 59.13 2.07 0.00 | 84.48 3.37 0.00 | 73.43 2.82 0.00 | 71.01 1.96 0.00 | 54.14 0.93 0.00 | 45.18 0.57 0.00 | 39.06 0.38 0.00 | 32.76 0.06 0.00 | 38.26 0.04 0.00 | 38.96 -0.05 0.00 | 44.32 0.08 0.00 | 58.66 0.52 0.00 | 72.79 1.78 0.00 | 52.91 1.62 0.00 | 52.39 1.36 0.00 | 50.94 1.02 0.00 | 52.51 1.02 0.00 | 45.10 1.16 0.00 | 43.64 1.40 0.00 |
| OSWEGO__5 23606 | 65.29 -2.21 0.00 | 62.35 -2.18 0.00 | 53.74 -1.89 0.00 | 55.24 -1.94 0.00 | 51.42 -1.78 0.00 | 55.16 -1.90 0.00 | 78.40 -2.72 0.00 | 68.06 -2.55 0.00 | 66.53 -2.52 0.00 | 51.15 -2.07 0.00 | 42.85 -1.77 0.00 | 37.12 -1.56 0.00 | 31.35 -1.35 0.00 | 36.61 -1.61 0.00 | 37.32 -1.68 0.00 | 42.50 -1.74 0.00 | 56.06 -2.07 0.00 | 68.71 -2.30 0.00 | 49.72 -1.58 0.00 | 49.41 -1.61 0.00 | 48.29 -1.64 0.00 | 49.79 -1.70 0.00 | 42.52 -1.42 0.00 | 40.90 -1.35 0.00 |

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| OSWEGO___6 23613 | 65.29 -2.21 0.00 | 62.35 -2.18 0.00 | 53.74 -1.89 0.00 | 55.24 -1.94 0.00 | 51.42 -1.78 0.00 | 55.16 -1.90 0.00 | 78.40 -2.72 0.00 | 68.06 -2.55 0.00 | 66.53 -2.52 0.00 | 51.15 -2.07 0.00 | 42.85 -1.77 0.00 | 37.12 -1.56 0.00 | 31.35 -1.35 0.00 | 36.61 -1.61 0.00 | 37.32 -1.68 0.00 | 42.50 -1.74 0.00 | 56.06 -2.07 0.00 | 68.71 -2.30 0.00 | 49.72 -1.58 0.00 | 49.41 -1.61 0.00 | 48.29 -1.64 0.00 | 49.79 -1.70 0.00 | 42.52 -1.42 0.00 | 40.90 -1.35 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 64.14 -3.37 0.00 | 60.63 -3.90 0.00 | 51.95 -3.68 0.00 | 53.40 -3.77 0.00 | 49.93 -3.28 0.00 | 53.37 -3.69 0.00 | 74.60 -6.51 0.00 | 66.79 -4.41 -0.59 | 64.55 -4.61 -0.11 | 50.06 -3.36 -0.19 | 41.71 -2.91 0.00 | 35.83 -2.85 0.00 | 30.27 -2.44 0.00 | 35.59 -2.62 0.00 | 35.85 -3.16 0.00 | 40.36 -3.88 0.00 | 53.15 -4.98 0.00 | 65.38 -5.62 0.00 | 47.32 -3.97 0.00 | 46.51 -4.52 0.00 | 45.57 -4.35 0.00 | 46.84 -4.65 0.00 | 40.73 -3.22 0.00 | 39.91 -2.33 0.00 |
| OXBOW___BTM 323836 | 47.70 -4.20 15.60 | 52.43 -4.70 7.40 | 51.19 -4.44 0.00 | 52.60 -4.57 0.00 | 46.97 -4.05 2.20 | 47.26 -5.60 4.20 | 61.03 -9.61 10.48 | 53.85 -7.48 9.28 | 58.92 -7.38 2.75 | 38.39 -5.41 9.42 | 40.02 -4.59 0.00 | 34.49 -4.19 0.00 | 29.14 -3.56 0.00 | 34.27 -3.95 0.00 | 34.47 -4.54 0.00 | 38.78 -5.46 0.00 | 51.08 -7.05 0.00 | 63.91 -6.77 0.33 | 46.15 -4.79 0.36 | 45.72 -5.30 0.00 | 44.79 -5.14 0.00 | 46.06 -5.44 0.00 | 40.02 -3.93 0.00 | 39.32 -2.92 0.00 |
| OXBOW___ 24026 | 63.29 -4.21 0.00 | 59.83 -4.70 0.00 | 51.19 -4.44 0.00 | 52.61 -4.57 0.00 | 49.16 -4.05 0.00 | 51.45 -5.61 0.00 | 71.48 -9.63 0.00 | 62.88 -7.44 0.29 | 61.66 -7.36 0.03 | 47.75 -5.40 0.07 | 40.03 -4.58 0.00 | 34.46 -4.22 0.00 | 29.14 -3.56 0.00 | 34.27 -3.95 0.00 | 34.48 -4.54 0.00 | 38.78 -5.46 0.00 | 51.10 -7.03 0.00 | 64.24 -6.77 0.00 | 46.50 -4.80 0.00 | 45.72 -5.31 0.00 | 44.79 -5.14 0.00 | 46.06 -5.44 0.00 | 40.04 -3.90 0.00 | 39.33 -2.91 0.00 |
| OXY_CHEM_DSASP 323612 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| OZONE_PARK_ESR 323760 | 69.72 2.22 0.00 | 66.65 2.11 0.00 | 57.56 1.93 0.00 | 58.89 1.71 0.00 | 54.85 1.64 0.00 | 58.96 1.90 0.00 | 84.21 3.09 0.00 | 96.36 2.78 -22.97 | 89.02 2.80 -17.16 | 65.22 2.36 -9.64 | 46.87 2.26 0.00 | 40.85 2.17 0.00 | 34.94 2.24 0.00 | 41.03 2.81 0.00 | 41.98 2.98 0.00 | 47.57 3.34 0.00 | 61.87 3.74 0.00 | 74.88 3.87 0.00 | 54.04 2.74 0.00 | 53.93 2.90 0.00 | 52.57 2.64 0.00 | 54.27 2.78 0.00 | 46.11 2.17 0.00 | 44.07 1.83 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 62.59 -4.91 0.00 | 59.19 -5.34 0.00 | 50.59 -5.04 0.00 | 51.97 -5.20 0.00 | 48.70 -4.50 0.00 | 51.73 -5.33 0.00 | 71.86 -9.25 0.00 | 63.21 -7.11 0.29 | 61.86 -7.16 0.03 | 47.85 -5.30 0.07 | 40.12 -4.50 0.00 | 34.53 -4.16 0.00 | 29.21 -3.50 0.00 | 34.34 -3.88 0.00 | 34.55 -4.46 0.00 | 38.87 -5.37 0.00 | 51.14 -6.99 0.00 | 63.23 -7.78 0.00 | 45.77 -5.53 0.00 | 45.02 -6.01 0.00 | 44.11 -5.82 0.00 | 45.35 -6.14 0.00 | 39.47 -4.48 0.00 | 38.86 -3.39 0.00 |
| PACKARD___115KV_DUPONT_184 80571 | 46.97 -4.90 15.63 | 51.77 -5.34 7.42 | 50.59 -5.04 0.00 | 51.97 -5.21 0.00 | 46.51 -4.50 2.20 | 47.55 -5.31 4.20 | 61.41 -9.23 10.48 | 54.18 -7.15 9.28 | 59.11 -7.19 2.75 | 38.48 -5.32 9.42 | 40.11 -4.51 0.00 | 34.56 -4.12 0.00 | 29.21 -3.49 0.00 | 34.34 -3.88 0.00 | 34.54 -4.47 0.00 | 38.87 -5.37 0.00 | 51.13 -7.00 0.00 | 62.89 -7.78 0.34 | 45.39 -5.53 0.37 | 45.01 -6.01 0.00 | 44.11 -5.82 0.00 | 45.36 -6.13 0.00 | 39.44 -4.51 0.00 | 38.84 -3.40 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 69.05 1.55 0.00 | 66.10 1.56 0.00 | 57.08 1.46 0.00 | 58.42 1.25 0.00 | 54.39 1.18 0.00 | 58.48 1.43 0.00 | 83.48 2.37 0.00 | 95.68 2.10 -22.97 | 88.36 2.14 -17.16 | 64.69 1.84 -9.64 | 46.39 1.78 0.00 | 40.42 1.74 0.00 | 34.59 1.88 0.00 | 40.58 2.36 0.00 | 41.58 2.57 0.00 | 47.13 2.89 0.00 | 61.25 3.12 0.00 | 73.97 2.96 0.00 | 53.45 2.15 0.00 | 53.42 2.39 0.00 | 52.04 2.11 0.00 | 53.78 2.29 0.00 | 45.71 1.77 0.00 | 43.69 1.45 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 71.13 3.63 0.00 | 68.13 3.60 0.00 | 58.86 3.24 0.00 | 60.29 3.12 0.00 | 56.14 2.93 0.00 | 60.43 3.37 0.00 | 86.27 5.16 0.00 | 98.07 4.50 -22.97 | 90.59 4.38 -17.16 | 66.41 3.56 -9.64 | 47.78 3.17 0.00 | 41.62 2.94 0.00 | 35.60 2.89 0.00 | 41.75 3.53 0.00 | 42.76 3.76 0.00 | 48.46 4.22 0.00 | 63.02 4.89 0.00 | 76.03 5.02 0.00 | 54.98 3.68 0.00 | 54.92 3.90 0.00 | 53.45 3.52 0.00 | 55.31 3.82 0.00 | 47.01 3.07 0.00 | 44.95 2.71 0.00 |
| PATROON___115KV_TB1 80586 | 69.83 2.33 0.00 | 66.89 2.36 0.00 | 57.61 1.98 0.00 | 59.20 2.03 0.00 | 55.00 1.79 0.00 | 58.95 1.89 0.00 | 83.85 2.74 0.00 | 300.21 2.26 -227.35 | 241.35 2.41 -169.89 | 150.35 1.75 -95.38 | 45.96 1.34 0.00 | 39.83 1.15 0.00 | 33.65 0.95 0.00 | 39.29 1.07 0.00 | 40.24 1.23 0.00 | 45.69 1.45 0.00 | 60.08 1.95 0.00 | 72.96 1.95 0.00 | 52.70 1.40 0.00 | 52.55 1.52 0.00 | 51.35 1.43 0.00 | 53.08 1.59 0.00 | 45.19 1.25 0.00 | 43.38 1.14 0.00 |
| PATRSNVILLE___SOLAR 323815 | 70.28 2.77 0.00 | 67.19 2.66 0.00 | 57.89 2.26 0.00 | 59.35 2.18 0.00 | 54.74 1.53 0.00 | 58.69 1.63 0.00 | 83.55 2.43 0.00 | 414.85 2.42 -341.82 | 326.72 2.24 -255.43 | 198.01 1.39 -143.40 | 45.44 0.83 0.00 | 39.19 0.50 0.00 | 32.93 0.24 0.00 | 38.35 0.14 0.00 | 39.22 0.21 0.00 | 44.62 0.38 0.00 | 59.21 1.08 0.00 | 72.96 1.95 0.00 | 52.88 1.58 0.00 | 52.65 1.63 0.00 | 51.47 1.54 0.00 | 53.07 1.58 0.00 | 45.20 1.25 0.00 | 43.41 1.17 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 66.29 -1.21 0.00 | 62.85 -1.68 0.00 | 53.74 -1.89 0.00 | 55.28 -1.90 0.00 | 51.71 -1.50 0.00 | 55.21 -1.85 0.00 | 77.49 -3.62 0.00 | 71.99 -1.25 -2.63 | 68.37 -1.44 -0.76 | 53.45 -0.91 -1.14 | 43.51 -1.10 0.00 | 37.22 -1.46 0.00 | 31.46 -1.24 0.00 | 37.00 -1.22 0.00 | 37.27 -1.74 0.00 | 41.94 -2.29 0.00 | 55.36 -2.77 0.00 | 68.58 -2.43 0.00 | 49.56 -1.74 0.00 | 48.51 -2.52 0.00 | 47.47 -2.45 0.00 | 48.89 -2.61 0.00 | 42.35 -1.60 0.00 | 41.28 -0.96 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 69.57 2.06 0.00 | 66.53 2.00 0.00 | 57.44 1.81 0.00 | 58.88 1.70 0.00 | 54.82 1.61 0.00 | 58.89 1.83 0.00 | 83.98 2.87 0.00 | 97.03 2.57 -23.85 | 89.51 2.64 -17.82 | 65.36 2.13 -10.00 | 46.50 1.89 0.00 | 40.45 1.77 0.00 | 34.51 1.81 0.00 | 40.44 2.22 0.00 | 41.41 2.40 0.00 | 46.89 2.65 0.00 | 61.20 3.07 0.00 | 74.24 3.23 0.00 | 53.62 2.32 0.00 | 53.54 2.52 0.00 | 52.22 2.29 0.00 | 53.89 2.40 0.00 | 45.81 1.86 0.00 | 43.82 1.58 0.00 |
| PEEKSKILL___ 23653 | 68.56 1.06 0.00 | 65.56 1.03 0.00 | 56.61 0.99 0.00 | 58.02 0.84 0.00 | 54.02 0.81 0.00 | 57.98 0.92 0.00 | 82.66 1.55 0.00 | 94.70 1.39 -22.70 | 87.49 1.47 -16.97 | 64.07 1.33 -9.52 | 45.95 1.34 0.00 | 40.04 1.36 0.00 | 34.23 1.53 0.00 | 40.17 1.95 0.00 | 41.10 2.09 0.00 | 46.54 2.30 0.00 | 60.59 2.46 0.00 | 73.35 2.34 0.00 | 52.93 1.63 0.00 | 52.84 1.82 0.00 | 51.52 1.60 0.00 | 53.22 1.72 0.00 | 45.27 1.32 0.00 | 43.30 1.06 0.00 |

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| PGE MADISON___WINDPWR 24146 | 72.15 4.65 0.00 | 68.32 3.79 0.00 | 59.27 3.64 0.00 | 61.26 4.09 0.00 | 57.06 3.85 0.00 | 61.34 4.28 0.00 | 87.65 6.54 0.00 | 94.99 5.97 -18.42 | 88.11 5.29 -13.77 | 64.52 3.57 -7.73 | 47.37 2.76 0.00 | 40.44 1.76 0.00 | 33.73 1.03 0.00 | 39.29 1.07 0.00 | 40.03 1.02 0.00 | 45.75 1.51 0.00 | 61.20 3.07 0.00 | 76.51 5.50 0.00 | 55.80 4.50 0.00 | 55.24 4.22 0.00 | 54.08 4.15 0.00 | 55.56 4.07 0.00 | 47.14 3.19 0.00 | 45.14 2.90 0.00 |
| PIERCEFIELD___HYD 23852 | 69.86 2.36 0.00 | 66.86 2.33 0.00 | 57.67 2.04 0.00 | 59.21 2.04 0.00 | 55.12 1.92 0.00 | 59.13 2.07 0.00 | 84.15 3.03 0.00 | 73.12 2.51 0.00 | 70.75 1.70 0.00 | 54.38 1.17 0.00 | 45.63 1.01 0.00 | 39.52 0.84 0.00 | 33.17 0.47 0.00 | 38.78 0.56 0.00 | 39.47 0.46 0.00 | 44.82 0.59 0.00 | 58.97 0.84 0.00 | 72.42 1.41 0.00 | 52.34 1.05 0.00 | 51.82 0.80 0.00 | 50.79 0.86 0.00 | 52.23 0.74 0.00 | 44.89 0.94 0.00 | 43.53 1.29 0.00 |
| PINELAWN_CC_1 323563 | 70.07 2.57 0.00 | 66.78 2.25 0.00 | 57.73 2.11 0.00 | 59.08 1.90 0.00 | 55.21 2.00 0.00 | 59.31 2.25 0.00 | 84.16 3.04 0.00 | 95.83 2.26 -22.97 | 88.06 1.84 -17.16 | 65.07 2.21 -9.64 | 46.97 2.35 0.00 | 40.91 2.22 0.00 | 35.05 2.35 0.00 | 40.97 2.75 0.00 | 42.05 3.04 0.00 | 47.71 3.47 0.00 | 62.30 4.17 0.00 | 75.17 4.16 0.00 | 53.95 2.66 0.00 | 54.31 3.28 0.00 | 52.99 3.06 0.00 | 55.02 3.14 -0.39 | 46.46 2.51 0.00 | 44.42 2.18 0.00 |
| PJM_GEN_HTP_PROXY 323702 | 69.01 1.51 0.00 | 65.99 1.46 0.00 | 57.01 1.39 0.00 | 58.35 1.18 0.00 | 54.36 1.15 0.00 | 58.40 1.34 0.00 | 83.32 2.21 0.00 | 95.52 1.95 -22.97 | 88.25 2.04 -17.16 | 64.66 1.80 -9.63 | 46.47 1.79 -0.07 | 40.42 1.74 0.00 | 34.68 1.88 -0.10 | 40.62 2.40 0.00 | 41.56 2.56 0.00 | 47.07 2.83 0.00 | 61.23 3.10 0.00 | 59.42 3.04 14.63 | 53.42 2.12 0.00 | 53.33 2.30 0.00 | 51.98 2.06 0.00 | 53.67 2.18 0.00 | 45.63 1.69 0.00 | 43.63 1.39 0.00 |
| PJM_GEN_KEystone 24065 | 33.53 -1.50 32.47 | 51.97 -1.55 11.00 | 54.28 -1.34 0.00 | 43.41 -1.42 12.35 | 34.95 -1.28 16.99 | 42.97 -1.48 12.61 | 51.99 -2.49 26.64 | 102.11 -1.99 -33.49 | 68.54 -1.95 -1.44 | 46.27 -1.33 5.62 | 43.80 -0.89 -0.07 | 38.08 -0.60 0.00 | 32.59 -0.21 -0.10 | 38.19 -0.03 0.00 | 38.88 -0.13 0.00 | 43.89 -0.34 0.00 | 57.12 -1.01 0.00 | 54.35 -1.58 15.08 | 8.51 -1.07 41.72 | 45.67 -1.07 4.30 | 48.81 -1.12 0.00 | 49.51 -1.06 0.92 | 43.16 -0.78 0.00 | 36.73 -0.66 4.85 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 69.08 1.58 0.00 | 65.91 1.38 0.00 | 56.96 1.33 0.00 | 58.32 1.14 0.00 | 54.45 1.24 0.00 | 58.43 1.37 0.00 | 82.96 1.85 0.00 | 94.92 1.34 -22.97 | 87.37 1.15 -17.16 | 64.40 1.54 -9.64 | 46.39 1.71 -0.07 | 40.35 1.66 0.00 | 34.66 1.87 -0.10 | 40.49 2.27 0.00 | 41.48 2.47 0.00 | 47.02 2.78 0.00 | 61.29 3.16 0.00 | 59.36 2.98 14.63 | 53.17 1.87 0.00 | 53.41 2.39 0.00 | 52.08 2.16 0.00 | 53.72 2.23 0.00 | 45.71 1.77 0.00 | 43.72 1.47 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 68.70 1.20 0.00 | 65.71 1.18 0.00 | 56.78 1.15 0.00 | 58.10 0.93 0.00 | 54.11 0.90 0.00 | 58.15 1.09 0.00 | 82.96 1.85 0.00 | 95.26 1.68 -22.97 | 88.04 1.83 -17.16 | 64.47 1.62 -9.64 | 46.29 1.61 -0.07 | 40.27 1.59 0.00 | 34.59 1.79 -0.10 | 40.51 2.29 0.00 | 41.46 2.46 0.00 | 46.94 2.71 0.00 | 61.00 2.87 0.00 | 59.17 2.79 14.63 | 53.24 1.94 0.00 | 53.13 2.10 0.00 | 51.78 1.85 0.00 | 53.44 1.95 0.00 | 45.45 1.51 0.00 | 43.45 1.21 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 69.93 2.43 0.00 | 66.74 2.21 0.00 | 57.54 1.91 0.00 | 59.22 2.05 0.00 | 55.14 1.93 0.00 | 58.93 1.87 0.00 | 83.52 2.40 0.00 | 72.45 1.84 0.00 | 70.74 1.69 0.00 | 54.62 1.41 0.00 | 45.91 1.30 0.00 | 39.78 1.10 0.00 | 33.29 0.59 0.00 | 38.92 0.70 0.00 | 39.68 0.67 0.00 | 45.13 0.89 0.00 | 59.73 1.60 0.00 | 73.32 2.30 0.00 | 52.91 1.62 0.00 | 52.63 1.60 0.00 | 51.64 1.72 0.00 | 53.05 1.56 0.00 | 45.17 1.23 0.00 | 43.36 1.12 0.00 |
| PLEASANTVLY___LBMP 24000 | 68.44 0.94 0.00 | 65.50 0.97 0.00 | 56.59 0.96 0.00 | 58.04 0.86 0.00 | 54.01 0.81 0.00 | 57.96 0.90 0.00 | 82.53 1.42 0.00 | 96.10 1.24 -24.25 | 88.49 1.32 -18.12 | 64.55 1.16 -10.17 | 45.69 1.08 0.00 | 39.76 1.07 0.00 | 33.93 1.23 0.00 | 39.80 1.58 0.00 | 40.76 1.75 0.00 | 46.14 1.91 0.00 | 60.14 2.01 0.00 | 72.87 1.86 0.00 | 52.62 1.32 0.00 | 52.55 1.52 0.00 | 51.25 1.32 0.00 | 52.91 1.42 0.00 | 45.00 1.06 0.00 | 43.08 0.84 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 69.06 1.56 0.00 | 66.08 1.55 0.00 | 57.05 1.42 0.00 | 58.47 1.30 0.00 | 54.45 1.24 0.00 | 58.48 1.43 0.00 | 83.34 2.23 0.00 | 95.73 2.00 -23.13 | 88.40 2.07 -17.28 | 64.68 1.76 -9.70 | 46.28 1.66 0.00 | 40.31 1.63 0.00 | 34.42 1.72 0.00 | 40.39 2.17 0.00 | 41.33 2.32 0.00 | 46.81 2.57 0.00 | 60.98 2.84 0.00 | 73.84 2.83 0.00 | 53.31 2.01 0.00 | 53.22 2.19 0.00 | 51.90 1.98 0.00 | 53.57 2.08 0.00 | 45.53 1.59 0.00 | 43.56 1.32 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 69.06 1.56 0.00 | 66.08 1.55 0.00 | 57.05 1.42 0.00 | 58.47 1.30 0.00 | 54.45 1.24 0.00 | 58.48 1.43 0.00 | 83.34 2.23 0.00 | 95.73 2.00 -23.13 | 88.40 2.07 -17.28 | 64.68 1.76 -9.70 | 46.28 1.66 0.00 | 40.31 1.63 0.00 | 34.42 1.72 0.00 | 40.39 2.17 0.00 | 41.33 2.32 0.00 | 46.81 2.57 0.00 | 60.98 2.84 0.00 | 73.84 2.83 0.00 | 53.31 2.01 0.00 | 53.22 2.19 0.00 | 51.90 1.98 0.00 | 53.57 2.08 0.00 | 45.53 1.59 0.00 | 43.56 1.32 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 69.27 1.77 0.00 | 66.27 1.74 0.00 | 57.21 1.58 0.00 | 58.69 1.52 0.00 | 54.62 1.41 0.00 | 58.65 1.59 0.00 | 83.57 2.46 0.00 | 97.23 2.16 -24.46 | 89.57 2.24 -18.28 | 65.27 1.79 -10.26 | 46.13 1.52 0.00 | 40.11 1.43 0.00 | 34.16 1.46 0.00 | 40.04 1.82 0.00 | 41.01 2.00 0.00 | 46.44 2.21 0.00 | 60.68 2.55 0.00 | 73.69 2.68 0.00 | 53.24 1.94 0.00 | 53.16 2.14 0.00 | 51.85 1.93 0.00 | 53.53 2.03 0.00 | 45.50 1.55 0.00 | 43.54 1.30 0.00 |
| POLETTI___ 23519 | 68.85 1.35 0.00 | 65.85 1.32 0.00 | 56.95 1.32 0.00 | 58.29 1.11 0.00 | 54.27 1.06 0.00 | 58.34 1.28 0.00 | 83.25 2.14 0.00 | 95.39 1.81 -22.97 | 88.12 1.90 -17.16 | 64.52 1.67 -9.64 | 46.30 1.68 0.00 | 40.36 1.68 0.00 | 34.55 1.84 0.00 | 40.56 2.34 0.00 | 41.50 2.50 0.00 | 47.01 2.78 0.00 | 61.13 3.00 0.00 | 73.93 2.92 0.00 | 53.34 2.04 0.00 | 53.24 2.22 0.00 | 51.90 1.97 0.00 | 53.59 2.10 0.00 | 45.54 1.60 0.00 | 43.55 1.30 0.00 |
| POMONA___ESR 323819 | 68.28 0.78 0.00 | 65.32 0.79 0.00 | 56.42 0.79 0.00 | 57.81 0.63 0.00 | 53.82 0.61 0.00 | 57.77 0.71 0.00 | 82.36 1.25 0.00 | 94.01 1.12 -22.28 | 86.93 1.23 -16.65 | 63.72 1.15 -9.35 | 45.87 1.25 0.00 | 40.02 1.34 0.00 | 34.22 1.52 0.00 | 40.15 1.93 0.00 | 41.07 2.06 0.00 | 46.50 2.26 0.00 | 60.51 2.38 0.00 | 73.21 2.20 0.00 | 52.84 1.54 0.00 | 52.73 1.71 0.00 | 51.41 1.48 0.00 | 53.12 1.62 0.00 | 45.19 1.24 0.00 | 43.26 1.01 0.00 |
| PORT_JEFF_3 23555 | 70.08 2.58 0.00 | 66.61 2.08 0.00 | 57.64 2.01 0.00 | 59.00 1.83 0.00 | 55.25 2.05 0.00 | 59.38 2.32 0.00 | 84.27 3.15 0.00 | 95.80 2.22 -22.97 | 87.77 1.56 -17.16 | 64.98 2.12 -9.64 | 46.93 2.32 0.00 | 40.92 2.24 0.00 | 35.07 2.37 0.00 | 40.97 2.75 0.00 | 42.05 3.04 0.00 | 47.65 3.41 0.00 | 62.34 4.21 0.00 | 75.23 4.22 0.00 | 53.94 2.64 0.00 | 54.37 3.34 0.00 | 53.18 3.24 -0.01 | 56.56 3.36 -1.70 | 46.65 2.70 0.00 | 44.55 2.31 0.00 |

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| PORT_JEFF_4 23616 | 70.08 2.58 0.00 | 66.61 2.08 0.00 | 57.64 2.01 0.00 | 59.00 1.83 0.00 | 55.25 2.05 0.00 | 59.38 2.32 0.00 | 84.27 3.15 0.00 | 95.80 2.22 -22.97 | 87.77 1.56 -17.16 | 64.98 2.12 -9.64 | 46.93 2.32 0.00 | 40.92 2.24 0.00 | 35.07 2.37 0.00 | 40.97 2.75 0.00 | 42.05 3.04 0.00 | 47.65 3.41 0.00 | 62.34 4.21 0.00 | 75.23 4.22 0.00 | 53.94 2.64 0.00 | 54.37 3.34 0.00 | 53.18 3.24 -0.01 | 56.56 3.36 -1.70 | 46.65 2.70 0.00 | 44.55 2.31 0.00 |
| PORT_JEFF_IC 23713 | 70.18 2.68 0.00 | 66.67 2.14 0.00 | 57.70 2.07 0.00 | 59.06 1.88 0.00 | 55.31 2.10 0.00 | 59.46 2.40 0.00 | 84.41 3.30 0.00 | 95.93 2.35 -22.97 | 87.84 1.63 -17.16 | 65.03 2.17 -9.64 | 46.98 2.37 0.00 | 40.97 2.29 0.00 | 35.10 2.40 0.00 | 41.00 2.78 0.00 | 42.08 3.08 0.00 | 47.68 3.44 0.00 | 62.40 4.26 0.00 | 75.35 4.34 0.00 | 54.01 2.71 0.00 | 54.47 3.44 0.00 | 53.23 3.30 -0.01 | 56.35 3.45 -1.40 | 46.71 2.77 0.00 | 44.60 2.36 0.00 |
| PPL_PILGRIM_ST_GT1 24216 | 70.14 2.64 0.00 | 66.95 2.42 0.00 | 57.91 2.29 0.00 | 59.28 2.11 0.00 | 55.44 2.23 0.00 | 59.56 2.50 0.00 | 84.06 2.95 0.00 | 95.40 1.82 -22.97 | 87.55 1.33 -17.16 | 65.00 2.15 -9.64 | 47.16 2.55 0.00 | 41.10 2.42 0.00 | 35.20 2.50 0.00 | 41.15 2.93 0.00 | 42.22 3.21 0.00 | 47.88 3.64 0.00 | 62.55 4.42 0.00 | 75.16 4.15 0.00 | 53.75 2.45 0.00 | 54.45 3.42 0.00 | 53.24 3.31 -0.01 | 56.48 3.38 -1.60 | 46.69 2.75 0.00 | 44.64 2.40 0.00 |
| PPL_PILGRIM_ST_GT2 24217 | 70.14 2.64 0.00 | 66.95 2.42 0.00 | 57.91 2.29 0.00 | 59.28 2.11 0.00 | 55.44 2.23 0.00 | 59.56 2.50 0.00 | 84.06 2.95 0.00 | 95.40 1.82 -22.97 | 87.55 1.33 -17.16 | 65.00 2.15 -9.64 | 47.16 2.55 0.00 | 41.10 2.42 0.00 | 35.20 2.50 0.00 | 41.15 2.93 0.00 | 42.22 3.21 0.00 | 47.88 3.64 0.00 | 62.55 4.42 0.00 | 75.16 4.15 0.00 | 53.75 2.45 0.00 | 54.45 3.42 0.00 | 53.24 3.31 -0.01 | 56.48 3.38 -1.60 | 46.69 2.75 0.00 | 44.64 2.40 0.00 |
| PPL_SHRM_GT3 24213 | 70.14 2.64 0.00 | 66.27 1.74 0.00 | 57.50 1.87 0.00 | 58.85 1.68 0.00 | 55.36 2.15 0.00 | 59.56 2.50 0.00 | 84.70 3.59 0.00 | 95.91 2.33 -22.97 | 87.24 1.03 -17.16 | 64.79 1.94 -9.64 | 46.86 2.25 0.00 | 40.86 2.19 0.00 | 35.10 2.39 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.58 3.34 0.00 | 62.47 4.34 0.00 | 75.38 4.37 0.00 | 53.91 2.62 0.00 | 54.54 3.51 0.00 | 53.49 3.55 -0.01 | 56.93 3.81 -1.63 | 47.02 3.07 0.00 | 44.75 2.51 0.00 |
| PPL_SHRM_GT4 24214 | 70.14 2.64 0.00 | 66.27 1.74 0.00 | 57.50 1.87 0.00 | 58.85 1.68 0.00 | 55.36 2.15 0.00 | 59.56 2.50 0.00 | 84.70 3.59 0.00 | 95.91 2.33 -22.97 | 87.24 1.03 -17.16 | 64.79 1.94 -9.64 | 46.86 2.25 0.00 | 40.86 2.19 0.00 | 35.10 2.39 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.58 3.34 0.00 | 62.47 4.34 0.00 | 75.38 4.37 0.00 | 53.91 2.62 0.00 | 54.54 3.51 0.00 | 53.49 3.55 -0.01 | 56.93 3.81 -1.63 | 47.02 3.07 0.00 | 44.75 2.51 0.00 |
| PROJECT___ORANGE 1 24174 | 66.03 -1.47 0.00 | 63.02 -1.51 0.00 | 54.30 -1.33 0.00 | 55.84 -1.33 0.00 | 51.98 -1.23 0.00 | 55.79 -1.27 0.00 | 79.30 -1.82 0.00 | 68.74 -1.87 0.00 | 67.21 -1.84 0.00 | 51.69 -1.53 0.00 | 43.31 -1.30 0.00 | 37.50 -1.18 0.00 | 31.66 -1.04 0.00 | 36.95 -1.27 0.00 | 37.65 -1.36 0.00 | 42.97 -1.27 0.00 | 56.78 -1.35 0.00 | 69.61 -1.40 0.00 | 50.38 -0.91 0.00 | 50.05 -0.97 0.00 | 48.91 -1.02 0.00 | 50.41 -1.08 0.00 | 43.03 -0.91 0.00 | 41.37 -0.87 0.00 |
| PROJECT___ORANGE 2 24166 | 66.03 -1.47 0.00 | 63.02 -1.51 0.00 | 54.30 -1.33 0.00 | 55.84 -1.33 0.00 | 51.98 -1.23 0.00 | 55.79 -1.27 0.00 | 79.30 -1.82 0.00 | 68.74 -1.87 0.00 | 67.21 -1.84 0.00 | 51.69 -1.53 0.00 | 43.31 -1.30 0.00 | 37.50 -1.18 0.00 | 31.66 -1.04 0.00 | 36.95 -1.27 0.00 | 37.65 -1.36 0.00 | 42.97 -1.27 0.00 | 56.78 -1.35 0.00 | 69.61 -1.40 0.00 | 50.38 -0.91 0.00 | 50.05 -0.97 0.00 | 48.91 -1.02 0.00 | 50.41 -1.08 0.00 | 43.03 -0.91 0.00 | 41.37 -0.87 0.00 |
| PUCKETT___SOLAR 323809 | 73.71 0.48 -5.72 | 67.56 0.31 -2.72 | 55.99 0.36 0.00 | 57.68 0.50 0.00 | 54.49 0.47 -0.80 | 59.17 0.57 -1.54 | 85.70 0.77 -3.82 | 89.99 0.66 -18.72 | 82.07 0.47 -12.55 | 63.24 0.18 -9.85 | 44.76 0.15 0.00 | 38.66 -0.03 0.00 | 32.47 -0.23 0.00 | 37.91 -0.31 0.00 | 38.67 -0.34 0.00 | 43.97 -0.27 0.00 | 58.00 -0.13 0.00 | 71.67 0.52 -0.13 | 52.13 0.69 -0.14 | 51.66 0.64 0.00 | 50.49 0.56 0.00 | 52.11 0.62 0.00 | 44.47 0.53 0.00 | 42.72 0.47 0.00 |
| PYRITES___HYD 24023 | 70.98 3.48 0.00 | 67.99 3.46 0.00 | 58.63 3.00 0.00 | 60.20 3.03 0.00 | 56.05 2.85 0.00 | 60.17 3.12 0.00 | 85.66 4.55 0.00 | 74.34 3.73 0.00 | 71.22 2.17 0.00 | 54.61 1.39 0.00 | 45.83 1.22 0.00 | 39.71 1.03 0.00 | 33.34 0.64 0.00 | 39.00 0.78 0.00 | 39.67 0.66 0.00 | 45.04 0.81 0.00 | 59.36 1.23 0.00 | 73.42 2.41 0.00 | 53.34 2.04 0.00 | 52.81 1.79 0.00 | 51.81 1.88 0.00 | 53.23 1.73 0.00 | 45.67 1.73 0.00 | 44.25 2.00 0.00 |
| QUAKERRD_115KV_BK1 80622 | 64.10 -3.41 0.00 | 60.99 -3.54 0.00 | 52.43 -3.20 0.00 | 53.90 -3.28 0.00 | 50.30 -2.91 0.00 | 53.90 -3.16 0.00 | 76.38 -4.73 0.00 | 66.64 -3.97 0.00 | 64.96 -4.09 0.00 | 49.90 -3.32 0.00 | 41.69 -2.92 0.00 | 35.97 -2.71 0.00 | 30.36 -2.34 0.00 | 35.51 -2.71 0.00 | 36.05 -2.96 0.00 | 41.05 -3.19 0.00 | 54.46 -3.67 0.00 | 67.26 -3.75 0.00 | 48.71 -2.59 0.00 | 48.22 -2.81 0.00 | 47.12 -2.81 0.00 | 48.50 -3.00 0.00 | 41.56 -2.38 0.00 | 40.13 -2.11 0.00 |
| QUENSBRY_115KV_TB8 356137 | 72.29 4.79 0.00 | 69.00 4.47 0.00 | 59.32 3.69 0.00 | 61.12 3.94 0.00 | 56.43 3.22 0.00 | 60.55 3.49 0.00 | 86.17 5.05 0.00 | 405.83 4.80 -330.43 | 320.05 4.08 -246.92 | 194.69 2.85 -138.62 | 46.55 1.93 0.00 | 39.87 1.19 0.00 | 33.49 0.79 0.00 | 39.00 0.78 0.00 | 40.06 1.06 0.00 | 45.75 1.52 0.00 | 60.97 2.84 0.00 | 74.70 3.69 0.00 | 53.81 2.51 0.00 | 53.74 2.71 0.00 | 52.51 2.58 0.00 | 54.09 2.60 0.00 | 45.89 1.94 0.00 | 43.96 1.72 0.00 |
| RAMAPO___LBMP 323565 | 68.08 0.58 0.00 | 65.14 0.61 0.00 | 56.27 0.64 0.00 | 57.67 0.49 0.00 | 53.70 0.49 0.00 | 57.62 0.56 0.00 | 82.13 1.02 0.00 | 93.65 0.94 -22.10 | 86.62 1.05 -16.51 | 63.47 0.98 -9.27 | 45.69 1.08 0.00 | 39.85 1.17 0.00 | 34.07 1.37 0.00 | 39.97 1.75 0.00 | 40.89 1.88 0.00 | 46.28 2.04 0.00 | 60.22 2.09 0.00 | 72.87 1.86 0.00 | 52.62 1.32 0.00 | 52.51 1.49 0.00 | 51.20 1.27 0.00 | 52.89 1.40 0.00 | 44.98 1.04 0.00 | 43.08 0.83 0.00 |
| RANKINE___ 23646 | 65.10 -2.40 0.00 | 61.68 -2.85 0.00 | 52.81 -2.82 0.00 | 54.33 -2.84 0.00 | 50.79 -2.42 0.00 | 54.15 -2.91 0.00 | 75.89 -5.23 0.00 | 68.57 -3.14 -1.11 | 66.07 -3.29 -0.31 | 51.34 -2.35 -0.47 | 42.48 -2.14 0.00 | 36.45 -2.23 0.00 | 30.84 -1.86 0.00 | 36.27 -1.95 0.00 | 36.51 -2.49 0.00 | 41.12 -3.12 0.00 | 54.18 -3.95 0.00 | 67.02 -3.99 0.00 | 48.51 -2.79 0.00 | 47.60 -3.43 0.00 | 46.59 -3.34 0.00 | 47.93 -3.57 0.00 | 41.59 -2.36 0.00 | 40.58 -1.66 0.00 |
| RAVENSWOOD_GT2_1 24244 | 69.05 1.55 0.00 | 66.02 1.49 0.00 | 57.03 1.41 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.56 1.98 -22.97 | 88.28 2.06 -17.16 | 64.65 1.80 -9.64 | 46.37 1.76 0.00 | 40.39 1.71 0.00 | 34.54 1.84 0.00 | 40.59 2.37 0.00 | 41.56 2.55 0.00 | 47.08 2.84 0.00 | 61.22 3.09 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.34 2.32 0.00 | 52.00 2.07 0.00 | 53.70 2.20 0.00 | 45.65 1.71 0.00 | 43.65 1.40 0.00 |

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| RAVENSWOOD_GT2_2 24245 | 69.05 1.55 0.00 | 66.02 1.49 0.00 | 57.03 1.41 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.56 1.98 -22.97 | 88.28 2.06 -17.16 | 64.65 1.80 -9.64 | 46.37 1.76 0.00 | 40.39 1.71 0.00 | 34.54 1.84 0.00 | 40.59 2.37 0.00 | 41.56 2.55 0.00 | 47.08 2.84 0.00 | 61.22 3.09 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.34 2.32 0.00 | 52.00 2.07 0.00 | 53.70 2.20 0.00 | 45.65 1.71 0.00 | 43.65 1.40 0.00 |
| RAVENSWOOD_GT2_3 24246 | 69.06 1.56 0.00 | 66.06 1.53 0.00 | 57.07 1.44 0.00 | 58.40 1.23 0.00 | 54.38 1.17 0.00 | 58.45 1.39 0.00 | 83.40 2.28 0.00 | 95.60 2.03 -22.97 | 88.32 2.11 -17.16 | 64.68 1.83 -9.64 | 46.41 1.80 0.00 | 40.42 1.74 0.00 | 34.57 1.87 0.00 | 40.63 2.41 0.00 | 41.59 2.58 0.00 | 47.11 2.87 0.00 | 61.27 3.14 0.00 | 74.11 3.10 0.00 | 53.46 2.16 0.00 | 53.38 2.36 0.00 | 52.04 2.11 0.00 | 53.74 2.24 0.00 | 45.67 1.73 0.00 | 43.68 1.44 0.00 |
| RAVENSWOOD_GT2_4 24247 | 69.06 1.56 0.00 | 66.06 1.53 0.00 | 57.07 1.44 0.00 | 58.40 1.23 0.00 | 54.38 1.17 0.00 | 58.45 1.39 0.00 | 83.40 2.28 0.00 | 95.60 2.03 -22.97 | 88.32 2.11 -17.16 | 64.68 1.83 -9.64 | 46.41 1.80 0.00 | 40.42 1.74 0.00 | 34.57 1.87 0.00 | 40.63 2.41 0.00 | 41.59 2.58 0.00 | 47.11 2.87 0.00 | 61.27 3.14 0.00 | 74.11 3.10 0.00 | 53.46 2.16 0.00 | 53.38 2.36 0.00 | 52.04 2.11 0.00 | 53.74 2.24 0.00 | 45.67 1.73 0.00 | 43.68 1.44 0.00 |
| RAVENSWOOD_GT3_1 24248 | 69.05 1.55 0.00 | 66.03 1.50 0.00 | 57.03 1.41 0.00 | 58.37 1.20 0.00 | 54.37 1.16 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.57 2.00 -22.97 | 88.28 2.07 -17.16 | 64.66 1.81 -9.64 | 46.38 1.77 0.00 | 40.40 1.72 0.00 | 34.54 1.84 0.00 | 40.60 2.38 0.00 | 41.57 2.56 0.00 | 47.09 2.85 0.00 | 61.24 3.11 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.35 2.32 0.00 | 52.01 2.08 0.00 | 53.70 2.21 0.00 | 45.65 1.71 0.00 | 43.66 1.41 0.00 |
| RAVENSWOOD_GT3_2 24249 | 69.05 1.55 0.00 | 66.03 1.50 0.00 | 57.03 1.41 0.00 | 58.37 1.20 0.00 | 54.37 1.16 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.57 2.00 -22.97 | 88.28 2.07 -17.16 | 64.66 1.81 -9.64 | 46.38 1.77 0.00 | 40.40 1.72 0.00 | 34.54 1.84 0.00 | 40.60 2.38 0.00 | 41.57 2.56 0.00 | 47.09 2.85 0.00 | 61.24 3.11 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.35 2.32 0.00 | 52.01 2.08 0.00 | 53.70 2.21 0.00 | 45.65 1.71 0.00 | 43.66 1.41 0.00 |
| RAVENSWOOD_GT3_3 24250 | 69.05 1.55 0.00 | 66.03 1.50 0.00 | 57.04 1.41 0.00 | 58.37 1.20 0.00 | 54.37 1.16 0.00 | 58.43 1.37 0.00 | 83.37 2.25 0.00 | 95.57 2.00 -22.97 | 88.28 2.07 -17.16 | 64.67 1.81 -9.64 | 46.38 1.77 0.00 | 40.40 1.72 0.00 | 34.55 1.85 0.00 | 40.60 2.38 0.00 | 41.57 2.56 0.00 | 47.09 2.85 0.00 | 61.24 3.11 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.36 2.33 0.00 | 52.01 2.08 0.00 | 53.70 2.21 0.00 | 45.66 1.72 0.00 | 43.66 1.41 0.00 |
| RAVENSWOOD_GT3_4 24251 | 69.05 1.55 0.00 | 66.03 1.50 0.00 | 57.04 1.41 0.00 | 58.37 1.20 0.00 | 54.37 1.16 0.00 | 58.43 1.37 0.00 | 83.37 2.25 0.00 | 95.57 2.00 -22.97 | 88.28 2.07 -17.16 | 64.67 1.81 -9.64 | 46.38 1.77 0.00 | 40.40 1.72 0.00 | 34.55 1.85 0.00 | 40.60 2.38 0.00 | 41.57 2.56 0.00 | 47.09 2.85 0.00 | 61.24 3.11 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.36 2.33 0.00 | 52.01 2.08 0.00 | 53.70 2.21 0.00 | 45.66 1.72 0.00 | 43.66 1.41 0.00 |
| RAVENSWOOD_GT_1 23729 | 69.29 1.79 0.00 | 66.28 1.75 0.00 | 57.24 1.61 0.00 | 58.57 1.39 0.00 | 54.54 1.33 0.00 | 58.65 1.59 0.00 | 83.72 2.60 0.00 | 95.92 2.34 -22.97 | 88.58 2.37 -17.16 | 64.87 2.02 -9.64 | 46.61 1.99 0.00 | 40.60 1.92 0.00 | 34.73 2.03 0.00 | 40.80 2.58 0.00 | 41.77 2.76 0.00 | 47.31 3.08 0.00 | 61.50 3.37 0.00 | 74.30 3.29 0.00 | 53.63 2.33 0.00 | 53.55 2.53 0.00 | 52.22 2.29 0.00 | 53.93 2.43 0.00 | 45.84 1.90 0.00 | 43.82 1.58 0.00 |
| RAVENSWOOD_GT_10 24258 | 69.05 1.55 0.00 | 66.02 1.49 0.00 | 57.03 1.41 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.56 1.98 -22.97 | 88.28 2.06 -17.16 | 64.66 1.80 -9.64 | 46.37 1.76 0.00 | 40.39 1.71 0.00 | 34.54 1.84 0.00 | 40.59 2.37 0.00 | 41.56 2.55 0.00 | 47.08 2.84 0.00 | 61.23 3.10 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.34 2.32 0.00 | 52.00 2.07 0.00 | 53.70 2.20 0.00 | 45.65 1.71 0.00 | 43.65 1.41 0.00 |
| RAVENSWOOD_GT_11 24259 | 69.05 1.55 0.00 | 66.02 1.49 0.00 | 57.03 1.41 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.56 1.98 -22.97 | 88.28 2.06 -17.16 | 64.66 1.80 -9.64 | 46.37 1.76 0.00 | 40.39 1.71 0.00 | 34.54 1.84 0.00 | 40.59 2.37 0.00 | 41.56 2.55 0.00 | 47.08 2.84 0.00 | 61.23 3.10 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.34 2.32 0.00 | 52.00 2.07 0.00 | 53.70 2.20 0.00 | 45.65 1.71 0.00 | 43.65 1.41 0.00 |
| RAVENSWOOD_GT_4 24252 | 69.08 1.58 0.00 | 66.08 1.55 0.00 | 57.08 1.45 0.00 | 58.41 1.24 0.00 | 54.39 1.18 0.00 | 58.46 1.41 0.00 | 83.44 2.33 0.00 | 95.64 2.07 -22.97 | 88.35 2.14 -17.16 | 64.69 1.84 -9.64 | 46.43 1.81 0.00 | 40.44 1.76 0.00 | 34.59 1.89 0.00 | 40.64 2.42 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.28 3.14 0.00 | 74.10 3.09 0.00 | 53.48 2.18 0.00 | 53.40 2.37 0.00 | 52.05 2.12 0.00 | 53.75 2.26 0.00 | 45.69 1.75 0.00 | 43.68 1.44 0.00 |
| RAVENSWOOD_GT_5 24254 | 69.08 1.58 0.00 | 66.08 1.55 0.00 | 57.08 1.45 0.00 | 58.41 1.24 0.00 | 54.39 1.18 0.00 | 58.46 1.41 0.00 | 83.44 2.33 0.00 | 95.64 2.07 -22.97 | 88.35 2.14 -17.16 | 64.69 1.84 -9.64 | 46.43 1.81 0.00 | 40.44 1.76 0.00 | 34.59 1.89 0.00 | 40.64 2.42 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.28 3.14 0.00 | 74.10 3.09 0.00 | 53.48 2.18 0.00 | 53.40 2.37 0.00 | 52.05 2.12 0.00 | 53.75 2.26 0.00 | 45.69 1.75 0.00 | 43.68 1.44 0.00 |
| RAVENSWOOD_GT_6 24253 | 69.08 1.58 0.00 | 66.08 1.55 0.00 | 57.08 1.45 0.00 | 58.41 1.24 0.00 | 54.39 1.18 0.00 | 58.46 1.41 0.00 | 83.44 2.33 0.00 | 95.64 2.07 -22.97 | 88.35 2.14 -17.16 | 64.69 1.84 -9.64 | 46.43 1.81 0.00 | 40.44 1.76 0.00 | 34.59 1.89 0.00 | 40.64 2.42 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.28 3.14 0.00 | 74.10 3.09 0.00 | 53.48 2.18 0.00 | 53.40 2.37 0.00 | 52.05 2.12 0.00 | 53.75 2.26 0.00 | 45.69 1.75 0.00 | 43.68 1.44 0.00 |
| RAVENSWOOD_GT_7 24255 | 69.08 1.58 0.00 | 66.08 1.55 0.00 | 57.08 1.45 0.00 | 58.41 1.24 0.00 | 54.39 1.18 0.00 | 58.46 1.41 0.00 | 83.44 2.33 0.00 | 95.64 2.07 -22.97 | 88.35 2.14 -17.16 | 64.69 1.84 -9.64 | 46.43 1.81 0.00 | 40.44 1.76 0.00 | 34.59 1.89 0.00 | 40.64 2.42 0.00 | 41.61 2.61 0.00 | 47.14 2.90 0.00 | 61.28 3.14 0.00 | 74.10 3.09 0.00 | 53.48 2.18 0.00 | 53.40 2.37 0.00 | 52.05 2.12 0.00 | 53.75 2.26 0.00 | 45.69 1.75 0.00 | 43.68 1.44 0.00 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 69.05 1.55 0.00 | 66.02 1.49 0.00 | 57.03 1.41 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.56 1.98 -22.97 | 88.28 2.06 -17.16 | 64.66 1.80 -9.64 | 46.37 1.76 0.00 | 40.39 1.71 0.00 | 34.54 1.84 0.00 | 40.59 2.37 0.00 | 41.56 2.55 0.00 | 47.08 2.84 0.00 | 61.23 3.10 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.34 2.32 0.00 | 52.00 2.07 0.00 | 53.70 2.20 0.00 | 45.65 1.71 0.00 | 43.65 1.41 0.00 |

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| RAVENSWOOD_GT_9 24257 | 69.05 1.55 0.00 | 66.02 1.49 0.00 | 57.03 1.41 0.00 | 58.37 1.19 0.00 | 54.36 1.15 0.00 | 58.42 1.36 0.00 | 83.37 2.25 0.00 | 95.56 1.98 -22.97 | 88.28 2.06 -17.16 | 64.66 1.80 -9.64 | 46.37 1.76 0.00 | 40.39 1.71 0.00 | 34.54 1.84 0.00 | 40.59 2.37 0.00 | 41.56 2.55 0.00 | 47.08 2.84 0.00 | 61.23 3.10 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.34 2.32 0.00 | 52.00 2.07 0.00 | 53.70 2.20 0.00 | 45.65 1.71 0.00 | 43.65 1.41 0.00 |
| RAVENSWOOD___1 23533 | 69.20 1.70 0.00 | 66.17 1.64 0.00 | 57.14 1.52 0.00 | 58.48 1.30 0.00 | 54.46 1.25 0.00 | 58.56 1.50 0.00 | 83.59 2.48 0.00 | 95.80 2.22 -22.97 | 88.48 2.26 -17.16 | 64.81 1.95 -9.64 | 46.54 1.92 0.00 | 40.54 1.86 0.00 | 34.67 1.97 0.00 | 40.74 2.52 0.00 | 41.71 2.70 0.00 | 47.24 3.01 0.00 | 61.41 3.28 0.00 | 74.19 3.18 0.00 | 53.56 2.26 0.00 | 53.49 2.47 0.00 | 52.15 2.22 0.00 | 53.86 2.37 0.00 | 45.78 1.84 0.00 | 43.76 1.51 0.00 |
| RAVENSWOOD___2 23534 | 69.20 1.70 0.00 | 66.17 1.64 0.00 | 57.14 1.52 0.00 | 58.48 1.30 0.00 | 54.46 1.25 0.00 | 58.56 1.50 0.00 | 83.59 2.48 0.00 | 95.80 2.22 -22.97 | 88.48 2.26 -17.16 | 64.81 1.95 -9.64 | 46.54 1.92 0.00 | 40.54 1.86 0.00 | 34.67 1.97 0.00 | 40.74 2.52 0.00 | 41.71 2.70 0.00 | 47.24 3.01 0.00 | 61.41 3.28 0.00 | 74.19 3.18 0.00 | 53.56 2.26 0.00 | 53.49 2.47 0.00 | 52.15 2.22 0.00 | 53.86 2.37 0.00 | 45.78 1.84 0.00 | 43.76 1.51 0.00 |
| RAVENSWOOD___3 23535 | 69.04 1.54 0.00 | 66.03 1.49 0.00 | 57.04 1.41 0.00 | 58.38 1.20 0.00 | 54.36 1.15 0.00 | 58.42 1.36 0.00 | 83.35 2.24 0.00 | 95.57 2.00 -22.97 | 88.28 2.07 -17.16 | 64.67 1.81 -9.64 | 46.39 1.77 0.00 | 40.39 1.71 0.00 | 34.55 1.85 0.00 | 40.60 2.38 0.00 | 41.57 2.56 0.00 | 47.09 2.86 0.00 | 61.24 3.11 0.00 | 74.05 3.04 0.00 | 53.43 2.14 0.00 | 53.36 2.33 0.00 | 52.01 2.08 0.00 | 53.70 2.21 0.00 | 45.67 1.73 0.00 | 43.66 1.41 0.00 |
| RAVENSWOOD___4 23820 | 69.20 1.70 0.00 | 66.17 1.64 0.00 | 57.14 1.52 0.00 | 58.48 1.30 0.00 | 54.46 1.25 0.00 | 58.56 1.50 0.00 | 83.59 2.48 0.00 | 95.80 2.22 -22.97 | 88.48 2.26 -17.16 | 64.81 1.95 -9.64 | 46.54 1.92 0.00 | 40.54 1.86 0.00 | 34.67 1.97 0.00 | 40.74 2.52 0.00 | 41.71 2.70 0.00 | 47.24 3.01 0.00 | 61.41 3.28 0.00 | 74.19 3.18 0.00 | 53.56 2.26 0.00 | 53.49 2.47 0.00 | 52.15 2.22 0.00 | 53.86 2.37 0.00 | 45.78 1.84 0.00 | 43.76 1.51 0.00 |
| RCPI_TRUST___DRP 24196 | 69.00 1.50 0.00 | 65.99 1.46 0.00 | 57.01 1.39 0.00 | 58.35 1.18 0.00 | 54.36 1.15 0.00 | 58.41 1.35 0.00 | 83.33 2.22 0.00 | 95.54 1.97 -22.97 | 88.25 2.04 -17.16 | 64.65 1.80 -9.63 | 46.40 1.79 0.00 | 40.43 1.75 0.00 | 34.58 1.88 0.00 | 40.61 2.39 0.00 | 41.56 2.55 0.00 | 47.07 2.84 0.00 | 61.23 3.10 0.00 | 74.05 3.04 0.00 | 53.42 2.13 0.00 | 53.33 2.30 0.00 | 51.98 2.06 0.00 | 53.67 2.18 0.00 | 45.62 1.68 0.00 | 43.63 1.39 0.00 |
| RED___ROCHESTER 323720 | 59.37 -1.62 6.51 | 59.49 -1.95 3.09 | 53.74 -1.89 0.00 | 55.25 -1.93 0.00 | 50.68 -1.61 0.92 | 53.52 -1.79 1.75 | 73.96 -2.79 4.37 | 64.63 -2.14 3.84 | 65.46 -2.43 1.16 | 47.05 -2.20 3.97 | 42.58 -2.04 0.00 | 36.73 -1.95 0.00 | 30.99 -1.71 0.00 | 36.28 -1.94 0.00 | 36.82 -2.19 0.00 | 41.97 -2.27 0.00 | 55.77 -2.36 0.00 | 68.88 -1.99 0.14 | 49.84 -1.30 0.16 | 49.47 -1.56 0.00 | 48.33 -1.60 0.00 | 49.73 -1.77 0.00 | 42.64 -1.30 0.00 | 41.20 -1.05 0.00 |
| REGAN___SOLAR 323812 | 71.16 3.65 0.00 | 68.02 3.49 0.00 | 58.57 2.94 0.00 | 60.17 3.00 0.00 | 55.93 2.72 0.00 | 60.08 3.02 0.00 | 85.66 4.55 0.00 | 394.23 4.32 -319.30 | 311.42 3.77 -238.61 | 189.17 1.99 -133.95 | 45.59 0.97 0.00 | 38.77 0.09 0.00 | 32.32 -0.38 0.00 | 37.44 -0.78 0.00 | 38.28 -0.73 0.00 | 43.68 -0.56 0.00 | 59.04 0.91 0.00 | 74.36 3.35 0.00 | 54.29 2.99 0.00 | 53.98 2.95 0.00 | 52.73 2.80 0.00 | 54.25 2.76 0.00 | 46.19 2.25 0.00 | 44.38 2.14 0.00 |
| RENSSELAER___COGEN 23796 | 69.35 1.84 0.00 | 66.43 1.90 0.00 | 57.24 1.61 0.00 | 58.83 1.65 0.00 | 54.72 1.52 0.00 | 58.64 1.58 0.00 | 83.36 2.25 0.00 | 265.43 1.80 -193.02 | 215.26 1.97 -144.24 | 135.63 1.43 -80.97 | 45.68 1.06 0.00 | 39.59 0.91 0.00 | 33.48 0.78 0.00 | 39.11 0.89 0.00 | 40.05 1.04 0.00 | 45.44 1.20 0.00 | 59.69 1.56 0.00 | 72.45 1.44 0.00 | 52.34 1.05 0.00 | 52.23 1.20 0.00 | 51.04 1.12 0.00 | 52.77 1.28 0.00 | 44.93 0.99 0.00 | 43.15 0.91 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 76.54 9.04 0.00 | 72.90 8.36 0.00 | 62.53 6.91 0.00 | 64.70 7.52 0.00 | 59.96 6.75 0.00 | 64.25 7.19 0.00 | 91.23 10.11 0.00 | 411.20 10.17 -330.43 | 323.04 7.07 -246.92 | 196.66 4.82 -138.62 | 47.65 3.04 0.00 | 40.49 1.81 0.00 | 34.02 1.32 0.00 | 39.80 1.57 0.00 | 41.16 2.15 0.00 | 47.30 3.06 0.00 | 63.32 5.19 0.00 | 77.83 6.81 0.00 | 56.09 4.80 0.00 | 56.09 5.07 0.00 | 54.75 4.83 0.00 | 56.16 4.67 0.00 | 47.49 3.55 0.00 | 45.61 3.37 0.00 |
| REVERE_CPPR_DRP 24186 | 70.09 2.59 0.00 | 66.95 2.42 0.00 | 57.68 2.05 0.00 | 59.31 2.14 0.00 | 55.13 1.92 0.00 | 59.38 2.32 0.00 | 84.81 3.69 0.00 | 73.77 3.16 0.00 | 71.88 2.83 0.00 | 54.96 1.74 0.00 | 45.88 1.26 0.00 | 39.58 0.89 0.00 | 33.20 0.50 0.00 | 38.62 0.40 0.00 | 39.41 0.41 0.00 | 44.91 0.67 0.00 | 59.64 1.50 0.00 | 74.00 2.99 0.00 | 53.75 2.45 0.00 | 53.36 2.34 0.00 | 52.00 2.07 0.00 | 53.58 2.09 0.00 | 45.72 1.78 0.00 | 43.90 1.66 0.00 |
| REYNLDDPA_13_KV_LD 356490 | 68.61 1.11 0.00 | 65.61 1.08 0.00 | 56.58 0.95 0.00 | 58.10 0.93 0.00 | 54.12 0.91 0.00 | 58.01 0.95 0.00 | 82.34 1.22 0.00 | 71.60 0.99 0.00 | 69.83 0.78 0.00 | 54.05 0.83 0.00 | 45.53 0.91 0.00 | 39.43 0.75 0.00 | 33.30 0.60 0.00 | 38.97 0.75 0.00 | 39.67 0.66 0.00 | 45.00 0.77 0.00 | 59.04 0.91 0.00 | 72.07 1.06 0.00 | 52.04 0.74 0.00 | 51.53 0.51 0.00 | 50.65 0.73 0.00 | 52.04 0.55 0.00 | 44.64 0.70 0.00 | 43.18 0.94 0.00 |
| REYNOLDS_115KV_TB3 80639 | 69.29 1.79 0.00 | 66.41 1.88 0.00 | 57.20 1.57 0.00 | 58.80 1.62 0.00 | 54.70 1.49 0.00 | 58.59 1.53 0.00 | 83.25 2.14 0.00 | 288.75 1.68 -216.47 | 232.70 1.89 -161.76 | 145.39 1.35 -90.81 | 45.59 0.98 0.00 | 39.52 0.84 0.00 | 33.43 0.73 0.00 | 39.05 0.83 0.00 | 40.00 0.99 0.00 | 45.37 1.14 0.00 | 59.61 1.48 0.00 | 72.24 1.23 0.00 | 52.18 0.88 0.00 | 52.06 1.04 0.00 | 50.89 0.96 0.00 | 52.66 1.17 0.00 | 44.82 0.88 0.00 | 43.06 0.82 0.00 |
| RIVERBAY___ 323610 | 71.13 3.63 0.00 | 68.13 3.60 0.00 | 58.86 3.24 0.00 | 60.29 3.12 0.00 | 56.14 2.93 0.00 | 60.43 3.37 0.00 | 86.27 5.16 0.00 | 98.07 4.50 -22.97 | 90.59 4.38 -17.16 | 66.41 3.56 -9.64 | 47.78 3.17 0.00 | 41.62 2.94 0.00 | 35.60 2.89 0.00 | 41.75 3.53 0.00 | 42.76 3.76 0.00 | 48.46 4.22 0.00 | 63.02 4.89 0.00 | 76.03 5.02 0.00 | 54.98 3.68 0.00 | 54.92 3.90 0.00 | 53.45 3.52 0.00 | 55.31 3.82 0.00 | 47.01 3.07 0.00 | 44.95 2.71 0.00 |
| RIVERSDE_115KV_TB3 55908 | 69.44 1.94 0.00 | 66.53 2.00 0.00 | 57.31 1.68 0.00 | 58.91 1.73 0.00 | 54.79 1.58 0.00 | 58.72 1.66 0.00 | 83.46 2.35 0.00 | 284.79 1.88 -212.30 | 229.75 2.06 -158.64 | 143.78 1.49 -89.06 | 45.73 1.11 0.00 | 39.64 0.95 0.00 | 33.51 0.81 0.00 | 39.14 0.92 0.00 | 40.09 1.08 0.00 | 45.48 1.25 0.00 | 59.77 1.64 0.00 | 72.49 1.48 0.00 | 52.38 1.08 0.00 | 52.24 1.21 0.00 | 51.05 1.13 0.00 | 52.81 1.32 0.00 | 44.95 1.00 0.00 | 43.17 0.93 0.00 |

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|---------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ROARING__BROOK_WT_PWR 323790 | 67.32 -0.17 0.00 | 64.47 -0.06 0.00 | 55.57 -0.05 0.00 | 57.12 -0.06 0.00 | 53.14 -0.07 0.00 | 56.99 -0.06 0.00 | 81.11 0.00 0.00 | 70.70 0.09 0.00 | 69.18 0.13 0.00 | 53.27 0.05 0.00 | 44.64 0.02 0.00 | 38.71 0.02 0.00 | 32.73 0.03 0.00 | 38.25 0.03 0.00 | 39.05 0.04 0.00 | 44.22 -0.02 0.00 | 58.07 -0.06 0.00 | 70.90 -0.11 0.00 | 50.83 -0.47 0.00 | 50.49 -0.54 0.00 | 49.02 -0.91 0.00 | 50.60 -0.89 0.00 | 43.62 -0.32 0.00 | 42.11 -0.13 0.00 |
| ROCHESRG_115KV_T4 355643 | 65.09 -2.41 0.00 | 61.87 -2.66 0.00 | 53.16 -2.47 0.00 | 54.65 -2.52 0.00 | 51.02 -2.19 0.00 | 54.61 -2.45 0.00 | 77.27 -3.84 0.00 | 67.54 -3.07 0.00 | 65.82 -3.23 0.00 | 50.54 -2.68 0.00 | 42.23 -2.38 0.00 | 36.43 -2.25 0.00 | 30.75 -1.95 0.00 | 36.01 -2.21 0.00 | 36.51 -2.50 0.00 | 41.54 -2.70 0.00 | 55.06 -3.07 0.00 | 68.05 -2.96 0.00 | 49.28 -2.02 0.00 | 48.75 -2.28 0.00 | 47.65 -2.28 0.00 | 49.03 -2.46 0.00 | 42.11 -1.84 0.00 | 40.71 -1.54 0.00 |
| ROCHESTER_9_IC 23652 | 65.57 -1.93 0.00 | 62.31 -2.22 0.00 | 53.52 -2.11 0.00 | 55.02 -2.15 0.00 | 51.38 -1.83 0.00 | 55.01 -2.05 0.00 | 77.92 -3.19 0.00 | 68.11 -2.50 0.00 | 66.35 -2.70 0.00 | 50.87 -2.35 0.00 | 42.46 -2.15 0.00 | 36.63 -2.06 0.00 | 30.91 -1.79 0.00 | 36.19 -2.03 0.00 | 36.72 -2.29 0.00 | 41.80 -2.44 0.00 | 55.50 -2.63 0.00 | 68.64 -2.36 0.00 | 49.73 -1.57 0.00 | 49.19 -1.84 0.00 | 48.06 -1.86 0.00 | 49.45 -2.04 0.00 | 42.43 -1.51 0.00 | 41.01 -1.23 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 69.20 1.70 0.00 | 66.18 1.65 0.00 | 57.15 1.52 0.00 | 58.53 1.36 0.00 | 54.51 1.30 0.00 | 58.55 1.49 0.00 | 83.49 2.37 0.00 | 95.68 2.11 -22.97 | 88.36 2.14 -17.16 | 64.73 1.88 -9.64 | 46.45 1.84 0.00 | 40.47 1.79 0.00 | 34.59 1.89 0.00 | 40.60 2.38 0.00 | 41.55 2.54 0.00 | 47.03 2.80 0.00 | 61.23 3.10 0.00 | 74.10 3.09 0.00 | 53.47 2.17 0.00 | 53.39 2.36 0.00 | 52.06 2.13 0.00 | 53.76 2.27 0.00 | 45.70 1.76 0.00 | 43.71 1.47 0.00 |
| ROME____115KV_TB2 80656 | 70.09 2.59 0.00 | 66.95 2.42 0.00 | 57.68 2.05 0.00 | 59.31 2.14 0.00 | 55.13 1.92 0.00 | 59.38 2.32 0.00 | 84.81 3.69 0.00 | 73.77 3.16 0.00 | 71.88 2.83 0.00 | 54.96 1.74 0.00 | 45.88 1.26 0.00 | 39.58 0.89 0.00 | 33.20 0.50 0.00 | 38.62 0.40 0.00 | 39.41 0.41 0.00 | 44.91 0.67 0.00 | 59.64 1.50 0.00 | 74.00 2.99 0.00 | 53.75 2.45 0.00 | 53.36 2.34 0.00 | 52.00 2.07 0.00 | 53.58 2.09 0.00 | 45.72 1.78 0.00 | 43.90 1.66 0.00 |
| ROSETON__1 23587 | 68.39 0.88 0.00 | 65.44 0.90 0.00 | 56.51 0.88 0.00 | 57.97 0.79 0.00 | 53.94 0.73 0.00 | 57.89 0.83 0.00 | 82.45 1.34 0.00 | 94.07 1.16 -22.30 | 86.98 1.26 -16.67 | 63.68 1.10 -9.36 | 45.66 1.05 0.00 | 39.74 1.06 0.00 | 33.91 1.21 0.00 | 39.75 1.53 0.00 | 40.69 1.68 0.00 | 46.07 1.83 0.00 | 60.06 1.93 0.00 | 72.80 1.79 0.00 | 52.58 1.28 0.00 | 52.48 1.46 0.00 | 51.19 1.27 0.00 | 52.86 1.37 0.00 | 44.97 1.03 0.00 | 43.05 0.81 0.00 |
| ROSETON__2 23588 | 68.39 0.88 0.00 | 65.44 0.90 0.00 | 56.51 0.88 0.00 | 57.97 0.79 0.00 | 53.94 0.73 0.00 | 57.89 0.83 0.00 | 82.45 1.34 0.00 | 94.07 1.16 -22.30 | 86.98 1.26 -16.67 | 63.68 1.10 -9.36 | 45.66 1.05 0.00 | 39.74 1.06 0.00 | 33.91 1.21 0.00 | 39.75 1.53 0.00 | 40.69 1.68 0.00 | 46.07 1.83 0.00 | 60.06 1.93 0.00 | 72.80 1.79 0.00 | 52.58 1.28 0.00 | 52.48 1.46 0.00 | 51.19 1.27 0.00 | 52.86 1.37 0.00 | 44.97 1.03 0.00 | 43.05 0.81 0.00 |
| ROTTRDAM_115KV_TB3 80664 | 68.86 1.36 0.00 | 65.87 1.34 0.00 | 56.75 1.12 0.00 | 58.42 1.24 0.00 | 54.43 1.22 0.00 | 58.32 1.26 0.00 | 82.99 1.88 0.00 | 423.01 1.95 -350.45 | 332.85 1.92 -261.88 | 201.55 1.31 -147.02 | 45.54 0.92 0.00 | 39.39 0.71 0.00 | 33.22 0.52 0.00 | 38.78 0.56 0.00 | 39.67 0.66 0.00 | 45.07 0.84 0.00 | 59.43 1.30 0.00 | 72.64 1.63 0.00 | 52.50 1.21 0.00 | 52.32 1.29 0.00 | 51.14 1.21 0.00 | 52.79 1.29 0.00 | 44.95 1.01 0.00 | 43.15 0.91 0.00 |
| RUSSELL__1 23602 | 65.87 -1.63 0.00 | 62.58 -1.95 0.00 | 53.75 -1.88 0.00 | 55.25 -1.92 0.00 | 51.59 -1.62 0.00 | 55.26 -1.80 0.00 | 78.32 -2.79 0.00 | 68.46 -2.15 0.00 | 66.62 -2.43 0.00 | 51.03 -2.19 0.00 | 42.58 -2.03 0.00 | 36.71 -1.97 0.00 | 30.99 -1.72 0.00 | 36.28 -1.94 0.00 | 36.82 -2.19 0.00 | 41.98 -2.26 0.00 | 55.77 -2.36 0.00 | 69.02 -1.99 0.00 | 50.00 -1.30 0.00 | 49.46 -1.56 0.00 | 48.33 -1.60 0.00 | 49.73 -1.77 0.00 | 42.65 -1.29 0.00 | 41.20 -1.04 0.00 |
| RUSSELL__2 23532 | 65.87 -1.63 0.00 | 62.58 -1.95 0.00 | 53.75 -1.88 0.00 | 55.25 -1.92 0.00 | 51.59 -1.62 0.00 | 55.26 -1.80 0.00 | 78.32 -2.79 0.00 | 68.46 -2.15 0.00 | 66.62 -2.43 0.00 | 51.03 -2.19 0.00 | 42.58 -2.03 0.00 | 36.71 -1.97 0.00 | 30.99 -1.72 0.00 | 36.28 -1.94 0.00 | 36.82 -2.19 0.00 | 41.98 -2.26 0.00 | 55.77 -2.36 0.00 | 69.02 -1.99 0.00 | 50.00 -1.30 0.00 | 49.46 -1.56 0.00 | 48.33 -1.60 0.00 | 49.73 -1.77 0.00 | 42.65 -1.29 0.00 | 41.20 -1.04 0.00 |
| RUSSELL__3 23549 | 65.87 -1.63 0.00 | 62.58 -1.95 0.00 | 53.75 -1.88 0.00 | 55.25 -1.92 0.00 | 51.59 -1.62 0.00 | 55.26 -1.80 0.00 | 78.32 -2.79 0.00 | 68.46 -2.15 0.00 | 66.62 -2.43 0.00 | 51.03 -2.19 0.00 | 42.58 -2.03 0.00 | 36.71 -1.97 0.00 | 30.99 -1.72 0.00 | 36.28 -1.94 0.00 | 36.82 -2.19 0.00 | 41.98 -2.26 0.00 | 55.77 -2.36 0.00 | 69.02 -1.99 0.00 | 50.00 -1.30 0.00 | 49.46 -1.56 0.00 | 48.33 -1.60 0.00 | 49.73 -1.77 0.00 | 42.65 -1.29 0.00 | 41.20 -1.04 0.00 |
| RUSSELL__4 23556 | 65.87 -1.63 0.00 | 62.58 -1.95 0.00 | 53.75 -1.88 0.00 | 55.25 -1.92 0.00 | 51.59 -1.62 0.00 | 55.26 -1.80 0.00 | 78.32 -2.79 0.00 | 68.46 -2.15 0.00 | 66.62 -2.43 0.00 | 51.03 -2.19 0.00 | 42.58 -2.03 0.00 | 36.71 -1.97 0.00 | 30.99 -1.72 0.00 | 36.28 -1.94 0.00 | 36.82 -2.19 0.00 | 41.98 -2.26 0.00 | 55.77 -2.36 0.00 | 69.02 -1.99 0.00 | 50.00 -1.30 0.00 | 49.46 -1.56 0.00 | 48.33 -1.60 0.00 | 49.73 -1.77 0.00 | 42.65 -1.29 0.00 | 41.20 -1.04 0.00 |
| RUSSELL__STATION 23914 | 65.87 -1.63 0.00 | 62.58 -1.95 0.00 | 53.75 -1.88 0.00 | 55.25 -1.92 0.00 | 51.59 -1.62 0.00 | 55.26 -1.80 0.00 | 78.32 -2.79 0.00 | 68.46 -2.15 0.00 | 66.62 -2.43 0.00 | 51.03 -2.19 0.00 | 42.58 -2.03 0.00 | 36.71 -1.97 0.00 | 30.99 -1.72 0.00 | 36.28 -1.94 0.00 | 36.82 -2.19 0.00 | 41.98 -2.26 0.00 | 55.77 -2.36 0.00 | 69.02 -1.99 0.00 | 50.00 -1.30 0.00 | 49.46 -1.56 0.00 | 48.33 -1.60 0.00 | 49.73 -1.77 0.00 | 42.65 -1.29 0.00 | 41.20 -1.04 0.00 |
| S SALMON__HYD 24043 | 67.46 -0.04 0.00 | 64.63 0.10 0.00 | 55.65 0.02 0.00 | 57.13 -0.04 0.00 | 53.17 -0.04 0.00 | 57.27 0.21 0.00 | 82.02 0.91 0.00 | 71.27 0.66 0.00 | 69.04 -0.02 0.00 | 52.42 -0.80 0.00 | 43.52 -1.09 0.00 | 37.57 -1.11 0.00 | 31.46 -1.24 0.00 | 36.65 -1.57 0.00 | 37.39 -1.62 0.00 | 42.65 -1.59 0.00 | 56.80 -1.33 0.00 | 71.23 0.22 0.00 | 52.02 0.73 0.00 | 51.58 0.55 0.00 | 49.93 0.00 0.00 | 51.50 0.00 0.00 | 44.06 0.11 0.00 | 42.43 0.18 0.00 |
| S.PERRY__115KV_TB1 80734 | 67.43 -0.06 0.00 | 64.31 -0.22 0.00 | 55.24 -0.39 0.00 | 56.97 -0.21 0.00 | 53.25 0.04 0.00 | 57.11 0.05 0.00 | 80.99 -0.12 0.00 | 71.15 0.53 -0.02 | 69.03 -0.02 0.00 | 52.82 -0.40 0.00 | 43.95 -0.66 0.00 | 37.42 -1.26 0.00 | 31.46 -1.24 0.00 | 36.79 -1.43 0.00 | 37.23 -1.78 0.00 | 42.25 -1.99 0.00 | 56.29 -1.85 0.00 | 70.79 -0.22 0.00 | 50.95 -0.35 0.00 | 50.31 -0.72 0.00 | 49.11 -0.81 0.00 | 50.80 -0.70 0.00 | 43.91 -0.03 0.00 | 42.55 0.31 0.00 |

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| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 63.99 -3.51 0.00 | 60.57 -3.96 0.00 | 51.89 -3.74 0.00 | 53.34 -3.84 0.00 | 49.88 -3.33 0.00 | 53.07 -3.99 0.00 | 74.23 -6.89 0.00 | 66.45 -4.90 -0.74 | 64.30 -4.96 -0.21 | 49.91 -3.63 -0.31 | 41.45 -3.17 0.00 | 35.64 -3.04 0.00 | 30.15 -2.55 0.00 | 35.45 -2.77 0.00 | 35.69 -3.32 0.00 | 40.17 -4.07 0.00 | 52.92 -5.21 0.00 | 65.45 -5.56 0.00 | 47.38 -3.92 0.00 | 46.57 -4.45 0.00 | 45.60 -4.32 0.00 | 46.92 -4.58 0.00 | 40.75 -3.20 0.00 | 39.84 -2.40 0.00 |
| SAWYER_23_KV_LOAD 55526 | 63.99 -3.51 0.00 | 60.57 -3.96 0.00 | 51.89 -3.74 0.00 | 53.34 -3.84 0.00 | 49.88 -3.33 0.00 | 53.07 -3.99 0.00 | 74.23 -6.89 0.00 | 66.45 -4.90 -0.74 | 64.30 -4.96 -0.21 | 49.91 -3.63 -0.31 | 41.45 -3.17 0.00 | 35.64 -3.04 0.00 | 30.15 -2.55 0.00 | 35.45 -2.77 0.00 | 35.69 -3.32 0.00 | 40.17 -4.07 0.00 | 52.92 -5.21 0.00 | 65.45 -5.56 0.00 | 47.38 -3.92 0.00 | 46.57 -4.45 0.00 | 45.60 -4.32 0.00 | 46.92 -4.58 0.00 | 40.75 -3.20 0.00 | 39.84 -2.40 0.00 |
| SELKIRK_I 23801 | 69.21 1.71 0.00 | 66.27 1.74 0.00 | 57.11 1.48 0.00 | 58.75 1.57 0.00 | 54.64 1.43 0.00 | 58.59 1.53 0.00 | 83.28 2.17 0.00 | 202.21 1.69 -129.92 | 167.86 1.73 -97.09 | 108.94 1.21 -54.50 | 45.50 0.89 0.00 | 39.39 0.71 0.00 | 33.29 0.59 0.00 | 38.87 0.65 0.00 | 39.78 0.77 0.00 | 45.15 0.92 0.00 | 59.46 1.33 0.00 | 72.43 1.42 0.00 | 52.34 1.04 0.00 | 52.17 1.15 0.00 | 51.01 1.09 0.00 | 52.71 1.21 0.00 | 44.92 0.97 0.00 | 43.14 0.90 0.00 |
| SELKIRK_II 23799 | 68.94 1.44 0.00 | 66.02 1.49 0.00 | 56.90 1.28 0.00 | 58.50 1.32 0.00 | 54.42 1.21 0.00 | 58.32 1.26 0.00 | 82.94 1.83 0.00 | 213.81 1.42 -141.79 | 176.56 1.56 -105.95 | 113.85 1.15 -59.48 | 45.48 0.87 0.00 | 39.44 0.76 0.00 | 33.39 0.68 0.00 | 39.02 0.80 0.00 | 39.93 0.92 0.00 | 45.28 1.04 0.00 | 59.42 1.29 0.00 | 72.21 1.20 0.00 | 52.18 0.88 0.00 | 52.03 1.00 0.00 | 50.85 0.92 0.00 | 52.55 1.06 0.00 | 44.76 0.82 0.00 | 42.98 0.74 0.00 |
| SENECA_OSWGO_HYD 24041 | 64.89 -2.61 0.00 | 61.98 -2.55 0.00 | 53.39 -2.24 0.00 | 54.85 -2.32 0.00 | 51.11 -2.10 0.00 | 54.87 -2.19 0.00 | 78.03 -3.08 0.00 | 67.69 -2.92 0.00 | 66.18 -2.87 0.00 | 50.84 -2.38 0.00 | 42.55 -2.06 0.00 | 36.85 -1.83 0.00 | 31.09 -1.61 0.00 | 36.25 -1.97 0.00 | 36.96 -2.06 0.00 | 42.13 -2.11 0.00 | 55.70 -2.44 0.00 | 68.44 -2.57 0.00 | 49.57 -1.72 0.00 | 49.24 -1.78 0.00 | 48.11 -1.81 0.00 | 49.59 -1.91 0.00 | 42.31 -1.64 0.00 | 40.66 -1.58 0.00 |
| SENECA_115KV_TB3 355854 | 47.75 -2.29 17.47 | 53.50 -2.75 8.29 | 52.91 -2.72 0.00 | 54.41 -2.76 0.00 | 48.42 -2.33 2.46 | 49.59 -2.78 4.69 | 64.49 -5.05 11.57 | 60.09 -2.99 7.53 | 63.59 -3.15 2.30 | 42.44 -2.28 8.50 | 42.53 -2.09 0.00 | 36.55 -2.13 0.00 | 30.90 -1.80 0.00 | 36.33 -1.89 0.00 | 36.57 -2.44 0.00 | 41.18 -3.05 0.00 | 54.25 -3.88 0.00 | 66.83 -3.85 0.33 | 48.23 -2.71 0.36 | 47.69 -3.34 0.00 | 46.66 -3.26 0.00 | 48.01 -3.48 0.00 | 41.63 -2.32 0.00 | 40.65 -1.60 0.00 |
| SENECA_ENERGY 23797 | 65.93 -1.57 0.00 | 62.94 -1.59 0.00 | 54.19 -1.44 0.00 | 55.76 -1.42 0.00 | 51.93 -1.28 0.00 | 55.79 -1.27 0.00 | 79.14 -1.97 0.00 | 68.87 -1.74 0.00 | 67.18 -1.87 0.00 | 51.63 -1.59 0.00 | 43.31 -1.30 0.00 | 37.47 -1.21 0.00 | 31.61 -1.09 0.00 | 36.87 -1.35 0.00 | 37.40 -1.61 0.00 | 42.53 -1.71 0.00 | 56.17 -1.96 0.00 | 69.20 -1.81 0.00 | 50.44 -0.86 0.00 | 50.03 -0.99 0.00 | 48.83 -1.10 0.00 | 50.31 -1.19 0.00 | 43.12 -0.82 0.00 | 41.61 -0.63 0.00 |
| SHOEMAKER_GT 23640 | 68.30 0.80 0.00 | 65.35 0.82 0.00 | 56.41 0.78 0.00 | 57.88 0.70 0.00 | 53.86 0.65 0.00 | 57.81 0.75 0.00 | 82.35 1.24 0.00 | 92.79 1.10 -21.08 | 85.98 1.18 -15.75 | 63.06 1.00 -8.84 | 45.53 0.92 0.00 | 39.62 0.94 0.00 | 33.76 1.06 0.00 | 39.51 1.29 0.00 | 40.37 1.36 0.00 | 45.72 1.48 0.00 | 59.73 1.60 0.00 | 72.65 1.65 0.00 | 52.56 1.26 0.00 | 52.43 1.40 0.00 | 51.14 1.21 0.00 | 52.80 1.31 0.00 | 44.92 0.97 0.00 | 43.03 0.78 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 68.24 0.74 0.00 | 65.28 0.75 0.00 | 56.36 0.73 0.00 | 57.82 0.64 0.00 | 53.81 0.60 0.00 | 57.75 0.70 0.00 | 82.27 1.16 0.00 | 92.57 1.02 -20.94 | 85.81 1.11 -15.65 | 62.95 0.95 -8.78 | 45.51 0.90 0.00 | 39.63 0.94 0.00 | 33.77 1.07 0.00 | 39.53 1.31 0.00 | 40.41 1.40 0.00 | 45.76 1.52 0.00 | 59.75 1.62 0.00 | 72.64 1.63 0.00 | 52.51 1.22 0.00 | 52.38 1.35 0.00 | 51.09 1.17 0.00 | 52.77 1.27 0.00 | 44.88 0.94 0.00 | 43.00 0.76 0.00 |
| SHOREHAM_IC_1 23715 | 70.14 2.64 0.00 | 66.27 1.74 0.00 | 57.50 1.87 0.00 | 58.85 1.68 0.00 | 55.36 2.15 0.00 | 59.56 2.50 0.00 | 84.70 3.59 0.00 | 95.91 2.33 -22.97 | 87.24 1.03 -17.16 | 64.79 1.94 -9.64 | 46.86 2.25 0.00 | 40.86 2.19 0.00 | 35.10 2.39 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.58 3.34 0.00 | 62.47 4.34 0.00 | 75.38 4.37 0.00 | 53.91 2.62 0.00 | 54.54 3.51 0.00 | 53.49 3.55 -0.01 | 56.93 3.81 -1.63 | 47.02 3.07 0.00 | 44.75 2.51 0.00 |
| SHOREHAM_IC_2 23716 | 70.14 2.64 0.00 | 66.27 1.74 0.00 | 57.50 1.87 0.00 | 58.85 1.68 0.00 | 55.36 2.15 0.00 | 59.56 2.50 0.00 | 84.70 3.59 0.00 | 95.91 2.33 -22.97 | 87.24 1.03 -17.16 | 64.79 1.94 -9.64 | 46.86 2.25 0.00 | 40.86 2.19 0.00 | 35.10 2.39 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.58 3.34 0.00 | 62.47 4.34 0.00 | 75.38 4.37 0.00 | 53.91 2.62 0.00 | 54.54 3.51 0.00 | 53.49 3.55 -0.01 | 56.93 3.81 -1.63 | 47.02 3.07 0.00 | 44.75 2.51 0.00 |
| SISSONVILLE____ 23735 | 69.86 2.36 0.00 | 66.86 2.33 0.00 | 57.67 2.04 0.00 | 59.21 2.04 0.00 | 55.12 1.92 0.00 | 59.13 2.07 0.00 | 84.15 3.03 0.00 | 73.12 2.51 0.00 | 70.75 1.70 0.00 | 54.38 1.17 0.00 | 45.63 1.01 0.00 | 39.52 0.84 0.00 | 33.17 0.47 0.00 | 38.78 0.56 0.00 | 39.47 0.46 0.00 | 44.82 0.59 0.00 | 58.97 0.84 0.00 | 72.42 1.41 0.00 | 52.34 1.05 0.00 | 51.82 0.80 0.00 | 50.79 0.86 0.00 | 52.23 0.74 0.00 | 44.89 0.94 0.00 | 43.53 1.29 0.00 |
| SITHE_IND_GS1 24169 | 64.71 -2.79 0.00 | 61.81 -2.72 0.00 | 53.25 -2.37 0.00 | 54.76 -2.41 0.00 | 50.97 -2.24 0.00 | 54.68 -2.37 0.00 | 77.71 -3.40 0.00 | 67.46 -3.15 0.00 | 65.95 -3.09 0.00 | 50.71 -2.51 0.00 | 42.48 -2.13 0.00 | 36.81 -1.88 0.00 | 31.10 -1.60 0.00 | 36.31 -1.91 0.00 | 37.01 -1.99 0.00 | 42.14 -2.09 0.00 | 55.59 -2.54 0.00 | 68.12 -2.89 0.00 | 49.28 -2.02 0.00 | 48.96 -2.06 0.00 | 47.86 -2.07 0.00 | 49.35 -2.15 0.00 | 42.13 -1.81 0.00 | 40.52 -1.72 0.00 |
| SITHE_IND_GS2 24170 | 64.71 -2.79 0.00 | 61.81 -2.72 0.00 | 53.25 -2.37 0.00 | 54.76 -2.41 0.00 | 50.97 -2.24 0.00 | 54.68 -2.37 0.00 | 77.71 -3.40 0.00 | 67.46 -3.15 0.00 | 65.95 -3.09 0.00 | 50.71 -2.51 0.00 | 42.48 -2.13 0.00 | 36.81 -1.88 0.00 | 31.10 -1.60 0.00 | 36.31 -1.91 0.00 | 37.01 -1.99 0.00 | 42.14 -2.09 0.00 | 55.59 -2.54 0.00 | 68.12 -2.89 0.00 | 49.28 -2.02 0.00 | 48.96 -2.06 0.00 | 47.86 -2.07 0.00 | 49.35 -2.15 0.00 | 42.13 -1.81 0.00 | 40.52 -1.72 0.00 |
| SITHE_IND_GS3 24171 | 64.71 -2.79 0.00 | 61.81 -2.72 0.00 | 53.25 -2.37 0.00 | 54.76 -2.41 0.00 | 50.97 -2.24 0.00 | 54.68 -2.37 0.00 | 77.71 -3.40 0.00 | 67.46 -3.15 0.00 | 65.95 -3.09 0.00 | 50.71 -2.51 0.00 | 42.48 -2.13 0.00 | 36.81 -1.88 0.00 | 31.10 -1.60 0.00 | 36.31 -1.91 0.00 | 37.01 -1.99 0.00 | 42.14 -2.09 0.00 | 55.59 -2.54 0.00 | 68.12 -2.89 0.00 | 49.28 -2.02 0.00 | 48.96 -2.06 0.00 | 47.86 -2.07 0.00 | 49.35 -2.15 0.00 | 42.13 -1.81 0.00 | 40.52 -1.72 0.00 |

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|------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SITHE_IND_GS4 24172 | 64.71 -2.79 0.00 | 61.81 -2.72 0.00 | 53.25 -2.37 0.00 | 54.76 -2.41 0.00 | 50.97 -2.24 0.00 | 54.68 -2.37 0.00 | 77.71 -3.40 0.00 | 67.46 -3.15 0.00 | 65.95 -3.09 0.00 | 50.71 -2.51 0.00 | 42.48 -2.13 0.00 | 36.81 -1.88 0.00 | 31.10 -1.60 0.00 | 36.31 -1.91 0.00 | 37.01 -1.99 0.00 | 42.14 -2.09 0.00 | 55.59 -2.54 0.00 | 68.12 -2.89 0.00 | 49.28 -2.02 0.00 | 48.96 -2.06 0.00 | 47.86 -2.07 0.00 | 49.35 -2.15 0.00 | 42.13 -1.81 0.00 | 40.52 -1.72 0.00 |
| SITHE__BATAVIA 24024 | 54.48 -1.81 11.21 | 56.83 -2.39 5.32 | 53.43 -2.20 0.00 | 54.93 -2.24 0.00 | 49.65 -1.99 1.58 | 51.55 -2.50 3.01 | 69.48 -4.14 7.48 | 61.63 -2.60 6.38 | 64.98 -2.25 1.82 | 44.62 -2.46 6.13 | 41.89 -2.73 0.00 | 35.96 -2.72 0.00 | 30.28 -2.42 0.00 | 35.46 -2.76 0.00 | 35.83 -3.18 0.00 | 40.56 -3.67 0.00 | 54.20 -3.93 0.00 | 67.91 -2.87 0.23 | 49.61 -1.44 0.25 | 49.21 -1.82 0.00 | 48.11 -1.82 0.00 | 49.43 -2.07 0.00 | 42.62 -1.32 0.00 | 41.43 -0.81 0.00 |
| SITHE__INDEPEND 23800 | 64.71 -2.78 0.00 | 61.81 -2.72 0.00 | 53.25 -2.37 0.00 | 54.76 -2.42 0.00 | 50.96 -2.24 0.00 | 54.68 -2.38 0.00 | 77.71 -3.41 0.00 | 67.45 -3.16 0.00 | 65.95 -3.09 0.00 | 50.72 -2.50 0.00 | 42.48 -2.13 0.00 | 36.80 -1.89 0.00 | 31.10 -1.61 0.00 | 36.31 -1.91 0.00 | 37.01 -2.00 0.00 | 42.14 -2.09 0.00 | 55.59 -2.54 0.00 | 68.13 -2.89 0.00 | 49.28 -2.02 0.00 | 48.96 -2.06 0.00 | 47.86 -2.06 0.00 | 49.35 -2.14 0.00 | 42.14 -1.80 0.00 | 40.53 -1.72 0.00 |
| SITHE__MASSENA 23902 | 69.36 1.86 0.00 | 66.33 1.80 0.00 | 57.19 1.56 0.00 | 58.73 1.56 0.00 | 54.70 1.49 0.00 | 58.62 1.57 0.00 | 83.27 2.16 0.00 | 72.39 1.78 0.00 | 70.43 1.38 0.00 | 54.37 1.15 0.00 | 45.67 1.05 0.00 | 39.56 0.88 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.64 0.63 0.00 | 44.98 0.74 0.00 | 59.21 1.08 0.00 | 72.59 1.58 0.00 | 52.43 1.13 0.00 | 51.98 0.95 0.00 | 51.04 1.11 0.00 | 52.49 1.00 0.00 | 44.94 1.00 0.00 | 43.34 1.10 0.00 |
| SITHE__OGDNSBRG 24021 | 70.77 3.27 0.00 | 67.76 3.23 0.00 | 58.45 2.82 0.00 | 59.98 2.81 0.00 | 55.88 2.67 0.00 | 59.98 2.92 0.00 | 85.34 4.23 0.00 | 74.06 3.45 0.00 | 71.07 2.02 0.00 | 54.63 1.41 0.00 | 45.86 1.25 0.00 | 39.74 1.06 0.00 | 33.39 0.69 0.00 | 39.07 0.85 0.00 | 39.75 0.74 0.00 | 45.12 0.88 0.00 | 59.44 1.30 0.00 | 73.44 2.44 0.00 | 53.38 2.08 0.00 | 52.87 1.84 0.00 | 51.89 1.97 0.00 | 53.32 1.82 0.00 | 45.70 1.75 0.00 | 44.18 1.94 0.00 |
| SITHE__STERLING 23777 | 69.08 1.58 0.00 | 66.01 1.48 0.00 | 56.89 1.27 0.00 | 58.51 1.33 0.00 | 54.43 1.22 0.00 | 58.57 1.52 0.00 | 83.52 2.41 0.00 | 72.68 2.07 0.00 | 70.89 1.84 0.00 | 54.31 1.09 0.00 | 45.36 0.75 0.00 | 39.16 0.48 0.00 | 32.92 0.22 0.00 | 38.32 0.10 0.00 | 39.11 0.10 0.00 | 44.52 0.28 0.00 | 58.92 0.79 0.00 | 72.84 1.83 0.00 | 52.89 1.59 0.00 | 52.56 1.53 0.00 | 51.29 1.36 0.00 | 52.83 1.34 0.00 | 45.05 1.11 0.00 | 43.28 1.04 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 65.49 -2.01 0.00 | 62.34 -2.19 0.00 | 53.63 -2.00 0.00 | 55.16 -2.01 0.00 | 51.41 -1.80 0.00 | 55.15 -1.91 0.00 | 78.30 -2.82 0.00 | 68.25 -2.36 0.00 | 66.54 -2.50 0.00 | 51.07 -2.15 0.00 | 42.63 -1.98 0.00 | 36.74 -1.95 0.00 | 30.96 -1.74 0.00 | 36.18 -2.04 0.00 | 36.75 -2.26 0.00 | 41.87 -2.37 0.00 | 55.64 -2.49 0.00 | 68.82 -2.19 0.00 | 49.90 -1.40 0.00 | 49.48 -1.55 0.00 | 48.29 -1.64 0.00 | 49.72 -1.78 0.00 | 42.56 -1.38 0.00 | 41.05 -1.19 0.00 |
| SMITHTWN_69_KV_BK 1 55830 | 70.45 2.95 0.00 | 66.97 2.44 0.00 | 57.92 2.29 0.00 | 59.29 2.11 0.00 | 55.51 2.31 0.00 | 59.66 2.60 0.00 | 84.72 3.61 0.00 | 96.20 2.62 -22.97 | 88.19 1.97 -17.16 | 65.24 2.39 -9.64 | 47.16 2.55 0.00 | 41.09 2.41 0.00 | 35.16 2.46 0.00 | 41.08 2.86 0.00 | 42.17 3.16 0.00 | 47.80 3.56 0.00 | 62.51 4.38 0.00 | 75.54 4.52 0.00 | 54.19 2.89 0.00 | 54.61 3.58 0.00 | 53.34 3.41 -0.01 | 55.80 3.54 -0.77 | 46.79 2.84 0.00 | 44.69 2.45 0.00 |
| SOUTH CAIRO__GT 23612 | 72.06 4.56 0.00 | 68.96 4.43 0.00 | 59.38 3.76 0.00 | 61.07 3.90 0.00 | 56.86 3.65 0.00 | 61.06 3.99 0.00 | 87.11 6.00 0.00 | 202.23 5.02 -126.60 | 168.57 4.92 -94.60 | 109.64 3.31 -53.11 | 46.82 2.20 0.00 | 40.35 1.67 0.00 | 33.99 1.29 0.00 | 39.47 1.25 0.00 | 40.39 1.39 0.00 | 45.98 1.74 0.00 | 60.99 2.86 0.00 | 75.17 4.16 0.00 | 54.73 3.44 0.00 | 54.56 3.53 0.00 | 53.29 3.36 0.00 | 54.99 3.50 0.00 | 46.72 2.77 0.00 | 44.82 2.58 0.00 |
| SOUTH HAMPTN__IC 23720 | 70.15 2.65 0.00 | 66.29 1.76 0.00 | 57.51 1.88 0.00 | 58.88 1.70 0.00 | 55.36 2.15 0.00 | 59.64 2.58 0.00 | 85.18 4.07 0.00 | 96.59 3.01 -22.97 | 88.05 1.83 -17.16 | 65.38 2.53 -9.64 | 47.34 2.73 0.00 | 41.29 2.61 0.00 | 35.44 2.74 0.00 | 41.29 3.07 0.00 | 42.41 3.40 0.00 | 48.04 3.81 0.00 | 63.13 5.00 0.00 | 76.23 5.22 0.00 | 54.58 3.28 0.00 | 55.22 4.19 0.00 | 54.13 4.20 -0.01 | 57.64 4.43 -1.72 | 47.53 3.59 0.00 | 45.26 3.02 0.00 |
| SOUTHDOW_115KV_TB1 355954 | 67.92 0.42 0.00 | 64.47 -0.07 0.00 | 55.36 -0.27 0.00 | 57.04 -0.14 0.00 | 53.24 0.04 0.00 | 56.94 -0.12 0.00 | 80.24 -0.87 0.00 | 73.66 1.85 -1.20 | 71.16 1.76 -0.35 | 55.19 1.45 -0.52 | 45.49 0.88 0.00 | 38.98 0.30 0.00 | 32.98 0.27 0.00 | 38.79 0.57 0.00 | 39.07 0.06 0.00 | 43.64 -0.59 0.00 | 57.41 -0.72 0.00 | 71.04 0.03 0.00 | 51.41 0.11 0.00 | 50.20 -0.82 0.00 | 49.17 -0.76 0.00 | 50.61 -0.88 0.00 | 43.69 -0.25 0.00 | 42.38 0.13 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 70.14 2.63 0.00 | 66.26 1.73 0.00 | 57.47 1.84 0.00 | 58.85 1.68 0.00 | 55.34 2.13 0.00 | 59.70 2.65 0.00 | 85.81 4.70 0.00 | 97.43 3.85 -22.97 | 88.89 2.68 -17.16 | 66.03 3.18 -9.64 | 47.87 3.26 0.00 | 41.75 3.07 0.00 | 35.80 3.09 0.00 | 41.71 3.49 0.00 | 42.80 3.79 0.00 | 48.55 4.31 0.00 | 63.88 5.74 0.00 | 77.17 6.16 0.00 | 55.36 4.06 0.00 | 56.02 4.99 0.00 | 54.90 4.96 -0.01 | 58.39 5.19 -1.72 | 48.15 4.20 0.00 | 45.86 3.62 0.00 |
| SOUTHOLD__IC 23719 | 70.13 2.63 0.00 | 66.26 1.73 0.00 | 57.47 1.84 0.00 | 58.85 1.67 0.00 | 55.32 2.12 0.00 | 59.70 2.65 0.00 | 85.79 4.68 0.00 | 97.40 3.82 -22.97 | 88.89 2.68 -17.16 | 66.05 3.19 -9.64 | 47.87 3.26 0.00 | 41.74 3.06 0.00 | 35.80 3.09 0.00 | 41.71 3.49 0.00 | 42.80 3.79 0.00 | 48.54 4.30 0.00 | 63.87 5.74 0.00 | 77.17 6.16 0.00 | 55.36 4.06 0.00 | 56.01 4.99 0.00 | 54.90 4.96 -0.01 | 58.40 5.19 -1.72 | 48.15 4.21 0.00 | 45.86 3.61 0.00 |
| SOUTH_FORK_WT_PWR 323839 | 69.29 1.78 0.00 | 65.38 0.84 0.00 | 56.72 1.09 0.00 | 58.10 0.93 0.00 | 54.62 1.41 0.00 | 59.02 1.96 0.00 | 85.26 4.14 0.00 | 97.15 3.57 -22.97 | 88.76 2.54 -17.16 | 66.00 3.15 -9.64 | 47.91 3.30 0.00 | 41.77 3.08 0.00 | 35.83 3.12 0.00 | 41.77 3.55 0.00 | 42.83 3.82 0.00 | 48.59 4.35 0.00 | 63.93 5.80 0.00 | 77.24 6.23 0.00 | 55.38 4.09 0.00 | 56.08 5.06 0.00 | 54.96 5.02 -0.01 | 58.46 5.24 -1.72 | 48.18 4.24 0.00 | 45.91 3.66 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 71.73 4.23 0.00 | 68.51 3.98 0.00 | 58.91 3.29 0.00 | 60.64 3.46 0.00 | 55.93 2.72 0.00 | 60.03 2.98 0.00 | 85.41 4.30 0.00 | 404.97 3.93 -330.43 | 319.44 3.47 -246.92 | 194.27 2.43 -138.62 | 46.25 1.64 0.00 | 39.69 1.01 0.00 | 33.35 0.65 0.00 | 38.85 0.63 0.00 | 39.87 0.86 0.00 | 45.50 1.26 0.00 | 60.56 2.43 0.00 | 74.19 3.18 0.00 | 53.45 2.15 0.00 | 53.37 2.35 0.00 | 52.14 2.21 0.00 | 53.74 2.25 0.00 | 45.63 1.68 0.00 | 43.70 1.46 0.00 |

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|--|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ST LAWRENCE____ 23600 | 68.48 0.98 0.00 | 65.45 0.92 0.00 | 56.43 0.80 0.00 | 57.95 0.77 0.00 | 53.96 0.75 0.00 | 57.80 0.74 0.00 | 82.09 0.98 0.00 | 71.38 0.77 0.00 | 69.65 0.60 0.00 | 53.84 0.62 0.00 | 45.20 0.58 0.00 | 39.13 0.45 0.00 | 32.96 0.26 0.00 | 38.55 0.33 0.00 | 39.25 0.24 0.00 | 44.54 0.31 0.00 | 58.66 0.53 0.00 | 71.84 0.83 0.00 | 51.81 0.51 0.00 | 51.44 0.41 0.00 | 50.51 0.58 0.00 | 51.97 0.48 0.00 | 44.41 0.46 0.00 | 42.77 0.53 0.00 |
| STATE_CA_115KV_115_LB 55624 | 69.85 2.35 0.00 | 66.90 2.37 0.00 | 57.62 1.99 0.00 | 59.20 2.03 0.00 | 55.00 1.80 0.00 | 58.96 1.90 0.00 | 83.85 2.74 0.00 | 302.83 2.26 -229.96 | 243.30 2.41 -171.85 | 151.45 1.76 -96.47 | 45.96 1.35 0.00 | 39.83 1.15 0.00 | 33.65 0.95 0.00 | 39.30 1.08 0.00 | 40.24 1.23 0.00 | 45.70 1.46 0.00 | 60.08 1.95 0.00 | 72.97 1.96 0.00 | 52.70 1.40 0.00 | 52.55 1.53 0.00 | 51.35 1.43 0.00 | 53.08 1.59 0.00 | 45.19 1.25 0.00 | 43.39 1.15 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 66.99 -0.52 0.00 | 63.92 -0.61 0.00 | 55.10 -0.53 0.00 | 56.67 -0.50 0.00 | 52.57 -0.63 0.00 | 56.45 -0.61 0.00 | 80.20 -0.92 0.00 | 69.66 -0.95 0.00 | 68.01 -1.04 0.00 | 52.23 -0.99 0.00 | 43.74 -0.87 0.00 | 37.83 -0.85 0.00 | 31.87 -0.83 0.00 | 37.16 -1.06 0.00 | 37.81 -1.20 0.00 | 43.05 -1.19 0.00 | 57.06 -1.07 0.00 | 70.22 -0.79 0.00 | 50.98 -0.31 0.00 | 50.80 -0.22 0.00 | 49.49 -0.44 0.00 | 51.11 -0.38 0.00 | 43.69 -0.25 0.00 | 42.07 -0.17 0.00 |
| STATION_5_MISC_HYD 23604 | 59.06 -1.93 6.51 | 59.23 -2.21 3.09 | 53.53 -2.11 0.00 | 55.02 -2.15 0.00 | 50.47 -1.83 0.92 | 53.28 -2.03 1.75 | 73.57 -3.18 4.36 | 64.29 -2.49 3.84 | 65.19 -2.70 1.15 | 46.90 -2.35 3.97 | 42.46 -2.16 0.00 | 36.65 -2.03 0.00 | 30.91 -1.79 0.00 | 36.18 -2.04 0.00 | 36.71 -2.30 0.00 | 41.80 -2.44 0.00 | 55.50 -2.63 0.00 | 68.51 -2.36 0.14 | 49.57 -1.57 0.16 | 49.19 -1.84 0.00 | 48.06 -1.86 0.00 | 49.45 -2.04 0.00 | 42.42 -1.52 0.00 | 41.01 -1.24 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 65.80 -1.70 0.00 | 62.67 -1.86 0.00 | 53.88 -1.74 0.00 | 55.43 -1.74 0.00 | 51.71 -1.50 0.00 | 55.47 -1.58 0.00 | 78.70 -2.41 0.00 | 68.65 -1.95 0.00 | 66.92 -2.13 0.00 | 51.38 -1.84 0.00 | 42.94 -1.68 0.00 | 37.04 -1.64 0.00 | 31.24 -1.46 0.00 | 36.51 -1.71 0.00 | 37.07 -1.94 0.00 | 42.19 -2.05 0.00 | 55.92 -2.21 0.00 | 69.10 -1.91 0.00 | 50.16 -1.14 0.00 | 49.67 -1.36 0.00 | 48.52 -1.40 0.00 | 49.95 -1.55 0.00 | 42.82 -1.12 0.00 | 41.32 -0.92 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 65.19 -2.31 0.00 | 61.98 -2.55 0.00 | 53.26 -2.36 0.00 | 54.75 -2.43 0.00 | 51.11 -2.10 0.00 | 54.75 -2.31 0.00 | 77.56 -3.55 0.00 | 67.77 -2.84 0.00 | 66.05 -3.00 0.00 | 50.68 -2.54 0.00 | 42.32 -2.29 0.00 | 36.51 -2.17 0.00 | 30.82 -1.88 0.00 | 36.06 -2.16 0.00 | 36.59 -2.42 0.00 | 41.65 -2.59 0.00 | 55.27 -2.86 0.00 | 68.33 -2.68 0.00 | 49.49 -1.81 0.00 | 48.97 -2.05 0.00 | 47.86 -2.07 0.00 | 49.23 -2.26 0.00 | 42.24 -1.70 0.00 | 40.80 -1.44 0.00 |
| STA_56____34_KV_BUS2 355983 | 65.19 -2.31 0.00 | 61.98 -2.55 0.00 | 53.26 -2.36 0.00 | 54.75 -2.43 0.00 | 51.11 -2.10 0.00 | 54.75 -2.31 0.00 | 77.56 -3.55 0.00 | 67.77 -2.84 0.00 | 66.05 -3.00 0.00 | 50.68 -2.54 0.00 | 42.32 -2.29 0.00 | 36.51 -2.17 0.00 | 30.82 -1.88 0.00 | 36.06 -2.16 0.00 | 36.59 -2.42 0.00 | 41.65 -2.59 0.00 | 55.27 -2.86 0.00 | 68.33 -2.68 0.00 | 49.49 -1.81 0.00 | 48.97 -2.05 0.00 | 47.86 -2.07 0.00 | 49.23 -2.26 0.00 | 42.24 -1.70 0.00 | 40.80 -1.44 0.00 |
| STA_67____115KV_BK2 355882 | 65.44 -2.06 0.00 | 62.20 -2.33 0.00 | 53.43 -2.20 0.00 | 54.93 -2.25 0.00 | 51.28 -1.92 0.00 | 54.91 -2.15 0.00 | 77.76 -3.35 0.00 | 67.97 -2.64 0.00 | 66.22 -2.83 0.00 | 50.80 -2.42 0.00 | 42.41 -2.20 0.00 | 36.58 -2.10 0.00 | 30.88 -1.82 0.00 | 36.14 -2.08 0.00 | 36.66 -2.35 0.00 | 41.73 -2.51 0.00 | 55.38 -2.75 0.00 | 68.48 -2.53 0.00 | 49.62 -1.68 0.00 | 49.07 -1.96 0.00 | 47.96 -1.97 0.00 | 49.34 -2.15 0.00 | 42.34 -1.60 0.00 | 40.94 -1.31 0.00 |
| STA_7____115KV_9TRANS 80674 | 65.87 -1.63 0.00 | 62.58 -1.95 0.00 | 53.75 -1.88 0.00 | 55.25 -1.92 0.00 | 51.59 -1.62 0.00 | 55.26 -1.80 0.00 | 78.32 -2.79 0.00 | 68.46 -2.15 0.00 | 66.62 -2.43 0.00 | 51.03 -2.19 0.00 | 42.58 -2.03 0.00 | 36.71 -1.97 0.00 | 30.99 -1.72 0.00 | 36.28 -1.94 0.00 | 36.82 -2.19 0.00 | 41.98 -2.26 0.00 | 55.77 -2.36 0.00 | 69.02 -1.99 0.00 | 50.00 -1.30 0.00 | 49.46 -1.56 0.00 | 48.33 -1.60 0.00 | 49.73 -1.77 0.00 | 42.65 -1.29 0.00 | 41.20 -1.04 0.00 |
| STA_82____115KV_TB1 80780 | 65.39 -2.12 0.00 | 62.14 -2.39 0.00 | 53.39 -2.24 0.00 | 54.88 -2.29 0.00 | 51.24 -1.97 0.00 | 54.87 -2.19 0.00 | 77.68 -3.43 0.00 | 67.90 -2.71 0.00 | 66.16 -2.89 0.00 | 50.76 -2.46 0.00 | 42.37 -2.24 0.00 | 36.55 -2.13 0.00 | 30.85 -1.85 0.00 | 36.10 -2.12 0.00 | 36.63 -2.38 0.00 | 41.67 -2.57 0.00 | 55.32 -2.82 0.00 | 68.41 -2.60 0.00 | 49.56 -1.73 0.00 | 49.02 -2.01 0.00 | 47.91 -2.02 0.00 | 49.30 -2.20 0.00 | 42.30 -1.64 0.00 | 40.90 -1.35 0.00 |
| STEEL____WIND 323596 | 47.69 -2.34 17.47 | 53.44 -2.80 8.29 | 52.85 -2.77 0.00 | 54.37 -2.81 0.00 | 48.37 -2.38 2.46 | 49.50 -2.87 4.69 | 64.35 -5.19 11.57 | 60.04 -3.04 7.53 | 63.55 -3.19 2.30 | 42.38 -2.33 8.50 | 42.48 -2.14 0.00 | 36.49 -2.19 0.00 | 30.85 -1.85 0.00 | 36.28 -1.94 0.00 | 36.51 -2.50 0.00 | 41.14 -3.10 0.00 | 54.19 -3.95 0.00 | 66.76 -3.92 0.33 | 48.21 -2.72 0.36 | 47.66 -3.37 0.00 | 46.61 -3.31 0.00 | 47.94 -3.55 0.00 | 41.58 -2.36 0.00 | 40.60 -1.64 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 69.92 2.42 0.00 | 67.00 2.47 0.00 | 57.64 2.01 0.00 | 59.34 2.16 0.00 | 55.08 1.88 0.00 | 59.22 2.16 0.00 | 84.26 3.15 0.00 | 266.23 2.60 -193.02 | 216.04 2.75 -144.24 | 136.15 1.96 -80.97 | 46.11 1.50 0.00 | 39.86 1.18 0.00 | 33.69 0.99 0.00 | 39.34 1.11 0.00 | 40.28 1.27 0.00 | 45.79 1.55 0.00 | 60.36 2.23 0.00 | 73.25 2.24 0.00 | 52.99 1.69 0.00 | 52.99 1.96 0.00 | 51.66 1.73 0.00 | 53.39 1.89 0.00 | 45.35 1.41 0.00 | 43.67 1.43 0.00 |
| STEBEN_REC_LFGE 323667 | 65.65 -1.85 0.00 | 63.18 -1.35 0.00 | 54.35 -1.28 0.00 | 56.26 -0.91 0.00 | 52.69 -0.52 0.00 | 56.43 -0.63 0.00 | 79.66 -1.45 0.00 | 77.97 -0.67 -8.03 | 73.97 -0.99 -5.91 | 55.71 -0.82 -3.32 | 43.88 -0.74 0.00 | 37.64 -1.04 0.00 | 31.65 -1.05 0.00 | 36.90 -1.32 0.00 | 37.26 -1.75 0.00 | 42.12 -2.12 0.00 | 55.79 -2.34 0.00 | 69.24 -1.76 0.00 | 50.17 -1.13 0.00 | 49.30 -1.73 0.00 | 48.11 -1.82 0.00 | 49.64 -1.85 0.00 | 43.18 -0.77 0.00 | 42.11 -0.13 0.00 |
| STILLWATER____SOLAR 323814 | 70.87 3.37 0.00 | 67.76 3.23 0.00 | 58.33 2.70 0.00 | 60.00 2.83 0.00 | 55.63 2.42 0.00 | 59.67 2.62 0.00 | 84.91 3.79 0.00 | 393.80 3.38 -319.81 | 311.27 3.23 -238.98 | 189.67 2.29 -134.17 | 46.21 1.60 0.00 | 39.87 1.19 0.00 | 33.54 0.84 0.00 | 39.07 0.85 0.00 | 40.04 1.03 0.00 | 45.60 1.36 0.00 | 60.47 2.34 0.00 | 73.85 2.84 0.00 | 53.29 2.00 0.00 | 53.19 2.16 0.00 | 51.96 2.04 0.00 | 53.66 2.17 0.00 | 45.63 1.68 0.00 | 43.76 1.52 0.00 |
| STONY____BROOK 24151 | 70.24 2.74 0.00 | 66.72 2.19 0.00 | 57.74 2.12 0.00 | 59.08 1.91 0.00 | 55.35 2.14 0.00 | 59.49 2.43 0.00 | 84.48 3.37 0.00 | 95.96 2.38 -22.97 | 87.92 1.71 -17.16 | 65.09 2.24 -9.64 | 47.03 2.42 0.00 | 40.99 2.30 0.00 | 35.11 2.41 0.00 | 41.01 2.79 0.00 | 42.10 3.09 0.00 | 47.71 3.48 0.00 | 62.44 4.31 0.00 | 75.40 4.39 0.00 | 54.06 2.76 0.00 | 54.50 3.48 0.00 | 53.29 3.35 -0.01 | 56.20 3.47 -1.24 | 46.73 2.79 0.00 | 44.62 2.38 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| STURGEON_POOL_HYD 23609 | 68.67 1.17 0.00 | 65.69 1.16 0.00 | 56.72 1.09 0.00 | 58.21 1.03 0.00 | 54.15 0.94 0.00 | 58.15 1.09 0.00 | 82.89 1.77 0.00 | 115.64 1.51 -43.52 | 103.24 1.66 -32.52 | 72.89 1.41 -18.26 | 45.93 1.31 0.00 | 39.99 1.30 0.00 | 34.07 1.37 0.00 | 39.90 1.68 0.00 | 40.76 1.75 0.00 | 46.18 1.94 0.00 | 60.25 2.12 0.00 | 73.14 2.13 0.00 | 52.86 1.56 0.00 | 52.75 1.73 0.00 | 51.47 1.54 0.00 | 53.13 1.64 0.00 | 45.18 1.24 0.00 | 43.26 1.02 0.00 |
| ST_LAW_115_BK7_LBMP 345037 | 68.53 1.03 0.00 | 65.52 0.99 0.00 | 56.50 0.87 0.00 | 58.02 0.84 0.00 | 54.02 0.81 0.00 | 57.88 0.82 0.00 | 82.20 1.09 0.00 | 71.47 0.86 0.00 | 69.71 0.65 0.00 | 53.88 0.66 0.00 | 45.24 0.63 0.00 | 39.17 0.49 0.00 | 32.99 0.29 0.00 | 38.59 0.37 0.00 | 39.30 0.28 0.00 | 44.59 0.35 0.00 | 58.70 0.57 0.00 | 71.88 0.87 0.00 | 51.85 0.55 0.00 | 51.45 0.42 0.00 | 50.53 0.60 0.00 | 51.99 0.49 0.00 | 44.45 0.51 0.00 | 42.83 0.58 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 68.53 1.03 0.00 | 65.52 0.99 0.00 | 56.50 0.87 0.00 | 58.02 0.84 0.00 | 54.02 0.81 0.00 | 57.88 0.82 0.00 | 82.20 1.09 0.00 | 71.47 0.86 0.00 | 69.71 0.65 0.00 | 53.88 0.66 0.00 | 45.24 0.63 0.00 | 39.17 0.49 0.00 | 32.99 0.29 0.00 | 38.59 0.37 0.00 | 39.30 0.28 0.00 | 44.59 0.35 0.00 | 58.70 0.57 0.00 | 71.88 0.87 0.00 | 51.85 0.55 0.00 | 51.45 0.42 0.00 | 50.53 0.60 0.00 | 51.99 0.49 0.00 | 44.45 0.51 0.00 | 42.83 0.58 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 68.48 0.98 0.00 | 65.45 0.92 0.00 | 56.43 0.80 0.00 | 57.95 0.77 0.00 | 53.96 0.75 0.00 | 57.80 0.74 0.00 | 82.09 0.98 0.00 | 71.38 0.77 0.00 | 69.65 0.60 0.00 | 53.84 0.62 0.00 | 45.20 0.58 0.00 | 39.13 0.45 0.00 | 32.96 0.26 0.00 | 38.55 0.33 0.00 | 39.25 0.24 0.00 | 44.54 0.31 0.00 | 58.66 0.53 0.00 | 71.84 0.83 0.00 | 51.81 0.51 0.00 | 51.44 0.41 0.00 | 50.51 0.58 0.00 | 51.97 0.48 0.00 | 44.41 0.46 0.00 | 42.77 0.53 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 68.48 0.98 0.00 | 65.45 0.92 0.00 | 56.43 0.80 0.00 | 57.95 0.77 0.00 | 53.96 0.75 0.00 | 57.80 0.74 0.00 | 82.09 0.98 0.00 | 71.38 0.77 0.00 | 69.65 0.60 0.00 | 53.84 0.62 0.00 | 45.20 0.58 0.00 | 39.13 0.45 0.00 | 32.96 0.26 0.00 | 38.55 0.33 0.00 | 39.25 0.24 0.00 | 44.54 0.31 0.00 | 58.66 0.53 0.00 | 71.84 0.83 0.00 | 51.81 0.51 0.00 | 51.44 0.41 0.00 | 50.51 0.58 0.00 | 51.97 0.48 0.00 | 44.41 0.46 0.00 | 42.77 0.53 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 68.26 0.76 0.00 | 65.31 0.78 0.00 | 56.39 0.76 0.00 | 57.83 0.66 0.00 | 53.82 0.62 0.00 | 57.77 0.71 0.00 | 82.34 1.23 0.00 | 93.26 1.09 -21.56 | 86.35 1.19 -16.11 | 63.31 1.05 -9.05 | 45.67 1.05 0.00 | 39.78 1.10 0.00 | 33.96 1.25 0.00 | 39.79 1.57 0.00 | 40.70 1.69 0.00 | 46.10 1.86 0.00 | 60.10 1.97 0.00 | 72.87 1.86 0.00 | 52.65 1.35 0.00 | 52.52 1.50 0.00 | 51.23 1.31 0.00 | 52.90 1.41 0.00 | 44.99 1.05 0.00 | 43.09 0.84 0.00 |
| SWANROAD_115KV_TB1 355699 | 62.44 -5.05 0.00 | 59.01 -5.53 0.00 | 50.84 -4.79 0.00 | 52.21 -4.97 0.00 | 48.49 -4.72 0.00 | 51.22 -5.84 0.00 | 71.53 -9.58 0.00 | 63.01 -7.11 0.49 | 61.66 -7.23 0.16 | 47.60 -5.39 0.23 | 40.05 -4.56 0.00 | 34.45 -4.23 0.00 | 29.10 -3.60 0.00 | 34.16 -4.06 0.00 | 34.41 -4.60 0.00 | 38.69 -5.55 0.00 | 50.99 -7.14 0.00 | 63.27 -7.74 0.00 | 45.89 -5.41 0.00 | 45.11 -5.92 0.00 | 44.21 -5.72 0.00 | 45.44 -6.06 0.00 | 39.67 -4.28 0.00 | 38.94 -3.30 0.00 |
| SYNERGY___BIOGAS 323694 | 65.65 -1.85 0.00 | 62.14 -2.39 0.00 | 53.44 -2.20 0.00 | 54.93 -2.24 0.00 | 51.19 -2.02 0.00 | 54.54 -2.52 0.00 | 76.95 -4.16 0.00 | 67.88 -2.56 0.17 | 66.76 -2.23 0.05 | 50.70 -2.44 0.08 | 41.90 -2.71 0.00 | 35.94 -2.75 0.00 | 30.28 -2.42 0.00 | 35.47 -2.75 0.00 | 35.83 -3.17 0.00 | 40.57 -3.67 0.00 | 54.22 -3.91 0.00 | 68.13 -2.88 0.00 | 49.85 -1.45 0.00 | 49.20 -1.82 0.00 | 48.11 -1.82 0.00 | 49.43 -2.07 0.00 | 42.64 -1.30 0.00 | 41.44 -0.80 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 66.33 -1.17 0.00 | 63.33 -1.20 0.00 | 54.57 -1.06 0.00 | 56.13 -1.05 0.00 | 52.18 -1.03 0.00 | 56.02 -1.04 0.00 | 79.64 -1.47 0.00 | 69.06 -1.55 0.00 | 67.49 -1.56 0.00 | 51.88 -1.34 0.00 | 43.46 -1.15 0.00 | 37.62 -1.06 0.00 | 31.75 -0.96 0.00 | 37.04 -1.18 0.00 | 37.75 -1.26 0.00 | 43.05 -1.19 0.00 | 56.90 -1.23 0.00 | 69.85 -1.16 0.00 | 50.59 -0.70 0.00 | 50.30 -0.73 0.00 | 49.11 -0.82 0.00 | 50.64 -0.85 0.00 | 43.24 -0.71 0.00 | 41.57 -0.67 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 66.33 -1.17 0.00 | 63.33 -1.20 0.00 | 54.57 -1.06 0.00 | 56.13 -1.05 0.00 | 52.18 -1.03 0.00 | 56.02 -1.04 0.00 | 79.64 -1.47 0.00 | 69.06 -1.55 0.00 | 67.49 -1.56 0.00 | 51.88 -1.34 0.00 | 43.46 -1.15 0.00 | 37.62 -1.06 0.00 | 31.75 -0.96 0.00 | 37.04 -1.18 0.00 | 37.75 -1.26 0.00 | 43.05 -1.19 0.00 | 56.90 -1.23 0.00 | 69.85 -1.16 0.00 | 50.59 -0.70 0.00 | 50.30 -0.73 0.00 | 49.11 -0.82 0.00 | 50.64 -0.85 0.00 | 43.24 -0.71 0.00 | 41.57 -0.67 0.00 |
| SYRACUSE___POWER 24017 | 66.42 -1.08 0.00 | 63.39 -1.14 0.00 | 54.61 -1.01 0.00 | 56.17 -1.01 0.00 | 52.27 -0.94 0.00 | 56.13 -0.93 0.00 | 79.79 -1.33 0.00 | 69.19 -1.42 0.00 | 67.63 -1.42 0.00 | 52.00 -1.22 0.00 | 43.55 -1.06 0.00 | 37.71 -0.97 0.00 | 31.82 -0.88 0.00 | 37.13 -1.09 0.00 | 37.84 -1.17 0.00 | 43.17 -1.07 0.00 | 57.02 -1.11 0.00 | 69.98 -1.03 0.00 | 50.71 -0.59 0.00 | 50.40 -0.63 0.00 | 49.24 -0.68 0.00 | 50.74 -0.75 0.00 | 43.32 -0.62 0.00 | 41.65 -0.59 0.00 |
| TALLMAN__138KV_BK151 55660 | 68.18 0.68 0.00 | 65.25 0.72 0.00 | 56.35 0.73 0.00 | 57.75 0.57 0.00 | 53.76 0.55 0.00 | 57.71 0.65 0.00 | 82.26 1.15 0.00 | 93.78 1.05 -22.11 | 86.76 1.18 -16.53 | 63.59 1.09 -9.28 | 45.80 1.19 0.00 | 39.97 1.29 0.00 | 34.18 1.48 0.00 | 40.11 1.89 0.00 | 41.03 2.02 0.00 | 46.45 2.21 0.00 | 60.43 2.30 0.00 | 73.09 2.08 0.00 | 52.76 1.47 0.00 | 52.65 1.63 0.00 | 51.33 1.40 0.00 | 53.03 1.53 0.00 | 45.09 1.15 0.00 | 43.18 0.94 0.00 |
| TEALLAVE_115KV_TB7 355573 | 65.98 -1.52 0.00 | 62.99 -1.54 0.00 | 54.27 -1.35 0.00 | 55.82 -1.36 0.00 | 51.96 -1.25 0.00 | 55.77 -1.29 0.00 | 79.27 -1.85 0.00 | 68.70 -1.90 0.00 | 67.16 -1.89 0.00 | 51.65 -1.57 0.00 | 43.28 -1.34 0.00 | 37.47 -1.21 0.00 | 31.63 -1.07 0.00 | 36.91 -1.31 0.00 | 37.62 -1.38 0.00 | 42.92 -1.31 0.00 | 56.73 -1.41 0.00 | 69.57 -1.44 0.00 | 50.35 -0.94 0.00 | 50.02 -1.01 0.00 | 48.88 -1.05 0.00 | 50.38 -1.12 0.00 | 43.01 -0.93 0.00 | 41.36 -0.88 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 64.11 -3.39 0.00 | 60.61 -3.92 0.00 | 52.15 -3.47 0.00 | 53.59 -3.58 0.00 | 49.87 -3.34 0.00 | 52.96 -4.11 0.00 | 74.36 -6.75 0.00 | 65.65 -4.75 0.20 | 63.98 -4.99 0.08 | 49.17 -3.94 0.11 | 41.15 -3.47 0.00 | 35.36 -3.32 0.00 | 29.81 -2.89 0.00 | 34.98 -3.24 0.00 | 35.30 -3.71 0.00 | 39.82 -4.42 0.00 | 52.81 -5.33 0.00 | 65.65 -5.37 0.00 | 47.68 -3.62 0.00 | 46.94 -4.09 0.00 | 45.96 -3.96 0.00 | 47.25 -4.25 0.00 | 41.01 -2.93 0.00 | 40.07 -2.17 0.00 |
| TEMPLE___115KV_TB 2 55572 | 66.03 -1.47 0.00 | 63.02 -1.51 0.00 | 54.30 -1.33 0.00 | 55.84 -1.33 0.00 | 51.98 -1.23 0.00 | 55.79 -1.27 0.00 | 79.30 -1.82 0.00 | 68.74 -1.87 0.00 | 67.21 -1.84 0.00 | 51.69 -1.53 0.00 | 43.31 -1.30 0.00 | 37.50 -1.18 0.00 | 31.66 -1.04 0.00 | 36.95 -1.27 0.00 | 37.65 -1.36 0.00 | 42.97 -1.27 0.00 | 56.78 -1.35 0.00 | 69.61 -1.40 0.00 | 50.38 -0.91 0.00 | 50.05 -0.97 0.00 | 48.91 -1.02 0.00 | 50.41 -1.08 0.00 | 43.03 -0.91 0.00 | 41.37 -0.87 0.00 |

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| TIANA___69_KV_BK 1 55817 | 70.26 2.76 0.00 | 66.46 1.93 0.00 | 57.63 2.00 0.00 | 58.98 1.80 0.00 | 55.46 2.25 0.00 | 59.70 2.65 0.00 | 85.11 4.00 0.00 | 96.46 2.88 -22.97 | 87.86 1.65 -17.16 | 65.21 2.36 -9.64 | 47.20 2.59 0.00 | 41.18 2.50 0.00 | 35.34 2.64 0.00 | 41.17 2.95 0.00 | 42.31 3.30 0.00 | 47.91 3.68 0.00 | 62.93 4.80 0.00 | 75.99 4.98 0.00 | 54.42 3.12 0.00 | 55.03 4.01 0.00 | 53.94 4.00 -0.01 | 57.45 4.24 -1.72 | 47.37 3.42 0.00 | 45.11 2.87 0.00 |
| TILDEN___115KV_TB1 80814 | 66.42 -1.08 0.00 | 63.39 -1.14 0.00 | 54.61 -1.01 0.00 | 56.17 -1.01 0.00 | 52.27 -0.94 0.00 | 56.13 -0.93 0.00 | 79.79 -1.33 0.00 | 69.19 -1.42 0.00 | 67.63 -1.42 0.00 | 52.00 -1.22 0.00 | 43.55 -1.06 0.00 | 37.71 -0.97 0.00 | 31.82 -0.88 0.00 | 37.13 -1.09 0.00 | 37.84 -1.17 0.00 | 43.17 -1.07 0.00 | 57.02 -1.11 0.00 | 69.98 -1.03 0.00 | 50.71 -0.59 0.00 | 50.40 -0.63 0.00 | 49.24 -0.68 0.00 | 50.74 -0.75 0.00 | 43.32 -0.62 0.00 | 41.65 -0.59 0.00 |
| TRIGEN___CC 323695 | 69.32 1.82 0.00 | 66.17 1.63 0.00 | 57.17 1.54 0.00 | 58.54 1.36 0.00 | 54.62 1.41 0.00 | 58.62 1.56 0.00 | 83.26 2.15 0.00 | 95.29 1.71 -22.97 | 87.77 1.56 -17.16 | 64.62 1.76 -9.64 | 46.46 1.85 0.00 | 40.48 1.80 0.00 | 34.67 1.97 0.00 | 40.64 2.42 0.00 | 41.62 2.61 0.00 | 47.17 2.93 0.00 | 61.46 3.33 0.00 | 74.23 3.21 0.00 | 53.40 2.10 0.00 | 53.59 2.57 0.00 | 52.24 2.31 0.00 | 53.88 2.39 0.00 | 45.82 1.88 0.00 | 43.82 1.58 0.00 |
| TRINITY___115KV___4 BK 55933 | 69.44 1.94 0.00 | 66.53 2.00 0.00 | 57.30 1.67 0.00 | 58.90 1.73 0.00 | 54.79 1.58 0.00 | 58.70 1.64 0.00 | 83.46 2.34 0.00 | 271.68 1.88 -199.19 | 219.95 2.05 -148.85 | 138.28 1.49 -83.56 | 45.73 1.12 0.00 | 39.64 0.96 0.00 | 33.52 0.82 0.00 | 39.15 0.93 0.00 | 40.09 1.09 0.00 | 45.49 1.25 0.00 | 59.77 1.64 0.00 | 72.54 1.52 0.00 | 52.39 1.09 0.00 | 52.26 1.23 0.00 | 51.07 1.15 0.00 | 52.82 1.32 0.00 | 44.97 1.03 0.00 | 43.19 0.94 0.00 |
| UNION___PROCESSING_DRP 323587 | 65.40 -2.11 0.00 | 62.15 -2.38 0.00 | 53.39 -2.24 0.00 | 54.90 -2.28 0.00 | 51.25 -1.96 0.00 | 54.88 -2.18 0.00 | 77.69 -3.42 0.00 | 67.92 -2.69 0.00 | 66.17 -2.88 0.00 | 50.77 -2.45 0.00 | 42.38 -2.23 0.00 | 36.55 -2.13 0.00 | 30.85 -1.85 0.00 | 36.11 -2.10 0.00 | 36.63 -2.38 0.00 | 41.69 -2.55 0.00 | 55.32 -2.81 0.00 | 68.42 -2.59 0.00 | 49.57 -1.72 0.00 | 49.04 -1.99 0.00 | 47.92 -2.01 0.00 | 49.31 -2.19 0.00 | 42.33 -1.62 0.00 | 40.90 -1.34 0.00 |
| UPPER HUDSON___HYD 24058 | 71.74 4.24 0.00 | 68.51 3.98 0.00 | 58.91 3.29 0.00 | 60.64 3.46 0.00 | 55.93 2.72 0.00 | 60.02 2.97 0.00 | 85.41 4.30 0.00 | 404.96 3.93 -330.43 | 319.44 3.47 -246.92 | 194.27 2.43 -138.62 | 46.25 1.64 0.00 | 39.68 1.00 0.00 | 33.35 0.65 0.00 | 38.85 0.63 0.00 | 39.86 0.85 0.00 | 45.50 1.26 0.00 | 60.56 2.43 0.00 | 74.19 3.18 0.00 | 53.45 2.15 0.00 | 53.37 2.34 0.00 | 52.14 2.21 0.00 | 53.74 2.24 0.00 | 45.63 1.68 0.00 | 43.70 1.45 0.00 |
| UPPER RAQUET___HYD 24056 | 69.85 2.35 0.00 | 66.86 2.33 0.00 | 57.67 2.04 0.00 | 59.21 2.03 0.00 | 55.13 1.92 0.00 | 59.12 2.07 0.00 | 84.15 3.03 0.00 | 73.12 2.51 0.00 | 70.74 1.69 0.00 | 54.39 1.17 0.00 | 45.63 1.01 0.00 | 39.51 0.83 0.00 | 33.16 0.47 0.00 | 38.78 0.56 0.00 | 39.47 0.47 0.00 | 44.82 0.59 0.00 | 58.97 0.84 0.00 | 72.42 1.41 0.00 | 52.35 1.05 0.00 | 51.82 0.79 0.00 | 50.79 0.86 0.00 | 52.23 0.74 0.00 | 44.89 0.94 0.00 | 43.53 1.29 0.00 |
| VALLEY44_115KV_TB2 355964 | 66.69 -0.81 0.00 | 63.42 -1.11 0.00 | 54.29 -1.33 0.00 | 55.91 -1.27 0.00 | 52.23 -0.98 0.00 | 55.80 -1.26 0.00 | 78.66 -2.46 0.00 | 73.25 1.22 -1.43 | 70.41 0.95 -0.41 | 54.73 0.90 -0.61 | 44.78 0.16 0.00 | 38.15 -0.54 0.00 | 32.20 -0.50 0.00 | 37.88 -0.34 0.00 | 38.17 -0.84 0.00 | 42.93 -1.31 0.00 | 56.73 -1.40 0.00 | 70.43 -0.58 0.00 | 50.65 -0.65 0.00 | 49.15 -1.88 0.00 | 48.08 -1.84 0.00 | 49.68 -1.82 0.00 | 42.90 -1.04 0.00 | 41.66 -0.59 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 69.29 1.79 0.00 | 66.20 1.67 0.00 | 57.05 1.42 0.00 | 58.70 1.52 0.00 | 54.50 1.29 0.00 | 58.54 1.48 0.00 | 83.31 2.20 0.00 | 72.68 2.07 0.00 | 71.03 1.98 0.00 | 54.45 1.23 0.00 | 45.25 0.64 0.00 | 39.10 0.42 0.00 | 32.92 0.22 0.00 | 38.40 0.18 0.00 | 39.33 0.31 0.00 | 44.73 0.49 0.00 | 59.18 1.05 0.00 | 72.61 1.60 0.00 | 52.60 1.30 0.00 | 52.51 1.48 0.00 | 51.30 1.37 0.00 | 53.11 1.61 0.00 | 45.18 1.24 0.00 | 43.26 1.02 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 70.02 2.52 0.00 | 66.93 2.40 0.00 | 57.69 2.06 0.00 | 59.36 2.19 0.00 | 55.19 1.99 0.00 | 59.29 2.23 0.00 | 84.37 3.26 0.00 | 114.90 2.69 -41.61 | 102.67 2.53 -31.09 | 72.41 1.73 -17.46 | 46.07 1.46 0.00 | 39.96 1.28 0.00 | 33.76 1.06 0.00 | 39.48 1.26 0.00 | 40.31 1.30 0.00 | 45.80 1.56 0.00 | 60.28 2.14 0.00 | 73.61 2.60 0.00 | 53.23 1.93 0.00 | 52.98 1.95 0.00 | 51.80 1.87 0.00 | 53.46 1.97 0.00 | 45.56 1.61 0.00 | 43.75 1.51 0.00 |
| VISCHER___FERRY HYD 24020 | 69.69 2.19 0.00 | 66.76 2.23 0.00 | 57.47 1.84 0.00 | 59.10 1.93 0.00 | 54.97 1.76 0.00 | 58.93 1.87 0.00 | 83.76 2.65 0.00 | 356.72 2.30 -283.82 | 283.47 2.33 -212.09 | 173.95 1.66 -119.07 | 45.77 1.15 0.00 | 39.60 0.92 0.00 | 33.43 0.73 0.00 | 39.03 0.81 0.00 | 39.97 0.96 0.00 | 45.40 1.17 0.00 | 59.86 1.73 0.00 | 72.63 1.63 0.00 | 52.45 1.15 0.00 | 52.37 1.34 0.00 | 51.17 1.25 0.00 | 52.93 1.43 0.00 | 45.05 1.10 0.00 | 43.26 1.02 0.00 |
| V_A_10_SYNC_DSASP 323832 | 63.06 -4.43 0.00 | 59.76 -4.77 0.00 | 51.25 -4.38 0.00 | 52.67 -4.50 0.00 | 49.24 -3.97 0.00 | 52.39 -4.67 0.00 | 73.42 -7.69 0.00 | 64.67 -5.90 0.04 | 63.10 -5.94 0.00 | 48.75 -4.46 0.01 | 40.80 -3.82 0.00 | 35.16 -3.53 0.00 | 29.73 -2.97 0.00 | 34.93 -3.29 0.00 | 35.21 -3.80 0.00 | 39.74 -4.50 0.00 | 52.43 -5.70 0.00 | 64.76 -6.26 0.00 | 46.85 -4.45 0.00 | 46.13 -4.90 0.00 | 45.15 -4.78 0.00 | 46.48 -5.02 0.00 | 40.27 -3.67 0.00 | 39.29 -2.95 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 68.58 1.08 0.00 | 65.58 1.05 0.00 | 56.54 0.91 0.00 | 58.07 0.89 0.00 | 54.07 0.86 0.00 | 57.96 0.90 0.00 | 82.29 1.17 0.00 | 71.55 0.94 0.00 | 69.77 0.72 0.00 | 53.96 0.75 0.00 | 45.39 0.78 0.00 | 39.31 0.62 0.00 | 33.15 0.45 0.00 | 38.78 0.56 0.00 | 39.48 0.47 0.00 | 44.79 0.56 0.00 | 58.87 0.74 0.00 | 71.98 0.97 0.00 | 51.94 0.64 0.00 | 51.51 0.48 0.00 | 50.59 0.66 0.00 | 52.03 0.53 0.00 | 44.55 0.61 0.00 | 43.00 0.76 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 69.93 2.43 0.00 | 66.74 2.21 0.00 | 57.54 1.91 0.00 | 59.22 2.05 0.00 | 55.14 1.93 0.00 | 58.93 1.87 0.00 | 83.52 2.40 0.00 | 72.45 1.84 0.00 | 70.74 1.69 0.00 | 54.62 1.41 0.00 | 45.91 1.30 0.00 | 39.78 1.10 0.00 | 33.29 0.59 0.00 | 38.92 0.70 0.00 | 39.68 0.67 0.00 | 45.13 0.89 0.00 | 59.73 1.60 0.00 | 73.32 2.30 0.00 | 52.91 1.62 0.00 | 52.63 1.60 0.00 | 51.64 1.72 0.00 | 53.05 1.56 0.00 | 45.17 1.23 0.00 | 43.36 1.12 0.00 |
| V_D_10_SYNC_DSASP 323841 | 69.34 1.84 0.00 | 66.30 1.77 0.00 | 57.19 1.56 0.00 | 58.71 1.54 0.00 | 54.69 1.48 0.00 | 58.62 1.56 0.00 | 83.26 2.15 0.00 | 72.37 1.76 0.00 | 70.43 1.38 0.00 | 54.37 1.16 0.00 | 45.67 1.05 0.00 | 39.56 0.88 0.00 | 33.29 0.59 0.00 | 38.94 0.72 0.00 | 39.64 0.63 0.00 | 44.98 0.74 0.00 | 59.21 1.08 0.00 | 72.59 1.58 0.00 | 52.42 1.12 0.00 | 51.97 0.94 0.00 | 51.03 1.11 0.00 | 52.48 0.99 0.00 | 44.94 1.00 0.00 | 43.33 1.09 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| V_E_10_SYNC_DSASP 323830 | 72.15 4.65 0.00 | 68.32 3.79 0.00 | 59.27 3.64 0.00 | 61.26 4.09 0.00 | 57.06 3.85 0.00 | 61.34 4.28 0.00 | 87.65 6.54 0.00 | 94.99 5.97 -18.42 | 88.11 5.29 -13.77 | 64.52 3.57 -7.73 | 47.37 2.76 0.00 | 40.44 1.76 0.00 | 33.73 1.03 0.00 | 39.29 1.07 0.00 | 40.03 1.02 0.00 | 45.75 1.51 0.00 | 61.20 3.07 0.00 | 76.51 5.50 0.00 | 55.80 4.50 0.00 | 55.24 4.22 0.00 | 54.08 4.15 0.00 | 55.56 4.07 0.00 | 47.14 3.19 0.00 | 45.14 2.90 0.00 |
| V_F_30_NSYNC_DSASP 323816 | 70.94 3.44 0.00 | 67.84 3.30 0.00 | 58.38 2.76 0.00 | 60.07 2.90 0.00 | 55.65 2.44 0.00 | 59.70 2.64 0.00 | 84.98 3.87 0.00 | 398.54 3.49 -324.44 | 314.83 3.33 -242.44 | 191.68 2.35 -136.11 | 46.29 1.68 0.00 | 39.93 1.25 0.00 | 33.60 0.90 0.00 | 39.17 0.95 0.00 | 40.12 1.11 0.00 | 45.69 1.45 0.00 | 60.56 2.43 0.00 | 73.96 2.95 0.00 | 53.38 2.09 0.00 | 53.24 2.22 0.00 | 52.05 2.12 0.00 | 53.73 2.23 0.00 | 45.68 1.74 0.00 | 43.81 1.57 0.00 |
| V_F_30_SYNC_DSASP 323786 | 69.83 2.33 0.00 | 66.89 2.36 0.00 | 57.61 1.98 0.00 | 59.20 2.03 0.00 | 55.00 1.79 0.00 | 58.95 1.89 0.00 | 83.85 2.74 0.00 | 300.21 2.26 -227.35 | 241.35 2.41 -169.89 | 150.35 1.75 -95.38 | 45.96 1.34 0.00 | 39.83 1.15 0.00 | 33.65 0.95 0.00 | 39.29 1.07 0.00 | 40.24 1.23 0.00 | 45.69 1.45 0.00 | 60.08 1.95 0.00 | 72.96 1.95 0.00 | 52.70 1.40 0.00 | 52.55 1.52 0.00 | 51.35 1.43 0.00 | 53.08 1.59 0.00 | 45.19 1.25 0.00 | 43.38 1.14 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 69.93 2.43 0.00 | 66.74 2.21 0.00 | 57.54 1.91 0.00 | 59.22 2.05 0.00 | 55.14 1.93 0.00 | 58.93 1.87 0.00 | 83.52 2.40 0.00 | 72.45 1.84 0.00 | 70.74 1.69 0.00 | 54.62 1.41 0.00 | 45.91 1.30 0.00 | 39.78 1.10 0.00 | 33.29 0.59 0.00 | 38.92 0.70 0.00 | 39.68 0.67 0.00 | 45.13 0.89 0.00 | 59.73 1.60 0.00 | 73.32 2.30 0.00 | 52.91 1.62 0.00 | 52.63 1.60 0.00 | 51.64 1.72 0.00 | 53.05 1.56 0.00 | 45.17 1.23 0.00 | 43.36 1.12 0.00 |
| W.BABYLN_69_KV_BK1 56697 | 70.48 2.98 0.00 | 67.17 2.64 0.00 | 58.07 2.45 0.00 | 59.44 2.27 0.00 | 55.57 2.36 0.00 | 59.72 2.66 0.00 | 84.66 3.55 0.00 | 96.20 2.62 -22.97 | 88.32 2.10 -17.16 | 65.34 2.48 -9.64 | 47.25 2.64 0.00 | 41.18 2.50 0.00 | 35.28 2.58 0.00 | 41.25 3.03 0.00 | 42.31 3.30 0.00 | 48.02 3.78 0.00 | 62.73 4.60 0.00 | 75.72 4.71 0.00 | 54.27 2.98 0.00 | 54.74 3.72 0.00 | 53.44 3.51 0.00 | 55.67 3.59 -0.59 | 46.82 2.87 0.00 | 44.74 2.50 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 68.42 0.92 0.00 | 65.45 0.92 0.00 | 56.54 0.91 0.00 | 57.93 0.76 0.00 | 53.95 0.74 0.00 | 57.90 0.84 0.00 | 82.56 1.45 0.00 | 94.21 1.32 -22.29 | 87.13 1.43 -16.65 | 63.86 1.30 -9.35 | 45.98 1.36 0.00 | 40.14 1.46 0.00 | 34.31 1.61 0.00 | 40.25 2.03 0.00 | 41.16 2.16 0.00 | 46.62 2.38 0.00 | 60.68 2.55 0.00 | 73.38 2.38 0.00 | 52.97 1.67 0.00 | 52.86 1.84 0.00 | 51.54 1.61 0.00 | 53.25 1.76 0.00 | 45.29 1.35 0.00 | 43.36 1.12 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 69.11 1.61 0.00 | 66.07 1.54 0.00 | 57.09 1.46 0.00 | 58.43 1.25 0.00 | 54.42 1.22 0.00 | 58.48 1.43 0.00 | 83.45 2.34 0.00 | 95.66 2.09 -22.97 | 88.38 2.17 -17.16 | 64.74 1.89 -9.63 | 46.49 1.87 0.00 | 40.51 1.82 0.00 | 34.65 1.95 0.00 | 40.69 2.47 0.00 | 41.64 2.63 0.00 | 47.16 2.92 0.00 | 61.33 3.20 0.00 | 74.19 3.18 0.00 | 53.51 2.21 0.00 | 53.41 2.38 0.00 | 52.06 2.13 0.00 | 53.75 2.26 0.00 | 45.70 1.75 0.00 | 43.69 1.45 0.00 |
| W50THST__13_KV_LOAD 356117 | 69.44 1.94 0.00 | 66.38 1.85 0.00 | 57.34 1.72 0.00 | 58.70 1.52 0.00 | 54.68 1.47 0.00 | 58.77 1.71 0.00 | 83.89 2.78 0.00 | 96.08 2.51 -22.97 | 88.82 2.61 -17.16 | 65.11 2.26 -9.63 | 46.79 2.18 0.00 | 40.78 2.10 0.00 | 34.89 2.19 0.00 | 40.96 2.74 0.00 | 41.93 2.92 0.00 | 47.48 3.24 0.00 | 61.75 3.62 0.00 | 74.69 3.68 0.00 | 53.85 2.55 0.00 | 53.73 2.70 0.00 | 52.36 2.43 0.00 | 54.04 2.55 0.00 | 45.93 1.98 0.00 | 43.90 1.66 0.00 |
| WADING RIVER_IC_1 23522 | 70.07 2.58 0.00 | 66.19 1.66 0.00 | 57.45 1.82 0.00 | 58.80 1.63 0.00 | 55.35 2.14 0.00 | 59.54 2.48 0.00 | 84.64 3.53 0.00 | 95.85 2.27 -22.97 | 87.13 0.92 -17.16 | 64.74 1.89 -9.64 | 46.84 2.23 0.00 | 40.85 2.17 0.00 | 35.10 2.40 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.57 3.33 0.00 | 62.46 4.33 0.00 | 75.36 4.35 0.00 | 53.86 2.56 0.00 | 54.50 3.48 0.00 | 53.47 3.54 -0.01 | 57.02 3.80 -1.73 | 47.01 3.06 0.00 | 44.72 2.48 0.00 |
| WADING RIVER_IC_2 23547 | 70.07 2.58 0.00 | 66.19 1.66 0.00 | 57.45 1.82 0.00 | 58.80 1.63 0.00 | 55.35 2.14 0.00 | 59.54 2.48 0.00 | 84.64 3.53 0.00 | 95.85 2.27 -22.97 | 87.13 0.92 -17.16 | 64.74 1.89 -9.64 | 46.84 2.23 0.00 | 40.85 2.17 0.00 | 35.10 2.40 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.57 3.33 0.00 | 62.46 4.33 0.00 | 75.36 4.35 0.00 | 53.86 2.56 0.00 | 54.50 3.48 0.00 | 53.47 3.54 -0.01 | 57.02 3.80 -1.73 | 47.01 3.06 0.00 | 44.72 2.48 0.00 |
| WADING RIVER_IC_3 23601 | 70.07 2.58 0.00 | 66.19 1.66 0.00 | 57.45 1.82 0.00 | 58.80 1.63 0.00 | 55.35 2.14 0.00 | 59.54 2.48 0.00 | 84.64 3.53 0.00 | 95.85 2.27 -22.97 | 87.13 0.92 -17.16 | 64.74 1.89 -9.64 | 46.84 2.23 0.00 | 40.85 2.17 0.00 | 35.10 2.40 0.00 | 40.86 2.64 0.00 | 42.05 3.04 0.00 | 47.57 3.33 0.00 | 62.46 4.33 0.00 | 75.36 4.35 0.00 | 53.86 2.56 0.00 | 54.50 3.48 0.00 | 53.47 3.54 -0.01 | 57.02 3.80 -1.73 | 47.01 3.06 0.00 | 44.72 2.48 0.00 |
| WALDENNY_12_KV_BK2 80841 | 65.04 -2.46 0.00 | 61.61 -2.92 0.00 | 52.78 -2.84 0.00 | 54.30 -2.88 0.00 | 50.71 -2.50 0.00 | 54.03 -3.03 0.00 | 75.69 -5.43 0.00 | 68.12 -3.34 -0.86 | 65.85 -3.44 -0.24 | 51.11 -2.47 -0.36 | 42.38 -2.23 0.00 | 36.39 -2.29 0.00 | 30.78 -1.92 0.00 | 36.19 -2.03 0.00 | 36.44 -2.57 0.00 | 41.02 -3.22 0.00 | 54.08 -4.06 0.00 | 66.95 -4.06 0.00 | 48.44 -2.86 0.00 | 47.52 -3.51 0.00 | 46.51 -3.42 0.00 | 47.83 -3.66 0.00 | 41.54 -2.40 0.00 | 40.55 -1.69 0.00 |
| WALDEN__HYDRO 24148 | 68.78 1.28 0.00 | 65.79 1.26 0.00 | 56.80 1.17 0.00 | 58.25 1.08 0.00 | 54.23 1.02 0.00 | 58.21 1.15 0.00 | 82.99 1.88 0.00 | 95.96 1.65 -23.70 | 88.54 1.78 -17.71 | 64.63 1.47 -9.94 | 45.96 1.35 0.00 | 39.99 1.30 0.00 | 34.11 1.41 0.00 | 39.94 1.72 0.00 | 40.84 1.83 0.00 | 46.26 2.03 0.00 | 60.40 2.27 0.00 | 73.35 2.34 0.00 | 53.03 1.73 0.00 | 52.92 1.89 0.00 | 51.61 1.68 0.00 | 53.28 1.79 0.00 | 45.31 1.37 0.00 | 43.37 1.13 0.00 |
| WARRENSBURG____ 23737 | 71.73 4.23 0.00 | 68.51 3.98 0.00 | 58.91 3.29 0.00 | 60.64 3.46 0.00 | 55.93 2.72 0.00 | 60.03 2.98 0.00 | 85.41 4.30 0.00 | 404.97 3.93 -330.43 | 319.44 3.47 -246.92 | 194.27 2.43 -138.62 | 46.25 1.64 0.00 | 39.69 1.01 0.00 | 33.35 0.65 0.00 | 38.85 0.63 0.00 | 39.87 0.86 0.00 | 45.50 1.26 0.00 | 60.56 2.43 0.00 | 74.19 3.18 0.00 | 53.45 2.15 0.00 | 53.37 2.35 0.00 | 52.14 2.21 0.00 | 53.74 2.25 0.00 | 45.63 1.68 0.00 | 43.70 1.46 0.00 |
| WATERSIDE__6 8 9 23538 | 69.19 1.69 0.00 | 66.18 1.65 0.00 | 57.15 1.52 0.00 | 58.48 1.31 0.00 | 54.47 1.26 0.00 | 58.56 1.50 0.00 | 83.60 2.49 0.00 | 95.80 2.22 -22.97 | 88.48 2.26 -17.16 | 64.81 1.96 -9.64 | 46.53 1.92 0.00 | 40.54 1.86 0.00 | 34.67 1.97 0.00 | 40.73 2.51 0.00 | 41.71 2.70 0.00 | 47.25 3.01 0.00 | 61.40 3.27 0.00 | 74.19 3.18 0.00 | 53.56 2.27 0.00 | 53.49 2.47 0.00 | 52.15 2.22 0.00 | 53.86 2.36 0.00 | 45.77 1.83 0.00 | 43.76 1.51 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|---------------------------|---------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| WATKINRD_115KV_LN8_ILLLION 55919 | 68.73 1.23 0.00 | 65.67 1.14 0.00 | 56.59 0.96 0.00 | 58.22 1.05 0.00 | 54.09 0.89 0.00 | 58.07 1.01 0.00 | 82.63 1.52 0.00 | 72.09 1.48 0.00 | 70.48 1.43 0.00 | 54.11 0.89 0.00 | 45.08 0.46 0.00 | 39.00 0.32 0.00 | 32.88 0.18 0.00 | 38.38 0.16 0.00 | 39.27 0.26 0.00 | 44.59 0.36 0.00 | 58.86 0.73 0.00 | 72.10 1.09 0.00 | 52.19 0.89 0.00 | 52.04 1.02 0.00 | 50.85 0.93 0.00 | 52.61 1.11 0.00 | 44.78 0.84 0.00 | 42.93 0.68 0.00 |
| WDELAWARE___HYD 323627 | 70.33 2.83 0.00 | 67.76 3.24 0.00 | 58.52 2.90 0.00 | 60.10 2.93 0.00 | 56.02 2.81 0.00 | 60.15 3.09 0.00 | 85.71 4.60 0.00 | 100.62 3.97 -26.03 | 92.53 4.02 -19.45 | 67.28 3.14 -10.92 | 47.35 2.73 0.00 | 41.14 2.46 0.00 | 34.93 2.23 0.00 | 40.70 2.48 0.00 | 41.58 2.58 0.00 | 47.27 3.03 0.00 | 62.07 3.94 0.00 | 75.63 4.62 0.00 | 54.70 3.40 0.00 | 54.49 3.47 0.00 | 53.15 3.22 0.00 | 54.45 2.95 0.00 | 45.97 2.03 0.00 | 44.26 2.02 0.00 |
| WEST BABYLON___IC 23714 | 70.48 2.98 0.00 | 67.17 2.64 0.00 | 58.07 2.45 0.00 | 59.44 2.27 0.00 | 55.57 2.36 0.00 | 59.72 2.66 0.00 | 84.66 3.55 0.00 | 96.20 2.62 -22.97 | 88.32 2.10 -17.16 | 65.34 2.48 -9.64 | 47.25 2.64 0.00 | 41.18 2.50 0.00 | 35.28 2.58 0.00 | 41.25 3.03 0.00 | 42.31 3.30 0.00 | 48.02 3.78 0.00 | 62.73 4.60 0.00 | 75.72 4.71 0.00 | 54.27 2.98 0.00 | 54.74 3.72 0.00 | 53.44 3.51 0.00 | 55.67 3.59 -0.59 | 46.82 2.87 0.00 | 44.74 2.50 0.00 |
| WEST CANADA___HYD 24049 | 67.57 0.07 0.00 | 64.59 0.06 0.00 | 55.68 0.05 0.00 | 57.25 0.07 0.00 | 53.26 0.05 0.00 | 57.15 0.09 0.00 | 81.29 0.18 0.00 | 70.89 0.28 0.00 | 69.37 0.32 0.00 | 53.41 0.19 0.00 | 44.75 0.13 0.00 | 38.80 0.12 0.00 | 32.81 0.11 0.00 | 38.33 0.12 0.00 | 39.17 0.16 0.00 | 44.34 0.10 0.00 | 58.21 0.07 0.00 | 71.10 0.09 0.00 | 51.37 0.07 0.00 | 51.13 0.10 0.00 | 49.98 0.05 0.00 | 51.56 0.07 0.00 | 43.99 0.05 0.00 | 42.28 0.04 0.00 |
| WESTERN_NY_WIND 24143 | 65.52 -1.97 0.00 | 62.00 -2.52 0.00 | 53.33 -2.30 0.00 | 54.82 -2.36 0.00 | 51.09 -2.12 0.00 | 54.41 -2.65 0.00 | 76.74 -4.38 0.00 | 67.68 -2.75 0.18 | 66.64 -2.35 0.06 | 50.62 -2.51 0.08 | 41.85 -2.77 0.00 | 35.89 -2.80 0.00 | 30.24 -2.46 0.00 | 35.42 -2.80 0.00 | 35.78 -3.23 0.00 | 40.50 -3.74 0.00 | 54.14 -4.00 0.00 | 68.02 -2.99 0.00 | 49.77 -1.52 0.00 | 49.11 -1.92 0.00 | 48.03 -1.89 0.00 | 49.34 -2.15 0.00 | 42.58 -1.36 0.00 | 41.38 -0.86 0.00 |
| WESTOVER___LESR 323668 | 67.10 -0.41 0.00 | 64.04 -0.49 0.00 | 55.24 -0.39 0.00 | 56.88 -0.30 0.00 | 52.89 -0.32 0.00 | 56.73 -0.33 0.00 | 80.45 -0.67 0.00 | 82.12 -0.64 -12.15 | 77.45 -0.68 -9.08 | 57.77 -0.54 -5.10 | 44.30 -0.31 0.00 | 38.45 -0.23 0.00 | 32.57 -0.13 0.00 | 38.07 -0.14 0.00 | 38.78 -0.23 0.00 | 43.96 -0.28 0.00 | 57.62 -0.51 0.00 | 70.49 -0.52 0.00 | 51.09 -0.21 0.00 | 50.79 -0.23 0.00 | 49.68 -0.25 0.00 | 51.29 -0.21 0.00 | 43.83 -0.11 0.00 | 42.16 -0.08 0.00 |
| WETHRSFD_WT_PWR 323626 | 57.61 -2.96 6.93 | 58.19 -3.06 3.29 | 52.77 -2.86 0.00 | 54.42 -2.76 0.00 | 49.86 -2.38 0.98 | 52.42 -2.77 1.86 | 71.61 -4.91 4.60 | 70.81 -3.34 -3.54 | 69.52 -3.51 -3.99 | 49.86 -2.67 0.69 | 42.23 -2.38 0.00 | 36.29 -2.39 0.00 | 30.63 -2.07 0.00 | 35.96 -2.26 0.00 | 36.28 -2.74 0.00 | 40.88 -3.36 0.00 | 53.89 -4.24 0.00 | 66.71 -4.16 0.13 | 48.30 -2.86 0.14 | 47.65 -3.38 0.00 | 46.58 -3.35 0.00 | 48.07 -3.42 0.00 | 41.64 -2.31 0.00 | 40.63 -1.61 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 68.12 0.62 0.00 | 65.19 0.66 0.00 | 56.31 0.68 0.00 | 57.70 0.52 0.00 | 53.72 0.52 0.00 | 57.65 0.59 0.00 | 82.19 1.07 0.00 | 93.89 0.96 -22.32 | 86.81 1.08 -16.68 | 63.61 1.03 -9.36 | 45.78 1.17 0.00 | 39.96 1.27 0.00 | 34.16 1.46 0.00 | 40.08 1.86 0.00 | 41.00 1.99 0.00 | 46.42 2.18 0.00 | 60.39 2.26 0.00 | 73.05 2.04 0.00 | 52.72 1.42 0.00 | 52.62 1.60 0.00 | 51.31 1.38 0.00 | 53.02 1.52 0.00 | 45.09 1.15 0.00 | 43.18 0.94 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 68.12 0.62 0.00 | 65.19 0.66 0.00 | 56.31 0.68 0.00 | 57.70 0.52 0.00 | 53.72 0.52 0.00 | 57.65 0.59 0.00 | 82.19 1.07 0.00 | 93.89 0.96 -22.32 | 86.81 1.08 -16.68 | 63.61 1.03 -9.36 | 45.78 1.17 0.00 | 39.96 1.27 0.00 | 34.16 1.46 0.00 | 40.08 1.86 0.00 | 41.00 1.99 0.00 | 46.42 2.18 0.00 | 60.39 2.26 0.00 | 73.05 2.04 0.00 | 52.72 1.42 0.00 | 52.62 1.60 0.00 | 51.31 1.38 0.00 | 53.02 1.52 0.00 | 45.09 1.15 0.00 | 43.18 0.94 0.00 |
| WHITEHAL_115KV_TB1 80871 | 73.96 6.46 0.00 | 70.52 5.98 0.00 | 60.51 4.88 0.00 | 62.57 5.39 0.00 | 58.05 4.84 0.00 | 62.14 5.08 0.00 | 88.26 7.15 -330.43 | 408.42 7.38 -246.92 | 320.74 4.77 -138.62 | 195.06 3.22 0.00 | 46.39 1.78 0.00 | 39.53 0.85 0.00 | 33.24 0.54 0.00 | 38.96 0.74 0.00 | 40.27 1.27 0.00 | 46.18 1.94 0.00 | 61.62 3.48 0.00 | 75.43 4.42 0.00 | 54.13 2.83 0.00 | 54.22 3.20 0.00 | 53.05 3.12 0.00 | 54.45 2.96 0.00 | 46.09 2.15 0.00 | 44.15 1.90 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 69.45 1.94 0.00 | 66.40 1.87 0.00 | 57.33 1.70 0.00 | 58.73 1.56 0.00 | 54.70 1.49 0.00 | 58.77 1.71 0.00 | 83.83 2.72 0.00 | 95.99 2.44 -22.94 | 88.67 2.47 -17.14 | 64.95 2.11 -9.62 | 46.60 1.99 0.00 | 40.60 1.92 0.00 | 34.70 2.00 0.00 | 40.71 2.49 0.00 | 41.65 2.65 0.00 | 47.17 2.94 0.00 | 61.43 3.30 0.00 | 74.43 3.42 0.00 | 53.73 2.43 0.00 | 53.61 2.58 0.00 | 52.27 2.35 0.00 | 53.96 2.47 0.00 | 45.85 1.91 0.00 | 43.86 1.62 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 70.29 2.79 0.00 | 66.59 2.06 0.00 | 57.72 2.09 0.00 | 59.06 1.88 0.00 | 55.46 2.25 0.00 | 59.65 2.59 0.00 | 84.76 3.65 0.00 | 96.11 2.53 -22.97 | 87.67 1.46 -17.16 | 64.99 2.14 -9.64 | 47.00 2.38 0.00 | 40.99 2.31 0.00 | 35.18 2.48 0.00 | 40.99 2.76 0.00 | 42.14 3.13 0.00 | 47.73 3.49 0.00 | 62.54 4.41 0.00 | 75.52 4.51 0.00 | 54.07 2.77 0.00 | 54.60 3.57 0.00 | 53.49 3.56 -0.01 | 56.91 3.77 -1.65 | 46.97 3.02 0.00 | 44.76 2.52 0.00 |
| WOODARD_115KV_TB2 355635 | 65.83 -1.67 0.00 | 62.87 -1.66 0.00 | 54.17 -1.45 0.00 | 55.71 -1.47 0.00 | 51.86 -1.35 0.00 | 55.65 -1.41 0.00 | 79.09 -2.02 0.00 | 68.55 -2.06 0.00 | 67.01 -2.04 0.00 | 51.53 -1.68 0.00 | 43.18 -1.43 0.00 | 37.39 -1.29 0.00 | 31.57 -1.14 0.00 | 36.84 -1.38 0.00 | 37.55 -1.46 0.00 | 42.84 -1.40 0.00 | 56.60 -1.53 0.00 | 69.40 -1.61 0.00 | 50.23 -1.07 0.00 | 49.90 -1.12 0.00 | 48.78 -1.15 0.00 | 50.28 -1.22 0.00 | 42.93 -1.02 0.00 | 41.27 -0.98 0.00 |
| WOODMERE_69_KV_BK1 55827 | 70.06 2.56 0.00 | 66.84 2.31 0.00 | 57.73 2.11 0.00 | 59.11 1.94 0.00 | 55.14 1.94 0.00 | 59.19 2.13 0.00 | 84.15 3.03 0.00 | 96.02 2.44 -22.97 | 88.47 2.26 -17.16 | 65.17 2.32 -9.64 | 46.95 2.33 0.00 | 40.88 2.20 0.00 | 35.01 2.31 0.00 | 41.09 2.87 0.00 | 42.02 3.02 0.00 | 47.67 3.43 0.00 | 62.08 3.95 0.00 | 75.10 4.09 0.00 | 54.07 2.77 0.00 | 54.22 3.20 0.00 | 52.86 2.93 0.00 | 54.49 2.99 0.00 | 46.32 2.37 0.00 | 44.30 2.06 0.00 |
| YORK___WARBASSE 23770 | 69.19 1.69 0.00 | 66.22 1.68 0.00 | 57.18 1.55 0.00 | 58.47 1.30 0.00 | 54.47 1.26 0.00 | 58.57 1.51 0.00 | 83.60 2.49 0.00 | 95.77 2.19 -22.97 | 88.32 2.11 -17.16 | 64.72 1.86 -9.64 | 46.51 1.89 0.00 | 40.53 1.84 0.00 | 34.66 1.96 0.00 | 40.75 2.53 0.00 | 41.72 2.71 0.00 | 47.24 3.00 0.00 | 61.35 3.21 0.00 | 74.10 3.09 0.00 | 53.53 2.24 0.00 | 53.50 2.47 0.00 | 52.11 2.19 0.00 | 53.83 2.34 0.00 | 45.78 1.83 0.00 | 43.78 1.54 0.00 |