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|------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ALBANY__2 23572 | 43.22 0.43 0.00 | 34.48 0.52 0.00 | 32.78 0.49 0.00 | 31.62 0.48 0.00 | 31.56 0.47 0.00 | 31.11 0.44 0.00 | 36.91 0.49 0.00 | 34.18 0.52 0.00 | 33.48 0.51 0.00 | 35.24 0.47 0.00 | 31.74 0.41 0.00 | 29.50 0.44 0.00 | 27.35 0.40 0.00 | 26.04 0.35 0.00 | 23.56 0.34 0.00 | 20.84 0.35 0.00 | 23.49 0.42 0.00 | 25.13 0.52 0.00 | 33.24 0.63 0.00 | 44.30 0.72 0.00 | 51.40 0.77 0.00 | 39.62 0.64 0.00 | 34.51 0.55 0.00 | 30.39 0.53 0.00 |
| ALBANY__3 23573 | 43.22 0.43 0.00 | 34.48 0.52 0.00 | 32.78 0.49 0.00 | 31.62 0.48 0.00 | 31.56 0.47 0.00 | 31.11 0.44 0.00 | 36.91 0.49 0.00 | 34.18 0.52 0.00 | 33.48 0.51 0.00 | 35.24 0.47 0.00 | 31.74 0.41 0.00 | 29.50 0.44 0.00 | 27.35 0.40 0.00 | 26.04 0.35 0.00 | 23.56 0.34 0.00 | 20.84 0.35 0.00 | 23.49 0.42 0.00 | 25.13 0.52 0.00 | 33.24 0.63 0.00 | 44.30 0.72 0.00 | 51.40 0.77 0.00 | 39.62 0.64 0.00 | 34.51 0.55 0.00 | 30.39 0.53 0.00 |
| ALBANY__4 23574 | 43.22 0.43 0.00 | 34.48 0.52 0.00 | 32.78 0.49 0.00 | 31.62 0.48 0.00 | 31.56 0.47 0.00 | 31.11 0.44 0.00 | 36.91 0.49 0.00 | 34.18 0.52 0.00 | 33.48 0.51 0.00 | 35.24 0.47 0.00 | 31.74 0.41 0.00 | 29.50 0.44 0.00 | 27.35 0.40 0.00 | 26.04 0.35 0.00 | 23.56 0.34 0.00 | 20.84 0.35 0.00 | 23.49 0.42 0.00 | 25.13 0.52 0.00 | 33.24 0.63 0.00 | 44.30 0.72 0.00 | 51.40 0.77 0.00 | 39.62 0.64 0.00 | 34.51 0.55 0.00 | 30.39 0.53 0.00 |
| ALBANY__LFGE 323615 | 43.65 0.86 0.00 | 34.81 0.85 0.00 | 33.06 0.78 0.00 | 31.91 0.76 0.00 | 31.85 0.76 0.00 | 31.39 0.72 0.00 | 37.24 0.83 0.00 | 34.47 0.82 0.00 | 33.76 0.78 0.00 | 35.50 0.74 0.00 | 31.96 0.62 0.00 | 29.70 0.65 0.00 | 27.53 0.59 0.00 | 26.21 0.52 0.00 | 23.71 0.49 0.00 | 20.98 0.49 0.00 | 23.67 0.61 0.00 | 25.38 0.76 0.00 | 33.59 0.98 0.00 | 44.78 1.20 0.00 | 51.95 1.31 0.00 | 40.01 1.04 0.00 | 34.87 0.91 0.00 | 30.68 0.82 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 42.92 0.13 0.00 | 34.04 0.09 0.00 | 32.36 0.08 0.00 | 31.24 0.09 0.00 | 31.22 0.13 0.00 | 30.79 0.12 0.00 | 36.60 0.19 0.00 | 33.73 0.07 0.00 | 33.00 0.03 0.00 | 34.72 -0.05 0.00 | 31.25 -0.09 0.00 | 28.95 -0.11 0.00 | 26.80 -0.14 0.00 | 25.53 -0.16 0.00 | 23.09 -0.13 0.00 | 20.32 -0.17 0.00 | 22.88 -0.18 0.00 | 24.43 -0.18 0.00 | 32.47 -0.15 0.00 | 43.42 -0.16 0.00 | 50.48 -0.16 0.00 | 38.95 -0.02 0.00 | 34.00 0.04 0.00 | 29.83 -0.03 0.00 |
| ALCOA_RYNLDS__DRP 24188 | 42.92 0.13 0.00 | 34.04 0.08 0.00 | 32.36 0.08 0.00 | 31.24 0.09 0.00 | 31.21 0.13 0.00 | 30.79 0.12 0.00 | 36.60 0.19 0.00 | 33.73 0.07 0.00 | 33.00 0.02 0.00 | 34.71 -0.05 0.00 | 31.25 -0.09 0.00 | 28.95 -0.11 0.00 | 26.80 -0.14 0.00 | 25.53 -0.16 0.00 | 23.09 -0.14 0.00 | 20.32 -0.17 0.00 | 22.88 -0.18 0.00 | 24.43 -0.18 0.00 | 32.47 -0.15 0.00 | 43.42 -0.16 0.00 | 50.48 -0.16 0.00 | 38.95 -0.02 0.00 | 34.00 0.04 0.00 | 29.83 -0.03 0.00 |
| ALCOA__DSASP 323711 | 42.92 0.13 0.00 | 34.04 0.08 0.00 | 32.36 0.08 0.00 | 31.24 0.09 0.00 | 31.21 0.13 0.00 | 30.79 0.12 0.00 | 36.60 0.19 0.00 | 33.73 0.07 0.00 | 33.00 0.02 0.00 | 34.71 -0.05 0.00 | 31.25 -0.09 0.00 | 28.95 -0.11 0.00 | 26.80 -0.14 0.00 | 25.53 -0.16 0.00 | 23.09 -0.14 0.00 | 20.32 -0.17 0.00 | 22.88 -0.18 0.00 | 24.43 -0.18 0.00 | 32.47 -0.15 0.00 | 43.42 -0.16 0.00 | 50.48 -0.16 0.00 | 38.95 -0.02 0.00 | 34.00 0.04 0.00 | 29.83 -0.03 0.00 |
| ALLEGHENY__COGEN 23514 | 42.85 0.05 0.00 | 33.65 -0.30 0.00 | 32.09 -0.20 0.00 | 30.94 -0.21 0.00 | 30.83 -0.26 0.00 | 30.45 -0.22 0.00 | 36.22 -0.19 0.00 | 33.22 -0.44 0.00 | 32.54 -0.43 0.00 | 33.96 -0.80 0.00 | 30.51 -0.83 0.00 | 26.89 -1.32 0.85 | 25.74 -1.21 0.00 | 24.73 -0.95 0.00 | 22.21 -1.01 0.00 | 16.14 -0.94 3.41 | 22.28 -0.78 0.00 | 23.78 -0.83 0.00 | 31.54 -1.07 0.00 | 43.30 -0.28 0.00 | 46.36 0.13 4.41 | 38.68 -0.06 0.24 | 33.89 -0.08 0.00 | 29.68 -0.14 0.03 |
| ALTMONT_115KV_TB 2 55880 | 43.74 0.95 0.00 | 34.80 0.85 0.00 | 33.08 0.80 0.00 | 31.90 0.75 0.00 | 31.84 0.75 0.00 | 31.39 0.72 0.00 | 37.26 0.84 0.00 | 34.49 0.83 0.00 | 33.77 0.80 0.00 | 35.56 0.79 0.00 | 32.05 0.71 0.00 | 29.77 0.71 0.00 | 27.58 0.63 0.00 | 26.27 0.58 0.00 | 23.77 0.54 0.00 | 21.00 0.52 0.00 | 23.65 0.59 0.00 | 25.30 0.68 0.00 | 33.50 0.89 0.00 | 44.75 1.17 0.00 | 51.96 1.32 0.00 | 39.99 1.02 0.00 | 34.83 0.87 0.00 | 30.65 0.80 0.00 |
| ALTONA_WT_PWR 323606 | 43.27 0.48 0.00 | 34.36 0.40 0.00 | 32.67 0.39 0.00 | 31.53 0.38 0.00 | 31.53 0.44 0.00 | 31.12 0.45 0.00 | 36.99 0.57 0.00 | 34.16 0.50 0.00 | 33.41 0.44 0.00 | 35.15 0.38 0.00 | 31.62 0.28 0.00 | 29.30 0.25 0.00 | 27.11 0.16 0.00 | 25.80 0.12 0.00 | 23.31 0.08 0.00 | 20.60 0.11 0.00 | 23.24 0.17 0.00 | 24.84 0.23 0.00 | 32.95 0.34 0.00 | 44.07 0.49 0.00 | 51.21 0.57 0.00 | 39.47 0.50 0.00 | 34.45 0.49 0.00 | 30.19 0.33 0.00 |
| AMERICAN_REF_FUEL 24010 | 39.12 -3.68 0.00 | 30.55 -3.41 0.00 | 29.20 -3.09 0.00 | 28.19 -2.96 0.00 | 28.07 -3.02 0.00 | 27.73 -2.94 0.00 | 33.03 -3.39 0.00 | 30.31 -3.35 0.00 | 29.93 -3.04 0.00 | 31.39 -3.38 0.00 | 28.80 -2.54 0.00 | 25.77 -2.56 0.73 | 24.54 -2.40 0.00 | 23.67 -2.01 0.00 | 21.33 -1.89 0.00 | 15.86 -1.72 2.91 | 21.27 -1.79 0.00 | 22.45 -2.17 0.00 | 29.00 -3.61 0.00 | 38.55 -5.03 0.00 | 41.24 -5.64 3.77 | 34.35 -4.42 0.20 | 30.45 -3.51 0.00 | 26.95 -2.88 0.03 |
| ARKWRIGHT__SUMMIT_WT_PWR 323751 | 40.77 -2.03 0.00 | 31.91 -2.05 0.00 | 30.51 -1.78 0.00 | 29.43 -1.72 0.00 | 29.28 -1.81 0.00 | 28.89 -1.78 0.00 | 34.33 -2.08 0.00 | 31.69 -1.97 0.00 | 31.24 -1.73 0.00 | 32.67 -2.09 0.00 | 29.90 -1.44 0.00 | 26.50 -1.69 0.87 | 25.23 -1.72 0.00 | 24.37 -1.31 0.00 | 21.86 -1.36 0.00 | 15.79 -1.20 3.50 | 21.93 -1.13 0.00 | 23.36 -1.26 0.00 | 30.46 -2.15 0.00 | 40.87 -2.72 0.00 | 43.18 -2.93 4.52 | 36.14 -2.59 0.24 | 31.78 -2.18 0.00 | 28.12 -1.71 0.03 |
| ARTHUR KILL_GT_1 23520 | 44.97 2.18 0.00 | 35.83 1.87 0.00 | 34.02 1.73 0.00 | 32.72 1.58 0.00 | 32.64 1.55 0.00 | 32.20 1.53 0.00 | 38.21 1.79 0.00 | 35.62 1.96 0.00 | 35.07 2.10 0.00 | 37.15 2.39 0.00 | 33.64 2.31 0.00 | 31.26 2.21 0.00 | 28.98 2.03 0.00 | 27.66 1.97 0.00 | 24.97 1.74 0.00 | 22.05 1.57 0.00 | 24.78 1.72 0.00 | 26.46 1.85 0.00 | 34.89 2.28 0.00 | 46.36 2.78 0.00 | 53.88 3.24 0.00 | 41.44 2.46 0.00 | 36.03 2.07 0.00 | 31.72 1.86 0.00 |
| ARTHUR_KILL_2 23512 | 44.87 2.07 0.00 | 35.75 1.79 0.00 | 33.94 1.65 0.00 | 32.65 1.51 0.00 | 32.56 1.47 0.00 | 32.12 1.45 0.00 | 38.12 1.70 0.00 | 35.52 1.87 0.00 | 34.99 2.02 0.00 | 37.06 2.30 0.00 | 33.57 2.23 0.00 | 31.20 2.15 0.00 | 28.93 1.99 0.00 | 27.62 1.93 0.00 | 24.93 1.70 0.00 | 22.02 1.54 0.00 | 24.74 1.68 0.00 | 26.41 1.80 0.00 | 34.82 2.21 0.00 | 46.25 2.67 0.00 | 53.74 3.11 0.00 | 41.33 2.35 0.00 | 35.94 1.98 0.00 | 31.65 1.79 0.00 |
| ARTHUR_KILL_3 23513 | 44.73 1.95 0.00 | 35.63 1.67 0.00 | 33.83 1.55 0.00 | 32.57 1.43 0.00 | 32.48 1.39 0.00 | 32.04 1.38 0.00 | 38.01 1.60 0.00 | 35.43 1.77 0.00 | 34.90 1.93 0.00 | 36.96 2.20 0.00 | 33.46 2.13 0.00 | 31.16 2.11 0.00 | 28.89 1.95 0.00 | 27.61 1.92 0.00 | 24.91 1.69 0.00 | 22.02 1.54 0.00 | 24.75 1.69 0.00 | 26.41 1.80 0.00 | 34.78 2.17 0.00 | 46.15 2.57 0.00 | 53.54 2.90 0.00 | 41.15 2.18 0.00 | 35.81 1.85 0.00 | 31.54 1.68 0.00 |

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| ASTORIA_GT4_4 24105 | 44.53 1.74 0.00 | 35.51 1.55 0.00 | 33.74 1.45 0.00 | 32.44 1.30 0.00 | 32.37 1.28 0.00 | 31.92 1.25 0.00 | 37.84 1.42 0.00 | 35.30 1.64 0.00 | 34.79 1.82 0.00 | 36.84 2.08 0.00 | 33.33 1.99 0.00 | 31.03 1.97 0.00 | 28.79 1.85 0.00 | 27.51 1.82 0.00 | 24.80 1.58 0.00 | 21.92 1.44 0.00 | 24.60 1.54 0.00 | 26.30 1.68 0.00 | 34.65 2.04 0.00 | 45.92 2.34 0.01 | 53.24 2.61 0.01 | 40.97 2.01 0.01 | 35.66 1.70 0.00 | 31.45 1.60 0.00 |
| ASTORIA_GT_1 23523 | 44.61 1.82 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.50 1.36 0.00 | 32.41 1.32 0.00 | 31.97 1.30 0.00 | 37.90 1.49 0.00 | 35.35 1.70 0.00 | 34.84 1.86 0.00 | 36.91 2.15 0.00 | 33.39 2.05 0.00 | 31.08 2.02 0.00 | 28.85 1.90 0.00 | 27.56 1.87 0.00 | 24.85 1.62 0.00 | 21.96 1.48 0.00 | 24.64 1.58 0.00 | 26.34 1.73 0.00 | 34.71 2.10 0.00 | 45.99 2.41 0.01 | 53.34 2.71 0.01 | 41.05 2.08 0.01 | 35.72 1.76 0.00 | 31.50 1.64 0.00 |
| ASTORIA_GT_10 24110 | 44.67 1.88 0.00 | 35.62 1.66 0.00 | 33.84 1.56 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.05 1.38 0.00 | 37.99 1.57 0.00 | 35.41 1.75 0.00 | 34.90 1.93 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.15 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.80 2.19 0.00 | 46.08 2.49 0.00 | 53.39 2.75 0.00 | 41.11 2.13 0.00 | 35.79 1.83 0.00 | 31.53 1.67 0.00 |
| ASTORIA_GT_11 24225 | 44.67 1.88 0.00 | 35.62 1.66 0.00 | 33.84 1.56 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.05 1.38 0.00 | 37.99 1.57 0.00 | 35.41 1.75 0.00 | 34.90 1.93 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.15 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.80 2.19 0.00 | 46.08 2.49 0.00 | 53.39 2.75 0.00 | 41.11 2.13 0.00 | 35.79 1.83 0.00 | 31.53 1.67 0.00 |
| ASTORIA_GT_12 24226 | 44.67 1.88 0.00 | 35.62 1.66 0.00 | 33.84 1.56 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.05 1.38 0.00 | 37.99 1.57 0.00 | 35.41 1.75 0.00 | 34.90 1.93 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.15 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.80 2.19 0.00 | 46.08 2.49 0.00 | 53.39 2.75 0.00 | 41.11 2.13 0.00 | 35.79 1.83 0.00 | 31.53 1.67 0.00 |
| ASTORIA_GT_13 24227 | 44.67 1.88 0.00 | 35.62 1.66 0.00 | 33.84 1.56 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.05 1.38 0.00 | 37.99 1.57 0.00 | 35.41 1.75 0.00 | 34.90 1.93 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.15 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.80 2.19 0.00 | 46.08 2.49 0.00 | 53.39 2.75 0.00 | 41.11 2.13 0.00 | 35.79 1.83 0.00 | 31.53 1.67 0.00 |
| ASTORIA_GT_5 24106 | 44.61 1.82 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.50 1.36 0.00 | 32.41 1.32 0.00 | 31.97 1.30 0.00 | 37.90 1.49 0.00 | 35.35 1.70 0.00 | 34.84 1.86 0.00 | 36.91 2.15 0.00 | 33.39 2.05 0.00 | 31.08 2.02 0.00 | 28.85 1.90 0.00 | 27.56 1.87 0.00 | 24.85 1.62 0.00 | 21.96 1.48 0.00 | 24.64 1.58 0.00 | 26.34 1.73 0.00 | 34.71 2.10 0.00 | 45.99 2.41 0.01 | 53.34 2.71 0.01 | 41.05 2.08 0.01 | 35.72 1.76 0.00 | 31.50 1.64 0.00 |
| ASTORIA_GT_7 24107 | 44.61 1.82 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.50 1.36 0.00 | 32.41 1.32 0.00 | 31.97 1.30 0.00 | 37.90 1.49 0.00 | 35.35 1.70 0.00 | 34.84 1.86 0.00 | 36.91 2.15 0.00 | 33.39 2.05 0.00 | 31.08 2.02 0.00 | 28.85 1.90 0.00 | 27.56 1.87 0.00 | 24.85 1.62 0.00 | 21.96 1.48 0.00 | 24.64 1.58 0.00 | 26.34 1.73 0.00 | 34.71 2.10 0.00 | 45.99 2.41 0.01 | 53.34 2.71 0.01 | 41.05 2.08 0.01 | 35.72 1.76 0.00 | 31.50 1.64 0.00 |
| ASTORIA_GT_8 24108 | 44.61 1.82 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.50 1.36 0.00 | 32.41 1.32 0.00 | 31.97 1.30 0.00 | 37.90 1.49 0.00 | 35.35 1.70 0.00 | 34.84 1.86 0.00 | 36.91 2.15 0.00 | 33.39 2.05 0.00 | 31.08 2.02 0.00 | 28.85 1.90 0.00 | 27.56 1.87 0.00 | 24.85 1.62 0.00 | 21.96 1.48 0.00 | 24.64 1.58 0.00 | 26.34 1.73 0.00 | 34.71 2.10 0.00 | 45.99 2.41 0.01 | 53.34 2.71 0.01 | 41.05 2.08 0.01 | 35.72 1.76 0.00 | 31.50 1.64 0.00 |
| ASTORIA___2 24149 | 44.53 1.74 0.00 | 35.51 1.55 0.00 | 33.74 1.45 0.00 | 32.45 1.31 0.00 | 32.37 1.28 0.00 | 31.92 1.25 0.00 | 37.84 1.42 0.00 | 35.30 1.64 0.00 | 34.79 1.82 0.00 | 36.85 2.08 0.00 | 33.33 1.99 0.00 | 31.03 1.97 0.00 | 28.80 1.85 0.00 | 27.51 1.82 0.00 | 24.80 1.58 0.00 | 21.93 1.44 0.00 | 24.60 1.54 0.00 | 26.30 1.68 0.00 | 34.65 2.04 0.00 | 45.91 2.34 0.01 | 53.25 2.62 0.01 | 40.97 2.01 0.01 | 35.66 1.70 0.00 | 31.45 1.59 0.00 |
| ASTORIA___3 23516 | 44.67 1.88 0.00 | 35.63 1.67 0.00 | 33.85 1.56 0.00 | 32.58 1.44 0.00 | 32.49 1.40 0.00 | 32.05 1.39 0.00 | 37.99 1.57 0.00 | 35.40 1.74 0.00 | 34.89 1.92 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.16 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.45 1.83 0.00 | 34.81 2.19 0.00 | 46.08 2.50 0.00 | 53.40 2.76 0.00 | 41.11 2.13 0.00 | 35.78 1.82 0.00 | 31.53 1.67 0.00 |
| ASTORIA___4 23517 | 44.67 1.88 0.00 | 35.62 1.66 0.00 | 33.84 1.56 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.05 1.38 0.00 | 37.99 1.57 0.00 | 35.41 1.75 0.00 | 34.90 1.93 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.15 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.80 2.19 0.00 | 46.08 2.49 0.00 | 53.39 2.75 0.00 | 41.11 2.13 0.00 | 35.79 1.83 0.00 | 31.53 1.67 0.00 |
| ASTORIA___5 23518 | 44.67 1.88 0.00 | 35.63 1.67 0.00 | 33.85 1.56 0.00 | 32.58 1.44 0.00 | 32.49 1.40 0.00 | 32.05 1.39 0.00 | 37.99 1.57 0.00 | 35.40 1.74 0.00 | 34.89 1.92 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.16 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.45 1.83 0.00 | 34.81 2.19 0.00 | 46.08 2.49 0.00 | 53.40 2.76 0.00 | 41.11 2.13 0.00 | 35.78 1.82 0.00 | 31.53 1.67 0.00 |
| AST_ENERGY_2_CC3 323677 | 44.72 1.93 0.00 | 35.62 1.66 0.00 | 33.83 1.54 0.00 | 32.56 1.42 0.00 | 32.47 1.38 0.00 | 32.04 1.38 0.00 | 38.00 1.59 0.00 | 35.39 1.73 0.00 | 34.88 1.90 0.00 | 36.93 2.16 0.00 | 33.44 2.10 0.00 | 31.14 2.08 0.00 | 28.86 1.92 0.00 | 27.58 1.90 0.00 | 24.91 1.68 0.00 | 22.01 1.53 0.00 | 24.73 1.67 0.00 | 26.41 1.80 0.00 | 34.77 2.16 0.00 | 46.14 2.56 0.00 | 53.50 2.87 0.00 | 41.13 2.16 0.00 | 35.80 1.84 0.00 | 31.52 1.66 0.00 |
| AST_ENERGY_2_CC4 323678 | 44.72 1.93 0.00 | 35.62 1.66 0.00 | 33.83 1.54 0.00 | 32.56 1.42 0.00 | 32.47 1.38 0.00 | 32.04 1.38 0.00 | 38.00 1.59 0.00 | 35.39 1.73 0.00 | 34.88 1.90 0.00 | 36.93 2.16 0.00 | 33.44 2.10 0.00 | 31.14 2.08 0.00 | 28.86 1.92 0.00 | 27.58 1.90 0.00 | 24.91 1.68 0.00 | 22.01 1.53 0.00 | 24.73 1.67 0.00 | 26.41 1.80 0.00 | 34.77 2.16 0.00 | 46.14 2.56 0.00 | 53.50 2.87 0.00 | 41.13 2.16 0.00 | 35.80 1.84 0.00 | 31.52 1.66 0.00 |

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| ATHENS_STG_1 23668 | 44.04 1.25 0.00 | 35.05 1.09 0.00 | 33.30 1.02 0.00 | 32.09 0.95 0.00 | 32.01 0.92 0.00 | 31.59 0.92 0.00 | 37.47 1.06 0.00 | 34.77 1.11 0.00 | 34.14 1.17 0.00 | 36.02 1.25 0.00 | 32.51 1.17 0.00 | 30.22 1.16 0.00 | 27.97 1.03 0.00 | 26.67 0.98 0.00 | 24.12 0.89 0.00 | 21.32 0.83 0.00 | 23.98 0.91 0.00 | 25.64 1.03 0.00 | 33.88 1.27 0.00 | 45.14 1.56 0.00 | 52.41 1.77 0.00 | 40.31 1.33 0.00 | 35.08 1.12 0.00 | 30.88 1.02 0.00 |
| ATHENS_STG_2 23670 | 44.04 1.25 0.00 | 35.05 1.09 0.00 | 33.30 1.02 0.00 | 32.09 0.95 0.00 | 32.01 0.92 0.00 | 31.59 0.92 0.00 | 37.47 1.06 0.00 | 34.77 1.11 0.00 | 34.14 1.17 0.00 | 36.02 1.25 0.00 | 32.51 1.17 0.00 | 30.22 1.16 0.00 | 27.97 1.03 0.00 | 26.67 0.98 0.00 | 24.12 0.89 0.00 | 21.32 0.83 0.00 | 23.98 0.91 0.00 | 25.64 1.03 0.00 | 33.88 1.27 0.00 | 45.14 1.56 0.00 | 52.41 1.77 0.00 | 40.31 1.33 0.00 | 35.08 1.12 0.00 | 30.88 1.02 0.00 |
| ATHENS_STG_3 23677 | 44.04 1.25 0.00 | 35.05 1.09 0.00 | 33.30 1.02 0.00 | 32.09 0.95 0.00 | 32.01 0.92 0.00 | 31.59 0.92 0.00 | 37.47 1.06 0.00 | 34.77 1.11 0.00 | 34.14 1.17 0.00 | 36.02 1.25 0.00 | 32.51 1.17 0.00 | 30.22 1.16 0.00 | 27.97 1.03 0.00 | 26.67 0.98 0.00 | 24.12 0.89 0.00 | 21.32 0.83 0.00 | 23.98 0.91 0.00 | 25.64 1.03 0.00 | 33.88 1.27 0.00 | 45.14 1.56 0.00 | 52.41 1.77 0.00 | 40.31 1.33 0.00 | 35.08 1.12 0.00 | 30.88 1.02 0.00 |
| AUBURN___LFGE 323710 | 42.21 -0.58 0.00 | 33.41 -0.55 0.00 | 31.78 -0.51 0.00 | 30.64 -0.50 0.00 | 30.57 -0.52 0.00 | 30.18 -0.49 0.00 | 35.84 -0.57 0.00 | 33.03 -0.63 0.00 | 32.24 -0.73 0.00 | 33.93 -0.84 0.00 | 30.53 -0.81 0.00 | 28.00 -0.83 0.22 | 26.39 -0.56 0.00 | 25.18 -0.51 0.00 | 22.73 -0.50 0.00 | 19.16 -0.44 0.89 | 22.59 -0.48 0.00 | 24.16 -0.45 0.00 | 32.10 -0.51 0.00 | 43.18 -0.40 0.00 | 49.13 -0.36 1.15 | 38.54 -0.38 0.06 | 33.60 -0.36 0.00 | 29.54 -0.31 0.01 |
| BABYLON_RES_REC 323704 | 45.07 2.27 0.00 | 36.14 2.18 0.00 | 34.35 2.06 -0.01 | 33.08 1.93 0.00 | 32.95 1.87 0.00 | 32.55 1.88 0.00 | 38.44 2.02 0.00 | 35.41 1.75 0.00 | 37.05 2.17 -1.91 | 55.57 2.61 -18.20 | 48.06 2.47 -14.26 | 43.63 2.40 -12.17 | 32.59 2.20 -3.44 | 27.60 1.91 0.00 | 24.89 1.67 0.00 | 22.01 1.52 0.00 | 24.99 1.87 -0.05 | 37.85 2.06 -11.17 | 101.72 2.64 -66.46 | 97.45 3.16 -50.70 | 87.43 3.58 -33.21 | 75.23 2.72 -33.54 | 50.84 2.33 -14.55 | 47.91 2.14 -15.91 |
| BALL_HILL_WT_PWR 323825 | 40.30 -2.49 0.00 | 31.54 -2.42 0.00 | 30.13 -2.16 0.00 | 29.05 -2.09 0.00 | 28.91 -2.18 0.00 | 28.54 -2.13 0.00 | 33.94 -2.48 0.00 | 31.30 -2.36 0.00 | 30.86 -2.11 0.00 | 32.32 -2.44 0.00 | 29.57 -1.77 0.84 | 26.32 -1.89 0.00 | 25.12 -1.83 0.00 | 24.24 -1.44 0.00 | 21.76 -1.47 0.00 | 15.80 -1.33 3.36 | 21.77 -1.29 0.00 | 23.13 -1.48 0.00 | 30.13 -2.49 0.00 | 40.34 -3.25 0.00 | 42.71 -3.59 4.34 | 35.75 -2.99 0.23 | 31.50 -2.46 0.00 | 27.84 -1.99 0.03 |
| BARON_WINDS___WT_PWR 323822 | 40.54 -2.25 0.00 | 31.89 -2.07 0.00 | 30.49 -1.80 0.00 | 29.38 -1.76 0.00 | 29.28 -1.81 0.00 | 28.90 -1.77 0.00 | 34.29 -2.12 0.00 | 31.63 -2.03 0.00 | 31.06 -1.91 0.00 | 32.36 -2.41 0.00 | 29.19 -2.15 0.00 | 25.60 -2.20 1.25 | 25.02 -1.93 0.00 | 24.10 -1.59 0.00 | 21.55 -1.67 0.00 | 13.91 -1.56 5.02 | 21.56 -1.50 0.00 | 23.10 -1.51 0.00 | 30.48 -2.14 0.00 | 41.18 -2.40 0.00 | 41.50 -2.64 6.50 | 36.32 -2.30 0.35 | 32.01 -1.95 0.00 | 28.15 -1.67 0.04 |
| BARRETT_IC_1 23704 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_10 23701 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_11 23702 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_12 23703 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_2 23705 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_3 23706 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_4 23707 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_5 23708 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |

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|-----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BARRETT_IC_6 23709 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_7 23710 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.84 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.31 1.65 0.00 | 36.79 2.00 -1.82 | 54.36 2.25 -17.34 | 47.09 2.17 -13.59 | 42.85 2.20 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.90 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.62 2.34 -60.67 | 92.19 2.81 -45.80 | 83.15 3.09 -29.42 | 71.49 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_8 23711 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT_IC_9 23700 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT__1 23545 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BARRETT__2 23546 | 44.80 2.01 0.00 | 35.91 1.95 0.00 | 34.11 1.82 -0.01 | 32.85 1.70 0.00 | 32.73 1.64 0.00 | 32.33 1.66 0.00 | 38.22 1.80 0.00 | 35.30 1.64 0.00 | 36.80 2.00 -1.82 | 54.36 2.26 -17.34 | 47.10 2.17 -13.59 | 42.86 2.21 -11.60 | 32.31 2.09 -3.28 | 27.59 1.91 0.00 | 24.91 1.68 0.00 | 22.03 1.55 0.00 | 24.92 1.81 -0.05 | 36.84 1.94 -10.29 | 95.63 2.35 -60.67 | 92.19 2.81 -45.80 | 83.15 3.10 -29.42 | 71.50 2.35 -30.17 | 48.89 2.04 -12.89 | 46.84 1.89 -15.09 |
| BATAVIA__115KV_TB1 55881 | 41.13 -1.67 0.00 | 32.19 -1.77 0.00 | 30.69 -1.59 0.00 | 29.61 -1.53 0.00 | 29.51 -1.58 0.00 | 29.17 -1.50 0.00 | 34.71 -1.70 0.00 | 31.86 -1.80 0.00 | 31.28 -1.68 0.00 | 32.69 -2.08 0.00 | 29.62 -1.71 0.61 | 26.61 -1.84 0.00 | 25.19 -1.75 0.00 | 24.22 -1.47 0.00 | 21.83 -1.40 0.00 | 16.79 -1.26 2.44 | 21.83 -1.23 0.00 | 23.16 -1.45 0.00 | 30.34 -2.27 0.00 | 40.94 -2.64 0.00 | 44.81 -2.67 3.16 | 36.62 -2.19 0.17 | 32.23 -1.73 0.00 | 28.38 -1.46 0.02 |
| BAYONEEC__CTG1 323682 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC__CTG10 323750 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC__CTG2 323683 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC__CTG3 323684 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC__CTG4 323685 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC__CTG5 323686 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC__CTG6 323687 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC__CTG7 323688 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BAYONEEC___CTG8 323689 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BAYONEEC___CTG9 323749 | 44.79 1.99 0.00 | 35.67 1.71 0.00 | 33.87 1.59 0.00 | 32.61 1.46 0.00 | 32.52 1.43 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.45 1.79 0.00 | 34.93 1.96 0.00 | 36.99 2.22 0.00 | 33.49 2.15 0.00 | 31.18 2.12 0.00 | 28.91 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.71 0.00 | 22.04 1.56 0.00 | 24.77 1.71 0.00 | 26.44 1.83 0.00 | 34.84 2.22 0.00 | 46.20 2.62 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.85 1.89 0.00 | 31.57 1.71 0.00 |
| BEACON___LESR 323632 | 43.91 1.12 0.00 | 35.00 1.04 0.00 | 33.25 0.96 0.00 | 32.08 0.94 0.00 | 32.01 0.92 0.00 | 31.56 0.89 0.00 | 37.45 1.03 0.00 | 34.68 1.02 0.00 | 33.95 0.98 0.00 | 35.69 0.93 0.00 | 32.10 0.76 0.00 | 29.79 0.74 0.00 | 27.61 0.66 0.00 | 26.28 0.59 0.00 | 23.78 0.55 0.00 | 21.04 0.56 0.00 | 23.75 0.69 0.00 | 25.49 0.87 0.00 | 33.76 1.14 0.00 | 45.03 1.45 0.00 | 52.28 1.65 0.00 | 40.25 1.27 0.00 | 35.05 1.08 0.00 | 30.81 0.95 0.00 |
| BEAVER RIVER___HYD 24048 | 41.88 -0.91 0.00 | 33.15 -0.80 0.00 | 31.48 -0.80 0.00 | 30.48 -0.67 0.00 | 30.51 -0.58 0.00 | 30.12 -0.54 0.00 | 35.72 -0.69 0.00 | 32.65 -1.01 0.00 | 31.34 -1.63 0.00 | 32.72 -2.05 0.00 | 29.36 -1.98 0.00 | 27.19 -1.86 0.00 | 25.26 -1.68 0.00 | 24.07 -1.62 0.00 | 21.70 -1.52 0.00 | 19.12 -1.37 0.00 | 21.50 -1.57 0.00 | 22.97 -1.65 0.00 | 30.92 -1.69 0.00 | 42.22 -1.37 0.00 | 49.75 -0.89 0.00 | 38.08 -0.90 0.00 | 33.22 -0.74 0.00 | 29.15 -0.71 0.00 |
| BEEBEE_GT_13 23619 | 41.65 -1.14 0.00 | 32.76 -1.20 0.00 | 31.18 -1.11 0.00 | 30.08 -1.07 0.00 | 29.97 -1.12 0.00 | 29.60 -1.07 0.00 | 35.19 -1.23 0.00 | 32.40 -1.26 0.00 | 31.79 -1.18 0.00 | 33.44 -1.32 0.00 | 30.27 -1.07 0.00 | 27.48 -1.16 0.42 | 25.90 -1.04 0.00 | 24.82 -0.87 0.00 | 22.38 -0.84 0.00 | 18.04 -0.75 1.69 | 22.36 -0.70 0.00 | 23.81 -0.80 0.00 | 31.36 -1.25 0.00 | 42.05 -1.53 0.00 | 46.81 -1.64 2.19 | 37.49 -1.37 0.12 | 32.80 -1.16 0.00 | 28.83 -1.02 0.01 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 45.14 2.35 0.00 | 35.95 2.00 0.00 | 34.14 1.85 0.00 | 32.84 1.70 0.00 | 32.74 1.65 0.00 | 32.30 1.64 0.00 | 38.33 1.91 0.00 | 35.73 2.07 0.00 | 35.21 2.23 0.00 | 37.31 2.55 0.00 | 33.80 2.46 0.00 | 31.44 2.38 0.00 | 29.17 2.23 0.00 | 27.85 2.17 0.00 | 25.14 1.92 0.00 | 22.21 1.73 0.00 | 24.96 1.90 0.00 | 26.65 2.04 0.00 | 35.10 2.49 0.00 | 46.57 2.99 0.00 | 54.04 3.40 0.00 | 41.59 2.61 0.00 | 36.18 2.21 0.00 | 31.85 2.00 0.00 |
| BETHLEHEM___GRP 23843 | 43.22 0.43 0.00 | 34.48 0.52 0.00 | 32.78 0.49 0.00 | 31.62 0.48 0.00 | 31.56 0.47 0.00 | 31.11 0.44 0.00 | 36.91 0.49 0.00 | 34.18 0.52 0.00 | 33.48 0.51 0.00 | 35.24 0.47 0.00 | 31.74 0.41 0.00 | 29.50 0.44 0.00 | 27.35 0.40 0.00 | 26.04 0.35 0.00 | 23.56 0.34 0.00 | 20.84 0.35 0.00 | 23.49 0.42 0.00 | 25.13 0.52 0.00 | 33.24 0.63 0.00 | 44.30 0.72 0.00 | 51.40 0.77 0.00 | 39.62 0.64 0.00 | 34.51 0.55 0.00 | 30.39 0.53 0.00 |
| BETHLEHEM___GS1 323560 | 43.23 0.43 0.00 | 34.48 0.52 0.00 | 32.78 0.49 0.00 | 31.62 0.48 0.00 | 31.56 0.47 0.00 | 31.11 0.44 0.00 | 36.91 0.49 0.00 | 34.18 0.52 0.00 | 33.48 0.50 0.00 | 35.24 0.47 0.00 | 31.75 0.41 0.00 | 29.50 0.44 0.00 | 27.35 0.40 0.00 | 26.04 0.35 0.00 | 23.56 0.34 0.00 | 20.84 0.35 0.00 | 23.49 0.42 0.00 | 25.13 0.52 0.00 | 33.24 0.63 0.00 | 44.30 0.71 0.00 | 51.41 0.77 0.00 | 39.62 0.64 0.00 | 34.53 0.57 0.00 | 30.39 0.53 0.00 |
| BETHLEHEM___GS2 323561 | 43.23 0.43 0.00 | 34.48 0.52 0.00 | 32.78 0.49 0.00 | 31.62 0.48 0.00 | 31.56 0.47 0.00 | 31.11 0.44 0.00 | 36.91 0.49 0.00 | 34.18 0.52 0.00 | 33.48 0.50 0.00 | 35.24 0.47 0.00 | 31.75 0.41 0.00 | 29.50 0.44 0.00 | 27.35 0.40 0.00 | 26.04 0.35 0.00 | 23.56 0.34 0.00 | 20.84 0.35 0.00 | 23.49 0.42 0.00 | 25.13 0.52 0.00 | 33.24 0.63 0.00 | 44.30 0.71 0.00 | 51.41 0.77 0.00 | 39.62 0.64 0.00 | 34.53 0.57 0.00 | 30.39 0.53 0.00 |
| BETHLEHEM___GS3 323562 | 43.23 0.43 0.00 | 34.48 0.52 0.00 | 32.78 0.49 0.00 | 31.62 0.48 0.00 | 31.56 0.47 0.00 | 31.11 0.44 0.00 | 36.91 0.49 0.00 | 34.18 0.52 0.00 | 33.48 0.50 0.00 | 35.24 0.47 0.00 | 31.75 0.41 0.00 | 29.50 0.44 0.00 | 27.35 0.40 0.00 | 26.04 0.35 0.00 | 23.56 0.34 0.00 | 20.84 0.35 0.00 | 23.49 0.42 0.00 | 25.13 0.52 0.00 | 33.24 0.63 0.00 | 44.30 0.71 0.00 | 51.41 0.77 0.00 | 39.62 0.64 0.00 | 34.53 0.57 0.00 | 30.39 0.53 0.00 |
| BETHLEHEM___STEEL 23779 | 40.16 -2.63 0.00 | 31.40 -2.56 0.00 | 29.97 -2.32 0.00 | 28.91 -2.23 0.00 | 28.79 -2.30 0.00 | 28.43 -2.24 0.00 | 33.84 -2.58 0.00 | 31.14 -2.51 0.00 | 30.74 -2.23 0.00 | 32.22 -2.55 0.00 | 29.44 -1.89 0.00 | 26.24 -2.01 0.81 | 25.01 -1.94 0.00 | 24.12 -1.56 0.00 | 21.69 -1.53 0.00 | 15.84 -1.39 3.26 | 21.68 -1.39 0.00 | 23.00 -1.62 0.00 | 29.93 -2.69 0.00 | 40.00 -3.58 0.00 | 42.48 -3.94 4.22 | 35.57 -3.18 0.23 | 31.40 -2.56 0.00 | 27.69 -2.14 0.03 |
| BETHLHEM_115KV_TB1 79974 | 43.33 0.55 0.00 | 34.55 0.59 0.00 | 32.84 0.55 0.00 | 31.68 0.54 0.00 | 31.61 0.52 0.00 | 31.17 0.50 0.00 | 36.98 0.56 0.00 | 34.25 0.59 0.00 | 33.54 0.57 0.00 | 35.32 0.55 0.00 | 31.82 0.49 0.00 | 29.56 0.50 0.00 | 27.40 0.46 0.00 | 26.09 0.40 0.00 | 23.61 0.39 0.00 | 20.88 0.40 0.00 | 23.53 0.47 0.00 | 25.17 0.56 0.00 | 33.30 0.68 0.00 | 44.40 0.81 0.00 | 51.52 0.88 0.00 | 39.69 0.72 0.00 | 34.58 0.61 0.00 | 30.45 0.59 0.00 |
| BETHPAGE_CC_5 323564 | 45.17 2.38 0.00 | 36.18 2.22 0.00 | 34.38 2.09 -0.01 | 33.10 1.96 0.00 | 32.98 1.89 0.00 | 32.58 1.91 0.00 | 38.49 2.08 0.00 | 35.52 1.86 0.00 | 37.23 2.24 -2.02 | 56.65 2.70 -19.19 | 48.93 2.55 -15.04 | 44.39 2.51 -12.83 | 32.88 2.31 -3.63 | 27.72 2.04 0.00 | 25.01 1.78 0.00 | 22.11 1.62 0.00 | 25.03 1.92 -0.05 | 38.15 2.11 -11.43 | 102.68 2.66 -67.41 | 97.66 3.20 -50.88 | 86.91 3.58 -32.69 | 75.21 2.71 -33.52 | 50.65 2.36 -14.33 | 48.81 2.18 -16.77 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 40.21 -2.58 0.00 | 31.43 -2.53 0.00 | 30.01 -2.28 0.00 | 28.94 -2.20 0.00 | 28.82 -2.27 0.00 | 28.46 -2.21 0.00 | 33.88 -2.54 0.00 | 31.18 -2.47 0.00 | 30.78 -2.19 0.00 | 32.26 -2.51 0.00 | 29.48 -1.86 0.00 | 26.26 -1.97 0.83 | 25.04 -1.90 0.00 | 24.16 -1.53 0.00 | 21.72 -1.51 0.00 | 15.80 -1.36 3.32 | 21.70 -1.36 0.00 | 23.03 -1.58 0.00 | 29.98 -2.64 0.00 | 40.08 -3.50 0.00 | 42.50 -3.85 4.29 | 35.62 -3.12 0.23 | 31.44 -2.52 0.00 | 27.72 -2.11 0.03 |
| BINGHAMTON___COGEN 23790 | 41.94 -0.85 0.00 | 33.17 -0.79 0.00 | 31.55 -0.73 0.00 | 30.42 -0.72 0.00 | 30.36 -0.73 0.00 | 29.95 -0.71 0.00 | 35.58 -0.84 0.00 | 32.83 -0.83 0.00 | 32.11 -0.86 0.00 | 33.73 -1.03 0.00 | 30.39 -0.94 0.00 | 28.92 -0.89 -0.75 | 26.80 -0.14 0.00 | 25.60 -0.09 0.00 | 23.10 -0.12 0.00 | 23.43 -0.09 -3.03 | 22.99 -0.08 0.00 | 24.59 -0.02 0.00 | 32.58 -0.03 0.00 | 43.65 0.07 0.00 | 54.67 0.11 -3.92 | 39.17 -0.02 -0.21 | 33.91 -0.06 0.00 | 29.86 -0.03 -0.03 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BIXINCNT_115KV_LOAD 355685 | 40.52 -2.27 0.00 | 31.72 -2.23 0.00 | 30.30 -1.98 0.00 | 29.19 -1.95 0.00 | 29.08 -2.01 0.00 | 28.69 -1.98 0.00 | 34.14 -2.28 0.00 | 31.48 -2.18 0.00 | 31.04 -1.93 0.00 | 32.66 -2.11 0.00 | 29.80 -1.54 0.00 | 26.50 -1.66 0.89 | 25.32 -1.63 0.00 | 24.39 -1.29 0.00 | 21.85 -1.38 0.00 | 15.66 -1.24 3.58 | 21.83 -1.23 0.00 | 23.20 -1.41 0.00 | 30.23 -2.39 0.00 | 40.53 -3.06 0.00 | 42.69 -3.32 4.63 | 35.97 -2.76 0.25 | 31.73 -2.23 0.00 | 27.96 -1.87 0.03 |
| BLACK RIVER___HYD 24047 | 41.84 -0.95 0.00 | 33.09 -0.87 0.00 | 31.41 -0.87 0.00 | 30.44 -0.70 0.00 | 30.51 -0.58 0.00 | 30.11 -0.56 0.00 | 35.63 -0.78 0.00 | 32.40 -1.26 0.00 | 30.78 -2.19 0.00 | 32.10 -2.67 0.00 | 28.84 -2.50 0.00 | 26.72 -2.33 0.00 | 24.85 -2.10 0.00 | 23.68 -2.01 0.00 | 21.35 -1.88 0.00 | 18.83 -1.65 0.00 | 21.14 -1.93 0.00 | 22.56 -2.06 0.00 | 30.48 -2.13 0.00 | 42.04 -1.54 0.00 | 49.96 -0.68 0.00 | 38.08 -0.90 0.00 | 33.26 -0.71 0.00 | 29.18 -0.67 0.00 |
| BLACKRVR_115KV_TB2 79977 | 41.84 -0.95 0.00 | 33.09 -0.87 0.00 | 31.41 -0.87 0.00 | 30.44 -0.70 0.00 | 30.51 -0.58 0.00 | 30.11 -0.56 0.00 | 35.63 -0.78 0.00 | 32.40 -1.26 0.00 | 30.78 -2.19 0.00 | 32.10 -2.67 0.00 | 28.84 -2.50 0.00 | 26.72 -2.33 0.00 | 24.85 -2.10 0.00 | 23.68 -2.01 0.00 | 21.35 -1.88 0.00 | 18.83 -1.65 0.00 | 21.13 -1.93 0.00 | 22.55 -2.07 0.00 | 30.48 -2.13 0.00 | 42.04 -1.55 0.00 | 49.96 -0.68 0.00 | 38.08 -0.90 0.00 | 33.26 -0.70 0.00 | 29.18 -0.67 0.00 |
| BLDWN_LI_69_KV_BK4 356085 | 45.21 2.42 0.00 | 36.18 2.22 0.00 | 34.38 2.08 -0.01 | 33.09 1.95 0.00 | 32.97 1.89 0.00 | 32.57 1.90 0.00 | 38.51 2.09 0.00 | 35.57 1.91 0.00 | 37.47 2.27 -2.23 | 58.67 2.68 -21.23 | 50.52 2.55 -16.63 | 45.77 2.52 -14.20 | 33.29 2.33 -4.02 | 27.77 2.09 0.00 | 25.05 1.83 0.00 | 22.14 1.65 0.00 | 25.09 1.97 -0.06 | 39.40 2.15 -12.63 | 109.83 2.69 -74.52 | 103.12 3.28 -56.25 | 90.44 3.66 -36.14 | 78.81 2.77 -37.06 | 52.18 2.38 -15.84 | 50.59 2.19 -18.54 |
| BLISS_WT_PWR 323608 | 40.54 -2.25 0.00 | 31.73 -2.23 0.00 | 30.33 -1.96 0.00 | 29.19 -1.95 0.00 | 29.10 -1.99 0.00 | 28.71 -1.96 0.00 | 34.17 -2.24 0.00 | 31.51 -2.15 0.00 | 31.05 -1.92 0.00 | 32.68 -2.09 0.00 | 29.82 -1.51 0.00 | 26.52 -1.64 0.89 | 25.34 -1.61 0.00 | 24.41 -1.28 0.00 | 21.85 -1.37 0.00 | 15.66 -1.25 3.58 | 21.84 -1.23 0.00 | 23.21 -1.41 0.00 | 30.23 -2.38 0.00 | 40.53 -3.05 0.00 | 42.66 -3.34 4.63 | 35.95 -2.77 0.25 | 31.71 -2.26 0.00 | 27.96 -1.87 0.03 |
| BLUESTONE___WT_PWR 323821 | 44.52 1.73 0.00 | 35.32 1.36 0.00 | 33.54 1.26 0.00 | 32.28 1.14 0.00 | 32.35 1.26 0.00 | 31.95 1.28 0.00 | 37.96 1.54 0.00 | 34.98 1.32 0.00 | 34.03 1.06 0.00 | 35.61 0.85 0.00 | 31.91 0.57 0.00 | 29.81 0.45 -0.30 | 27.48 0.53 0.00 | 26.20 0.52 0.00 | 23.61 0.39 0.00 | 22.10 0.40 -1.22 | 23.56 0.50 0.00 | 25.45 0.84 0.00 | 34.05 1.44 0.00 | 45.94 2.36 0.00 | 55.02 2.81 -1.58 | 40.66 1.60 -0.08 | 35.05 1.09 0.00 | 31.07 1.20 -0.01 |
| BLUE_CIRC_CHEM_DRP 24182 | 43.83 1.04 0.00 | 34.89 0.94 0.00 | 33.16 0.88 0.00 | 32.00 0.86 0.00 | 31.92 0.83 0.00 | 31.48 0.80 0.00 | 37.35 0.93 0.00 | 34.52 0.86 0.00 | 33.76 0.79 0.00 | 35.49 0.72 0.00 | 31.93 0.59 0.00 | 29.65 0.59 0.00 | 27.47 0.52 0.00 | 26.16 0.47 0.00 | 23.67 0.44 0.00 | 20.93 0.44 0.00 | 23.59 0.53 0.00 | 25.28 0.66 0.00 | 33.54 0.93 0.00 | 44.82 1.23 0.00 | 52.03 1.39 0.00 | 40.06 1.08 0.00 | 34.90 0.94 0.00 | 30.73 0.87 0.00 |
| BOC_GAS_DRP 24189 | 43.59 0.80 0.00 | 34.71 0.75 0.00 | 32.99 0.70 0.00 | 31.81 0.66 0.00 | 31.75 0.66 0.00 | 31.30 0.63 0.00 | 37.15 0.73 0.00 | 34.41 0.75 0.00 | 33.73 0.76 0.00 | 35.55 0.78 0.00 | 32.05 0.71 0.00 | 29.78 0.72 0.00 | 27.58 0.63 0.00 | 26.28 0.59 0.00 | 23.77 0.55 0.00 | 21.01 0.53 0.00 | 23.65 0.59 0.00 | 25.29 0.67 0.00 | 33.44 0.82 0.00 | 44.60 1.01 0.00 | 51.76 1.13 0.00 | 39.86 0.88 0.00 | 34.72 0.76 0.00 | 30.57 0.71 0.00 |
| BOONVILLE_115KV_TB1 79983 | 43.18 0.39 0.00 | 34.19 0.23 0.00 | 32.47 0.19 0.00 | 31.40 0.25 0.00 | 31.38 0.29 0.00 | 30.98 0.31 0.00 | 36.78 0.36 0.00 | 33.77 0.11 0.00 | 32.65 -0.33 0.00 | 34.13 -0.64 0.00 | 30.61 -0.73 0.00 | 28.35 -0.70 0.00 | 26.35 -0.60 0.00 | 25.12 -0.57 0.00 | 22.66 -0.56 0.00 | 19.97 -0.51 0.00 | 22.52 -0.54 0.00 | 24.14 -0.48 0.00 | 32.43 -0.19 0.00 | 43.98 0.40 0.00 | 51.44 0.80 0.00 | 39.41 0.43 0.00 | 34.32 0.36 0.00 | 30.13 0.27 0.00 |
| BORALEX_4TH_BRANCH 23824 | 44.89 2.10 0.00 | 35.66 1.70 0.00 | 33.91 1.62 0.00 | 32.85 1.70 0.00 | 32.80 1.71 0.00 | 32.18 1.52 0.00 | 38.15 1.73 0.00 | 35.33 1.67 0.00 | 34.59 1.62 0.00 | 36.35 1.59 0.00 | 32.77 1.44 0.00 | 30.46 1.40 0.00 | 28.21 1.27 0.00 | 26.78 1.10 0.00 | 24.19 0.96 0.00 | 21.38 0.89 0.00 | 24.15 1.09 0.00 | 25.87 1.25 0.00 | 34.16 1.55 0.00 | 45.70 2.11 0.00 | 53.03 2.39 0.00 | 40.84 1.87 0.00 | 35.71 1.75 0.00 | 31.45 1.59 0.00 |
| BOWLINE___1 23526 | 44.51 1.72 0.00 | 35.43 1.47 0.00 | 33.66 1.37 0.00 | 32.39 1.25 0.00 | 32.31 1.22 0.00 | 31.88 1.22 0.00 | 37.84 1.42 0.00 | 35.20 1.54 0.00 | 34.64 1.67 0.00 | 36.63 1.87 0.00 | 33.15 1.81 0.00 | 30.94 1.79 -0.09 | 28.57 1.62 0.00 | 27.28 1.59 0.00 | 24.62 1.40 0.00 | 22.13 1.28 -0.36 | 24.49 1.43 0.00 | 26.16 1.54 0.00 | 34.50 1.89 0.00 | 45.88 2.30 0.00 | 53.71 2.60 -0.47 | 40.92 1.92 -0.02 | 35.55 1.59 0.00 | 31.32 1.46 0.00 |
| BOWLINE___2 23595 | 44.51 1.72 0.00 | 35.43 1.47 0.00 | 33.66 1.37 0.00 | 32.39 1.25 0.00 | 32.31 1.22 0.00 | 31.88 1.22 0.00 | 37.84 1.42 0.00 | 35.20 1.54 0.00 | 34.64 1.67 0.00 | 36.63 1.87 0.00 | 33.15 1.81 0.00 | 30.94 1.79 -0.09 | 28.57 1.62 0.00 | 27.27 1.59 0.00 | 24.62 1.40 0.00 | 22.13 1.28 -0.36 | 24.49 1.43 0.00 | 26.16 1.54 0.00 | 34.50 1.89 0.00 | 45.88 2.29 0.00 | 53.71 2.60 -0.47 | 40.92 1.92 -0.02 | 35.55 1.59 0.00 | 31.32 1.46 0.00 |
| BRADY___115KV_TB2 356060 | 43.06 0.27 0.00 | 34.14 0.18 0.00 | 32.45 0.17 0.00 | 31.33 0.18 0.00 | 31.32 0.23 0.00 | 30.90 0.23 0.00 | 36.73 0.32 0.00 | 33.74 0.08 0.00 | 32.82 -0.15 0.00 | 34.45 -0.32 0.00 | 30.99 -0.34 0.00 | 28.71 -0.36 0.00 | 26.58 -0.37 0.00 | 25.31 -0.38 0.00 | 22.89 -0.33 0.00 | 20.13 -0.35 0.00 | 22.68 -0.39 0.00 | 24.23 -0.39 0.00 | 32.24 -0.38 0.00 | 43.40 -0.18 0.00 | 50.71 0.07 0.00 | 39.14 0.16 0.00 | 34.14 0.18 0.00 | 29.91 0.05 0.00 |
| BRANSCOMB___SOLAR 323811 | 44.68 1.89 0.00 | 35.48 1.52 0.00 | 33.73 1.45 0.00 | 32.51 1.37 0.00 | 32.46 1.37 0.00 | 32.04 1.37 0.00 | 38.00 1.58 0.00 | 35.11 1.45 0.00 | 34.21 1.24 0.00 | 35.77 1.01 0.00 | 32.09 0.75 0.00 | 29.80 0.74 0.00 | 27.59 0.65 0.00 | 26.23 0.54 0.00 | 23.70 0.48 0.00 | 21.00 0.52 0.00 | 23.75 0.69 0.00 | 25.59 0.97 0.00 | 34.12 1.51 0.00 | 45.78 2.19 0.00 | 53.17 2.53 0.00 | 40.82 1.84 0.00 | 35.55 1.59 0.00 | 31.23 1.37 0.00 |
| BRDGHMPT_69_KV_BK1 55812 | 45.81 3.02 0.00 | 36.86 2.90 0.00 | 35.12 2.83 -0.01 | 33.91 2.76 0.00 | 33.76 2.67 0.00 | 33.36 2.70 0.00 | 39.20 2.78 0.00 | 35.57 1.91 0.00 | 37.09 2.40 -1.72 | 53.84 2.69 -16.40 | 46.29 2.11 -12.85 | 41.36 1.98 -10.32 | 31.92 1.88 -3.10 | 27.29 1.60 0.00 | 24.77 1.54 0.00 | 21.92 1.44 0.00 | 25.42 2.31 -0.04 | 38.90 2.67 -11.62 | 107.61 3.33 -71.68 | 104.56 3.93 -57.04 | 95.79 4.95 -40.20 | 81.13 3.83 -38.33 | 54.70 3.17 -17.57 | 46.90 2.71 -14.33 |

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| BRENTWOD_69_KV_W. BRTWOOD 56703 | 45.13 2.33 0.00 | 36.23 2.28 0.00 | 34.45 2.15 -0.01 | 33.19 2.04 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.53 2.12 0.00 | 35.44 1.79 0.00 | 36.94 2.21 -1.76 | 54.13 2.64 -16.72 | 46.90 2.47 -13.10 | 42.66 2.42 -11.18 | 32.35 2.24 -3.16 | 27.62 1.93 0.00 | 24.92 1.70 0.00 | 22.03 1.54 0.00 | 25.06 1.95 -0.05 | 38.40 2.14 -11.65 | 106.89 2.72 -71.56 | 103.42 3.15 -56.69 | 93.86 3.56 -39.66 | 79.76 2.76 -38.03 | 53.70 2.41 -17.33 | 46.69 2.21 -14.62 |
| BRISTLHL_115KV_TB1 79998 | 41.19 -1.61 0.00 | 32.63 -1.33 0.00 | 31.03 -1.26 0.00 | 29.94 -1.20 0.00 | 29.88 -1.21 0.00 | 29.49 -1.17 0.00 | 35.00 -1.41 0.00 | 32.32 -1.34 0.00 | 31.62 -1.36 0.00 | 33.40 -1.36 0.00 | 30.11 -1.23 0.00 | 27.88 -1.17 0.00 | 25.97 -0.98 0.00 | 24.77 -0.92 0.00 | 22.38 -0.84 0.00 | 19.75 -0.73 0.00 | 22.22 -0.85 0.00 | 23.68 -0.93 0.00 | 31.37 -1.24 0.00 | 42.04 -1.54 0.00 | 48.91 -1.73 0.00 | 37.61 -1.37 0.00 | 32.74 -1.22 0.00 | 28.78 -1.08 0.00 |
| BROOKHAVEN__DRP 24191 | 44.81 2.02 0.00 | 36.08 2.12 0.00 | 34.36 2.07 -0.01 | 33.16 2.02 0.00 | 33.01 1.92 0.00 | 32.62 1.95 0.00 | 38.44 2.02 0.00 | 35.11 1.45 0.00 | 36.68 1.98 -1.72 | 53.46 2.31 -16.38 | 46.11 1.93 -12.84 | 41.29 1.89 -10.35 | 31.84 1.80 -3.10 | 27.17 1.49 0.00 | 24.61 1.38 0.00 | 21.77 1.28 0.00 | 25.04 1.94 -0.04 | 38.39 2.14 -11.64 | 107.12 2.69 -71.81 | 103.79 3.02 -57.19 | 94.70 3.72 -40.33 | 80.27 2.87 -38.43 | 53.99 2.40 -17.63 | 46.29 2.11 -14.32 |
| BROOKLYN_NAVY_YARD 23515 | 44.65 1.86 0.00 | 35.54 1.59 0.00 | 33.76 1.47 0.00 | 32.49 1.35 0.00 | 32.40 1.31 0.00 | 31.98 1.31 0.00 | 37.93 1.51 0.00 | 35.35 1.69 0.00 | 34.82 1.85 0.00 | 36.86 2.10 0.00 | 33.40 2.06 0.00 | 31.10 2.03 0.00 | 28.83 1.88 0.00 | 27.57 1.88 0.00 | 24.87 1.65 0.00 | 21.99 1.51 0.00 | 24.69 1.63 0.00 | 26.37 1.75 0.00 | 34.73 2.12 0.00 | 46.06 2.48 0.00 | 53.44 2.80 0.00 | 41.10 2.12 0.00 | 35.78 1.82 0.00 | 31.49 1.63 0.00 |
| BROOKLYN__ARMY_DRP 323595 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 34.00 1.71 0.00 | 32.71 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.93 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.30 0.00 | 31.30 2.24 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.52 1.91 0.00 | 34.94 2.32 0.00 | 46.33 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| BROOME_2_LFGE 323671 | 41.94 -0.85 0.00 | 33.17 -0.79 0.00 | 31.56 -0.73 0.00 | 30.43 -0.72 0.00 | 30.36 -0.73 0.00 | 29.95 -0.71 0.00 | 35.58 -0.84 0.00 | 32.84 -0.82 0.00 | 32.11 -0.86 0.00 | 33.74 -1.03 0.00 | 30.39 -0.95 0.00 | 28.92 -0.89 -0.75 | 26.81 -0.14 0.00 | 25.60 -0.09 0.00 | 23.10 -0.12 0.00 | 23.43 -0.08 -3.03 | 22.99 -0.08 0.00 | 24.59 -0.02 0.00 | 32.58 -0.03 0.00 | 43.65 0.07 0.00 | 54.67 0.12 -3.92 | 39.17 -0.02 -0.21 | 33.91 -0.06 0.00 | 29.86 -0.03 -0.03 |
| BROOME__LFGE 323600 | 41.94 -0.85 0.00 | 33.17 -0.79 0.00 | 31.56 -0.73 0.00 | 30.43 -0.72 0.00 | 30.36 -0.73 0.00 | 29.95 -0.71 0.00 | 35.58 -0.84 0.00 | 32.84 -0.82 0.00 | 32.11 -0.86 0.00 | 33.74 -1.03 0.00 | 30.39 -0.95 0.00 | 28.92 -0.89 -0.75 | 26.81 -0.14 0.00 | 25.60 -0.09 0.00 | 23.10 -0.12 0.00 | 23.43 -0.08 -3.03 | 22.99 -0.08 0.00 | 24.59 -0.02 0.00 | 32.58 -0.03 0.00 | 43.65 0.07 0.00 | 54.67 0.12 -3.92 | 39.17 -0.02 -0.21 | 33.91 -0.06 0.00 | 29.86 -0.03 -0.03 |
| BROWNFLS_115KV_TB_3_5 80003 | 41.57 -1.23 0.00 | 32.92 -1.04 0.00 | 31.28 -1.01 0.00 | 30.25 -0.89 0.00 | 30.27 -0.82 0.00 | 29.87 -0.79 0.00 | 35.47 -0.95 0.00 | 32.50 -1.16 0.00 | 31.40 -1.57 0.00 | 32.87 -1.89 0.00 | 29.52 -1.82 0.00 | 27.34 -1.72 0.00 | 25.35 -1.59 0.00 | 24.15 -1.54 0.00 | 21.80 -1.42 0.00 | 19.19 -1.29 0.00 | 21.59 -1.47 0.00 | 23.08 -1.54 0.00 | 30.92 -1.69 0.00 | 41.94 -1.65 0.00 | 49.19 -1.45 0.00 | 37.78 -1.19 0.00 | 32.96 -1.00 0.00 | 28.91 -0.95 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 45.12 2.33 0.00 | 35.92 1.96 0.00 | 34.11 1.83 0.00 | 32.81 1.67 0.00 | 32.72 1.64 0.00 | 32.29 1.63 0.00 | 38.30 1.88 0.00 | 35.69 2.03 0.00 | 35.17 2.20 0.00 | 37.26 2.49 0.00 | 33.74 2.41 0.00 | 31.41 2.35 0.00 | 29.12 2.17 0.00 | 27.82 2.13 0.00 | 25.10 1.88 0.00 | 22.19 1.71 0.00 | 24.94 1.88 0.00 | 26.64 2.02 0.00 | 35.09 2.48 0.00 | 46.58 2.99 0.00 | 54.03 3.39 0.00 | 41.53 2.55 0.00 | 36.13 2.17 0.00 | 31.79 1.93 0.00 |
| BURROWS__LYONSDAL 23803 | 42.90 0.11 0.00 | 33.96 0.00 0.00 | 32.27 -0.02 0.00 | 31.21 0.06 0.00 | 31.20 0.11 0.00 | 30.79 0.13 0.00 | 36.56 0.14 0.00 | 33.54 -0.12 0.00 | 32.38 -0.59 0.00 | 33.82 -0.94 0.00 | 30.33 -1.00 0.00 | 28.10 -0.96 0.00 | 26.11 -0.84 0.00 | 24.88 -0.80 0.00 | 22.44 -0.78 0.00 | 19.77 -0.71 0.00 | 22.29 -0.78 0.00 | 23.87 -0.75 0.00 | 32.08 -0.54 0.00 | 43.59 0.00 0.00 | 51.03 0.39 0.00 | 39.10 0.12 0.00 | 34.06 0.10 0.00 | 29.90 0.04 0.00 |
| CAITHNESS_CC_1 323624 | 44.77 1.98 0.00 | 36.04 2.08 0.00 | 34.30 2.01 -0.01 | 33.10 1.95 0.00 | 32.95 1.86 0.00 | 32.56 1.89 0.00 | 38.37 1.96 0.00 | 35.10 1.44 0.00 | 36.66 1.96 -1.72 | 53.44 2.30 -16.38 | 46.15 1.98 -12.83 | 41.34 1.94 -10.34 | 31.90 1.85 -3.10 | 27.23 1.54 0.00 | 24.64 1.41 0.00 | 21.79 1.31 0.00 | 25.00 1.89 -0.04 | 38.36 2.09 -11.65 | 107.16 2.61 -71.93 | 103.84 2.95 -57.31 | 94.66 3.57 -40.45 | 80.24 2.75 -38.52 | 53.94 2.30 -17.67 | 46.22 2.04 -14.32 |
| CALPINE BETH_PAGE_GT4 24209 | 45.20 2.41 0.00 | 36.20 2.24 0.00 | 34.40 2.10 -0.01 | 33.11 1.97 0.00 | 32.99 1.90 0.00 | 32.59 1.92 0.00 | 38.52 2.10 0.00 | 35.56 1.91 0.00 | 37.37 2.27 -2.13 | 57.76 2.72 -20.28 | 49.80 2.58 -15.89 | 45.14 2.53 -13.56 | 33.11 2.33 -3.83 | 27.75 2.06 0.00 | 25.02 1.80 0.00 | 22.12 1.63 0.00 | 25.00 1.89 -0.06 | 38.76 2.07 -12.08 | 106.46 2.62 -71.23 | 100.50 3.15 -53.76 | 88.68 3.51 -34.54 | 77.07 2.67 -35.42 | 51.49 2.39 -15.14 | 49.77 2.19 -17.72 |
| CALPINE_BETH_PAGE_GT_4 323586 | 45.21 2.42 0.00 | 36.21 2.25 0.00 | 34.40 2.10 -0.01 | 33.11 1.97 0.00 | 32.99 1.90 0.00 | 32.59 1.92 0.00 | 38.52 2.10 0.00 | 35.55 1.89 0.00 | 37.38 2.28 -2.13 | 57.76 2.72 -20.28 | 49.80 2.57 -15.89 | 45.15 2.53 -13.56 | 33.11 2.33 -3.83 | 27.75 2.06 0.00 | 25.02 1.80 0.00 | 22.12 1.64 0.00 | 25.00 1.88 -0.06 | 38.77 2.07 -12.08 | 106.46 2.62 -71.23 | 100.49 3.14 -53.76 | 88.69 3.52 -34.54 | 77.07 2.67 -35.42 | 51.49 2.39 -15.14 | 49.78 2.20 -17.72 |
| CALPINE_BP_GT1 23823 | 45.21 2.42 0.00 | 36.21 2.25 0.00 | 34.40 2.10 -0.01 | 33.11 1.97 0.00 | 32.99 1.90 0.00 | 32.59 1.92 0.00 | 38.52 2.10 0.00 | 35.55 1.89 0.00 | 37.38 2.28 -2.13 | 57.76 2.72 -20.28 | 49.80 2.57 -15.89 | 45.15 2.53 -13.56 | 33.11 2.33 -3.83 | 27.75 2.06 0.00 | 25.02 1.80 0.00 | 22.12 1.64 0.00 | 25.00 1.88 -0.06 | 38.77 2.07 -12.08 | 106.46 2.62 -71.23 | 100.49 3.14 -53.76 | 88.69 3.52 -34.54 | 77.07 2.67 -35.42 | 51.49 2.39 -15.14 | 49.78 2.20 -17.72 |
| CALSPAN__DRP 24200 | 40.16 -2.63 0.00 | 31.40 -2.56 0.00 | 29.97 -2.32 0.00 | 28.91 -2.23 0.00 | 28.79 -2.30 0.00 | 28.43 -2.24 0.00 | 33.84 -2.58 0.00 | 31.14 -2.51 0.00 | 30.74 -2.23 0.00 | 32.22 -2.55 0.00 | 29.44 -1.89 0.00 | 26.24 -2.01 0.81 | 25.01 -1.94 0.00 | 24.12 -1.56 0.00 | 21.69 -1.53 0.00 | 15.84 -1.39 3.26 | 21.68 -1.39 0.00 | 23.00 -1.62 0.00 | 29.93 -2.69 0.00 | 40.00 -3.58 0.00 | 42.48 -3.94 4.22 | 35.57 -3.18 0.23 | 31.40 -2.56 0.00 | 27.69 -2.14 0.03 |

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| CALVERTON__SOLAR 323806 | 44.90 2.11 0.00 | 36.16 2.20 0.00 | 34.43 2.14 -0.01 | 33.25 2.11 0.00 | 33.09 2.00 0.00 | 32.70 2.03 0.00 | 38.54 2.12 0.00 | 35.12 1.46 0.00 | 36.72 2.03 -1.72 | 53.49 2.34 -16.39 | 46.10 1.92 -12.84 | 41.31 1.87 -10.39 | 31.82 1.77 -3.10 | 27.14 1.45 0.00 | 24.59 1.37 0.00 | 21.75 1.27 0.00 | 25.08 1.98 -0.04 | 38.46 2.22 -11.63 | 107.16 2.79 -71.77 | 103.85 3.13 -57.13 | 94.83 3.90 -40.29 | 80.38 3.01 -38.39 | 54.08 2.51 -17.60 | 46.36 2.17 -14.33 |
| CANDIGU_WT_PWR 323617 | 40.54 -2.25 0.00 | 31.89 -2.07 0.00 | 30.49 -1.80 0.00 | 29.38 -1.76 0.00 | 29.28 -1.81 0.00 | 28.90 -1.77 0.00 | 34.29 -2.12 0.00 | 31.63 -2.03 0.00 | 31.06 -1.91 0.00 | 32.36 -2.41 0.00 | 29.19 -2.15 0.00 | 25.60 -2.20 1.25 | 25.02 -1.93 0.00 | 24.10 -1.59 0.00 | 21.55 -1.67 0.00 | 13.91 -1.56 5.02 | 21.56 -1.50 0.00 | 23.10 -1.51 0.00 | 30.48 -2.14 0.00 | 41.18 -2.40 0.00 | 41.50 -2.64 6.50 | 36.32 -2.30 0.35 | 32.01 -1.95 0.00 | 28.15 -1.67 0.04 |
| CARR STREET_E_SYR 24060 | 41.82 -0.98 0.00 | 33.12 -0.84 0.00 | 31.49 -0.79 0.00 | 30.37 -0.77 0.00 | 30.32 -0.77 0.00 | 29.92 -0.74 0.00 | 35.53 -0.88 0.00 | 32.80 -0.86 0.00 | 32.10 -0.87 0.00 | 33.91 -0.85 0.00 | 30.56 -0.77 0.00 | 28.29 -0.76 0.00 | 26.40 -0.55 0.00 | 25.19 -0.49 0.00 | 22.76 -0.46 0.00 | 20.09 -0.40 0.00 | 22.62 -0.45 0.00 | 24.14 -0.48 0.00 | 31.96 -0.66 0.00 | 42.80 -0.79 0.00 | 49.75 -0.89 0.00 | 38.23 -0.74 0.00 | 33.28 -0.68 0.00 | 29.26 -0.60 0.00 |
| CARTHAGE__PAPER 23857 | 41.89 -0.90 0.00 | 33.15 -0.80 0.00 | 31.48 -0.80 0.00 | 30.49 -0.65 0.00 | 30.55 -0.54 0.00 | 30.14 -0.52 0.00 | 35.72 -0.70 0.00 | 32.58 -1.08 0.00 | 31.12 -1.85 0.00 | 32.47 -2.29 0.00 | 29.15 -2.19 0.00 | 27.01 -2.05 0.00 | 25.09 -1.85 0.00 | 23.91 -1.77 0.00 | 21.56 -1.67 0.00 | 18.99 -1.49 0.00 | 21.35 -1.71 0.00 | 22.80 -1.82 0.00 | 30.74 -1.87 0.00 | 42.18 -1.41 0.00 | 49.88 -0.76 0.00 | 38.11 -0.87 0.00 | 33.26 -0.70 0.00 | 29.20 -0.66 0.00 |
| CASSADAGA_WT_PWR 323784 | 41.02 -1.77 0.00 | 32.12 -1.84 0.00 | 30.70 -1.58 0.00 | 29.62 -1.53 0.00 | 29.47 -1.62 0.00 | 29.06 -1.60 0.00 | 34.53 -1.89 0.00 | 31.89 -1.77 0.00 | 31.45 -1.52 0.00 | 32.92 -1.84 0.00 | 30.10 -1.24 0.00 | 26.66 -1.52 0.88 | 25.37 -1.58 0.00 | 24.49 -1.20 0.00 | 21.96 -1.26 0.00 | 15.85 -1.11 3.53 | 22.04 -1.02 0.00 | 23.48 -1.13 0.00 | 30.65 -1.97 0.00 | 41.18 -2.40 0.00 | 43.52 -2.55 4.56 | 36.38 -2.35 0.24 | 31.94 -2.02 0.00 | 28.30 -1.52 0.03 |
| CE_DUNWOOD__DRP 24194 | 44.67 1.88 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.51 1.37 0.00 | 32.43 1.34 0.00 | 32.01 1.34 0.00 | 37.97 1.55 0.00 | 35.33 1.67 0.00 | 34.78 1.81 0.00 | 36.80 2.04 0.00 | 33.30 1.96 0.00 | 30.99 1.94 0.00 | 28.71 1.77 0.00 | 27.41 1.73 0.00 | 24.75 1.52 0.00 | 21.88 1.39 0.00 | 24.61 1.55 0.00 | 26.29 1.68 0.00 | 34.66 2.05 0.00 | 46.06 2.47 0.00 | 53.43 2.79 0.00 | 41.05 2.08 0.00 | 35.71 1.75 0.00 | 31.45 1.59 0.00 |
| CE_MILLWOOD__DRP 24193 | 44.61 1.82 0.00 | 35.51 1.56 0.00 | 33.74 1.45 0.00 | 32.46 1.32 0.00 | 32.39 1.30 0.00 | 31.96 1.29 0.00 | 37.92 1.50 0.00 | 35.28 1.62 0.00 | 34.72 1.75 0.00 | 36.74 1.97 0.00 | 33.23 1.89 0.00 | 31.01 1.87 -0.09 | 28.65 1.71 0.00 | 27.35 1.67 0.00 | 24.69 1.47 0.00 | 22.18 1.34 -0.35 | 24.56 1.50 0.00 | 26.24 1.62 0.00 | 34.60 1.98 0.00 | 45.99 2.41 0.00 | 53.80 2.71 -0.45 | 41.02 2.02 -0.02 | 35.65 1.69 0.00 | 31.40 1.54 0.00 |
| CE_NYC2_DRP 24202 | 44.72 1.92 0.00 | 35.65 1.69 0.00 | 33.87 1.58 0.00 | 32.59 1.45 0.00 | 32.50 1.41 0.00 | 32.07 1.40 0.00 | 38.01 1.59 0.00 | 35.44 1.78 0.00 | 34.91 1.94 0.00 | 36.97 2.21 0.00 | 33.48 2.15 0.00 | 31.18 2.12 0.00 | 28.93 1.99 0.00 | 27.64 1.95 0.00 | 24.95 1.72 0.00 | 22.05 1.57 0.00 | 24.78 1.73 0.00 | 26.46 1.85 0.00 | 34.82 2.21 0.00 | 46.11 2.53 0.00 | 53.44 2.80 0.00 | 41.14 2.17 0.00 | 35.81 1.85 0.00 | 31.55 1.70 0.00 |
| CE_NYC_DRP 24195 | 44.83 2.04 0.00 | 35.70 1.74 0.00 | 33.90 1.61 0.00 | 32.63 1.48 0.00 | 32.54 1.45 0.00 | 32.11 1.44 0.00 | 38.09 1.67 0.00 | 35.48 1.83 0.00 | 34.96 1.99 0.00 | 37.02 2.25 0.00 | 33.52 2.18 0.00 | 31.20 2.15 0.00 | 28.93 1.99 0.00 | 27.64 1.96 0.00 | 24.95 1.73 0.00 | 22.06 1.57 0.00 | 24.79 1.73 0.00 | 26.47 1.86 0.00 | 34.86 2.25 0.00 | 46.26 2.68 0.00 | 53.64 3.00 0.00 | 41.24 2.26 0.00 | 35.88 1.92 0.00 | 31.59 1.73 0.00 |
| CHAFFEE__LFGE 323603 | 40.09 -2.70 0.00 | 31.34 -2.62 0.00 | 29.93 -2.35 0.00 | 28.87 -2.28 0.00 | 28.75 -2.34 0.00 | 28.38 -2.28 0.00 | 33.79 -2.63 0.00 | 31.12 -2.54 0.00 | 30.69 -2.28 0.00 | 32.18 -2.59 0.00 | 29.40 -1.94 0.00 | 26.14 -2.06 0.85 | 24.97 -1.98 0.00 | 24.08 -1.60 0.00 | 21.65 -1.58 0.00 | 15.63 -1.44 3.42 | 21.63 -1.43 0.00 | 22.95 -1.66 0.00 | 29.87 -2.74 0.00 | 39.95 -3.63 0.00 | 42.19 -4.02 4.43 | 35.49 -3.24 0.24 | 31.32 -2.64 0.00 | 27.63 -2.20 0.03 |
| CHATEAUG_35_KV_LOAD 355732 | 43.12 0.33 0.00 | 34.24 0.28 0.00 | 32.56 0.27 0.00 | 31.43 0.28 0.00 | 31.44 0.35 0.00 | 31.02 0.35 0.00 | 36.88 0.46 0.00 | 34.02 0.36 0.00 | 33.28 0.31 0.00 | 35.01 0.25 0.00 | 31.52 0.18 0.00 | 29.19 0.14 0.00 | 27.00 0.06 0.00 | 25.71 0.02 0.00 | 23.22 0.00 0.00 | 20.50 0.02 0.00 | 23.12 0.05 0.00 | 24.71 0.09 0.00 | 32.79 0.17 0.00 | 43.87 0.29 0.00 | 51.03 0.40 0.00 | 39.35 0.38 0.00 | 34.33 0.37 0.00 | 30.09 0.23 0.00 |
| CHATEAUG_WT_PWR 323614 | 43.09 0.30 0.00 | 34.21 0.25 0.00 | 32.53 0.25 0.00 | 31.40 0.25 0.00 | 31.41 0.32 0.00 | 30.99 0.32 0.00 | 36.83 0.41 0.00 | 34.01 0.35 0.00 | 33.27 0.31 0.00 | 35.01 0.25 0.00 | 31.51 0.17 0.00 | 29.20 0.14 0.00 | 27.01 0.06 0.00 | 25.71 0.02 0.00 | 23.23 0.01 0.00 | 20.51 0.03 0.00 | 23.13 0.07 0.00 | 24.72 0.10 0.00 | 32.80 0.18 0.00 | 43.85 0.27 0.00 | 50.95 0.31 0.00 | 39.28 0.31 0.00 | 34.28 0.32 0.00 | 30.06 0.20 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 43.12 0.33 0.00 | 34.24 0.28 0.00 | 32.56 0.27 0.00 | 31.43 0.28 0.00 | 31.44 0.35 0.00 | 31.02 0.35 0.00 | 36.88 0.46 0.00 | 34.02 0.36 0.00 | 33.28 0.31 0.00 | 35.01 0.25 0.00 | 31.52 0.18 0.00 | 29.19 0.14 0.00 | 27.00 0.06 0.00 | 25.71 0.02 0.00 | 23.22 0.00 0.00 | 20.50 0.02 0.00 | 23.12 0.05 0.00 | 24.71 0.09 0.00 | 32.79 0.17 0.00 | 43.87 0.29 0.00 | 51.03 0.40 0.00 | 39.35 0.38 0.00 | 34.33 0.37 0.00 | 30.09 0.23 0.00 |
| CHAUTAUQUA__LFGE 323629 | 40.67 -2.13 0.00 | 31.83 -2.13 0.00 | 30.41 -1.88 0.00 | 29.32 -1.82 0.00 | 29.18 -1.91 0.00 | 28.79 -1.88 0.00 | 34.22 -2.19 0.00 | 31.59 -2.07 0.00 | 31.14 -1.84 0.00 | 32.59 -2.18 0.00 | 29.82 -1.52 0.00 | 26.50 -1.71 0.85 | 25.26 -1.68 0.00 | 24.39 -1.29 0.00 | 21.87 -1.36 0.00 | 15.84 -1.22 3.43 | 21.90 -1.16 0.00 | 23.33 -1.28 0.00 | 30.43 -2.18 0.00 | 40.80 -2.78 0.00 | 43.19 -3.02 4.43 | 36.12 -2.62 0.24 | 31.79 -2.17 0.00 | 28.11 -1.72 0.03 |
| CHERRYST_13_KV_LD 356241 | 44.93 2.14 0.00 | 35.78 1.83 0.00 | 33.98 1.69 0.00 | 32.70 1.55 0.00 | 32.61 1.52 0.00 | 32.19 1.53 0.00 | 38.18 1.76 0.00 | 35.57 1.91 0.00 | 35.04 2.07 0.00 | 37.11 2.34 0.00 | 33.60 2.27 0.00 | 31.29 2.23 0.00 | 29.00 2.06 0.00 | 27.72 2.03 0.00 | 25.01 1.79 0.00 | 22.11 1.63 0.00 | 24.86 1.80 0.00 | 26.54 1.92 0.00 | 34.95 2.34 0.00 | 46.37 2.78 0.00 | 53.78 3.14 0.00 | 41.35 2.37 0.00 | 35.97 2.01 0.00 | 31.66 1.81 0.00 |

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| CHESTROR_138KV_BK263 355645 | 44.55 1.76 0.00 | 35.44 1.48 0.00 | 33.67 1.38 0.00 | 32.41 1.26 0.00 | 32.33 1.24 0.00 | 31.90 1.23 0.00 | 37.86 1.44 0.00 | 35.20 1.54 0.00 | 34.61 1.64 0.00 | 36.57 1.80 0.00 | 33.03 1.70 0.00 | 30.80 1.65 -0.09 | 28.40 1.46 0.00 | 27.11 1.43 0.00 | 24.48 1.26 0.00 | 22.02 1.16 -0.38 | 24.36 1.30 0.00 | 26.07 1.45 0.00 | 34.43 1.81 0.00 | 45.82 2.24 0.00 | 53.67 2.54 -0.49 | 40.87 1.87 -0.03 | 35.50 1.54 0.00 | 31.23 1.37 0.00 |
| CH_MIDHUDSON___DRP 24192 | 44.70 1.91 0.00 | 35.56 1.61 0.00 | 33.79 1.50 0.00 | 32.52 1.37 0.00 | 32.44 1.35 0.00 | 32.02 1.35 0.00 | 37.99 1.58 0.00 | 35.32 1.66 0.00 | 34.74 1.77 0.00 | 36.70 1.93 0.00 | 33.14 1.80 0.00 | 30.81 1.76 0.00 | 28.55 1.60 0.00 | 27.21 1.53 0.00 | 24.57 1.35 0.00 | 21.73 1.25 0.00 | 24.48 1.42 0.00 | 26.20 1.59 0.00 | 34.59 1.98 0.00 | 46.03 2.45 0.00 | 53.42 2.78 0.00 | 41.04 2.07 0.00 | 35.69 1.73 0.00 | 31.39 1.53 0.00 |
| CH_MISC_IPPS 23765 | 44.94 2.15 0.00 | 35.75 1.79 0.00 | 33.95 1.67 0.00 | 32.68 1.54 0.00 | 32.60 1.51 0.00 | 32.18 1.51 0.00 | 38.19 1.77 0.00 | 35.51 1.85 0.00 | 34.92 1.95 0.00 | 36.89 2.13 0.00 | 33.30 1.96 0.00 | 30.96 1.90 0.00 | 28.65 1.71 0.00 | 27.32 1.63 0.00 | 24.67 1.44 0.00 | 21.81 1.33 0.00 | 24.58 1.52 0.00 | 26.33 1.72 0.00 | 34.78 2.17 0.00 | 46.30 2.72 0.00 | 53.74 3.11 0.00 | 41.27 2.29 0.00 | 35.87 1.91 0.00 | 31.54 1.68 0.00 |
| CH_RES_BVR_FALLS 23983 | 42.79 0.00 0.00 | 33.95 -0.01 0.00 | 32.29 0.00 0.00 | 31.14 0.00 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.42 0.01 0.00 | 33.66 0.00 0.00 | 32.97 0.00 0.00 | 34.73 -0.03 0.00 | 31.31 -0.03 0.00 | 29.03 -0.03 0.00 | 26.89 -0.05 0.00 | 25.64 -0.05 0.00 | 23.18 -0.05 0.00 | 20.43 -0.05 0.00 | 23.00 -0.06 0.00 | 24.55 -0.06 0.00 | 32.55 -0.07 0.00 | 43.49 -0.09 0.00 | 50.53 -0.11 0.00 | 38.90 -0.08 0.00 | 33.91 -0.06 0.00 | 29.80 -0.06 0.00 |
| CH_RES_NIAGARA 23895 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| CH_RES_SYRACUSE 23985 | 42.01 -0.78 0.00 | 33.27 -0.69 0.00 | 31.64 -0.65 0.00 | 30.52 -0.62 0.00 | 30.46 -0.63 0.00 | 30.06 -0.60 0.00 | 35.70 -0.72 0.00 | 32.94 -0.71 0.00 | 32.22 -0.75 0.00 | 34.00 -0.76 0.00 | 30.63 -0.71 0.00 | 28.24 -0.70 0.12 | 26.47 -0.48 0.00 | 25.25 -0.44 0.00 | 22.81 -0.41 0.00 | 19.65 -0.36 0.48 | 22.66 -0.40 0.00 | 24.21 -0.41 0.00 | 32.09 -0.52 0.00 | 43.00 -0.58 0.00 | 49.39 -0.63 0.62 | 38.39 -0.55 0.03 | 33.45 -0.51 0.00 | 29.40 -0.45 0.00 |
| CLINTON_WT_PWR 323605 | 43.09 0.30 0.00 | 34.21 0.25 0.00 | 32.53 0.25 0.00 | 31.40 0.25 0.00 | 31.41 0.32 0.00 | 30.99 0.32 0.00 | 36.83 0.41 0.00 | 34.01 0.35 0.00 | 33.27 0.31 0.00 | 35.01 0.25 0.00 | 31.51 0.17 0.00 | 29.20 0.14 0.00 | 27.01 0.06 0.00 | 25.71 0.02 0.00 | 23.23 0.01 0.00 | 20.51 0.03 0.00 | 23.13 0.07 0.00 | 24.72 0.10 0.00 | 32.80 0.18 0.00 | 43.85 0.27 0.00 | 50.95 0.31 0.00 | 39.28 0.31 0.00 | 34.28 0.32 0.00 | 30.06 0.20 0.00 |
| CLINTON___LFGE 323618 | 43.49 0.70 0.00 | 34.53 0.57 0.00 | 32.83 0.55 0.00 | 31.68 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.77 0.00 | 34.32 0.66 0.00 | 33.51 0.54 0.00 | 35.24 0.47 0.00 | 31.69 0.35 0.00 | 29.37 0.31 0.00 | 27.16 0.22 0.00 | 25.86 0.17 0.00 | 23.34 0.12 0.00 | 20.65 0.16 0.00 | 23.30 0.23 0.00 | 24.92 0.30 0.00 | 33.08 0.47 0.00 | 44.36 0.77 0.00 | 51.55 0.92 0.00 | 39.75 0.77 0.00 | 34.67 0.71 0.00 | 30.36 0.50 0.00 |
| COBBLENY_34_KV_TB1 80064 | 40.09 -2.70 0.00 | 31.35 -2.61 0.00 | 29.92 -2.36 0.00 | 28.87 -2.27 0.00 | 28.74 -2.35 0.00 | 28.38 -2.29 0.00 | 33.79 -2.63 0.00 | 31.10 -2.56 0.00 | 30.70 -2.27 0.00 | 32.18 -2.58 0.00 | 29.40 -1.94 0.00 | 26.16 -2.05 0.85 | 24.96 -1.98 0.00 | 24.08 -1.60 0.00 | 21.65 -1.58 0.00 | 15.64 -1.43 3.42 | 21.63 -1.43 0.00 | 22.95 -1.66 0.00 | 29.88 -2.73 0.00 | 39.96 -3.63 0.00 | 42.22 -3.99 4.43 | 35.51 -3.23 0.24 | 31.35 -2.61 0.00 | 27.65 -2.18 0.03 |
| COFFEEN___115KV_TB3 355620 | 42.00 -0.80 0.00 | 33.22 -0.74 0.00 | 31.53 -0.76 0.00 | 30.56 -0.59 0.00 | 30.62 -0.47 0.00 | 30.22 -0.44 0.00 | 35.77 -0.65 0.00 | 32.46 -1.20 0.00 | 30.73 -2.24 0.00 | 32.03 -2.73 0.00 | 28.79 -2.55 0.00 | 26.67 -2.39 0.00 | 24.80 -2.15 0.00 | 23.64 -2.05 0.00 | 21.31 -1.91 0.00 | 18.79 -1.69 0.00 | 21.10 -1.96 0.00 | 22.51 -2.11 0.00 | 30.47 -2.14 0.00 | 42.19 -1.40 0.00 | 50.25 -0.38 0.00 | 38.27 -0.71 0.00 | 33.41 -0.55 0.00 | 29.31 -0.55 0.00 |
| COLDSRPG_115KV_BK1 355956 | 41.20 -1.59 0.00 | 32.26 -1.70 0.00 | 30.81 -1.48 0.00 | 29.70 -1.45 0.00 | 29.54 -1.55 0.00 | 29.12 -1.55 0.00 | 34.63 -1.79 0.00 | 31.98 -1.68 0.00 | 31.58 -1.39 0.00 | 33.16 -1.61 0.00 | 30.29 -1.04 0.00 | 26.89 -1.25 0.92 | 25.65 -1.29 0.00 | 24.73 -0.96 0.00 | 22.14 -1.08 0.00 | 15.83 -0.97 3.69 | 22.17 -0.89 0.00 | 23.61 -1.00 0.00 | 30.83 -1.79 0.00 | 41.43 -2.15 4.77 | 43.67 -2.20 0.25 | 36.66 -2.06 0.00 | 32.24 -1.72 0.00 | 28.49 -1.33 0.03 |
| COLONIE_LFGE___ 323577 | 44.19 1.40 0.00 | 35.13 1.17 0.00 | 33.40 1.12 0.00 | 32.24 1.10 0.00 | 32.18 1.09 0.00 | 31.71 1.04 0.00 | 37.61 1.20 0.00 | 34.81 1.16 0.00 | 34.07 1.10 0.00 | 35.81 1.04 0.00 | 32.24 0.90 0.00 | 29.95 0.89 0.00 | 27.74 0.80 0.00 | 26.38 0.69 0.00 | 23.85 0.62 0.00 | 21.10 0.61 0.00 | 23.80 0.74 0.00 | 25.51 0.90 0.00 | 33.81 1.20 0.00 | 45.22 1.63 0.00 | 52.50 1.86 0.00 | 40.37 1.39 0.00 | 35.19 1.23 0.00 | 30.96 1.10 0.00 |
| COOPERNY_115KV_TB1 80082 | 44.55 1.76 0.00 | 35.44 1.48 0.00 | 33.67 1.38 0.00 | 32.42 1.27 0.00 | 32.34 1.25 0.00 | 31.91 1.24 0.00 | 37.87 1.45 0.00 | 35.18 1.52 0.00 | 34.57 1.60 0.00 | 36.52 1.75 0.00 | 32.97 1.63 0.00 | 30.74 1.56 -0.13 | 28.25 1.31 0.00 | 26.97 1.28 0.00 | 24.37 1.14 0.00 | 22.06 1.06 -0.51 | 24.24 1.18 0.00 | 25.95 1.33 0.00 | 34.30 1.69 0.00 | 45.66 2.08 0.00 | 53.66 2.36 -0.66 | 40.73 1.72 -0.04 | 35.36 1.40 0.00 | 31.12 1.25 0.00 |
| COPENHAGEN_WT_PWR 323753 | 41.75 -1.04 0.00 | 33.03 -0.93 0.00 | 31.35 -0.94 0.00 | 30.40 -0.75 0.00 | 30.47 -0.62 0.00 | 30.06 -0.60 0.00 | 35.56 -0.86 0.00 | 32.36 -1.30 0.00 | 30.78 -2.19 0.00 | 32.12 -2.64 0.00 | 28.87 -2.47 0.00 | 26.75 -2.31 0.00 | 24.88 -2.07 0.00 | 23.71 -1.98 0.00 | 21.36 -1.87 0.00 | 18.85 -1.63 0.00 | 21.14 -1.92 0.00 | 22.53 -2.09 0.00 | 30.41 -2.20 0.00 | 41.88 -1.71 0.00 | 49.76 -0.87 0.00 | 37.92 -1.06 0.00 | 33.14 -0.82 0.00 | 29.12 -0.74 0.00 |
| CORNELL____ 23752 | 42.65 -0.15 0.00 | 33.72 -0.23 0.00 | 32.06 -0.22 0.00 | 30.91 -0.24 0.00 | 30.86 -0.23 0.00 | 30.46 -0.21 0.00 | 36.19 -0.22 0.00 | 33.33 -0.33 0.00 | 32.43 -0.54 0.00 | 33.98 -0.78 0.00 | 30.50 -0.84 0.00 | 27.86 -0.83 0.37 | 26.56 -0.39 0.00 | 25.35 -0.34 0.00 | 22.88 -0.35 0.00 | 18.70 -0.31 1.48 | 22.74 -0.32 0.00 | 24.38 -0.24 0.00 | 32.55 -0.06 0.00 | 44.02 0.43 0.00 | 49.37 0.64 1.91 | 39.23 0.36 0.10 | 34.21 0.25 0.00 | 30.05 0.21 0.01 |

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| CORONA_69_KV_TB1 355595 | 45.19 2.40 0.00 | 36.15 2.19 0.00 | 34.35 2.05 -0.01 | 33.06 1.91 0.00 | 32.94 1.86 0.00 | 32.53 1.86 0.00 | 38.48 2.06 0.00 | 35.60 1.94 0.00 | 38.78 2.26 -3.55 | 71.25 2.67 -33.82 | 60.37 2.54 -26.50 | 54.16 2.49 -22.61 | 35.65 2.31 -6.39 | 27.78 2.10 0.00 | 25.06 1.84 0.00 | 22.15 1.66 0.00 | 25.11 1.96 -0.09 | 46.89 2.13 -20.14 | 154.07 2.65 -118.80 | 136.47 3.21 -89.68 | 111.80 3.55 -57.61 | 100.75 2.68 -59.08 | 61.51 2.30 -25.25 | 61.52 2.10 -29.56 |
| CORTLAND_115KV_TB3 80093 | 42.47 -0.32 0.00 | 33.61 -0.35 0.00 | 31.96 -0.33 0.00 | 30.82 -0.32 0.00 | 30.76 -0.33 0.00 | 30.37 -0.29 0.00 | 36.06 -0.36 0.00 | 33.25 -0.41 0.00 | 32.44 -0.53 0.00 | 34.07 -0.70 0.00 | 30.63 -0.70 0.00 | 28.38 -0.67 0.00 | 26.71 -0.23 0.00 | 25.49 -0.20 0.00 | 23.02 -0.20 0.00 | 20.31 -0.18 0.00 | 22.88 -0.18 0.00 | 24.49 -0.12 0.00 | 32.58 -0.03 0.00 | 43.84 0.25 0.00 | 51.04 0.40 0.00 | 39.17 0.20 0.00 | 34.08 0.12 0.00 | 29.96 0.10 0.00 |
| COXSACKIE___GT 23611 | 45.13 2.34 0.00 | 35.88 1.92 0.00 | 34.10 1.82 0.00 | 32.91 1.77 0.00 | 32.83 1.74 0.00 | 32.40 1.73 0.00 | 38.49 2.07 0.00 | 35.61 1.95 0.00 | 34.74 1.77 0.00 | 36.11 1.34 0.00 | 32.37 1.03 0.00 | 29.99 0.94 0.00 | 27.77 0.83 0.00 | 26.42 0.73 0.00 | 23.92 0.69 0.00 | 21.17 0.69 0.00 | 23.94 0.88 0.00 | 25.74 1.12 0.00 | 34.33 1.71 0.00 | 46.22 2.64 0.00 | 53.93 3.29 0.00 | 41.47 2.49 0.00 | 36.02 2.06 0.00 | 31.61 1.75 0.00 |
| CPV_VALLEY___CC1 323721 | 44.43 1.64 0.00 | 35.35 1.39 0.00 | 33.59 1.30 0.00 | 32.34 1.19 0.00 | 32.26 1.17 0.00 | 31.83 1.16 0.00 | 37.77 1.36 0.00 | 35.10 1.44 0.00 | 34.52 1.55 0.00 | 36.47 1.71 0.00 | 32.95 1.61 0.00 | 30.72 1.56 -0.10 | 28.30 1.35 0.00 | 27.02 1.33 0.00 | 24.40 1.18 0.00 | 21.98 1.09 0.00 | 24.27 1.21 0.00 | 25.98 1.36 0.00 | 34.32 1.70 0.00 | 45.63 2.05 0.00 | 53.48 2.32 -0.53 | 40.70 1.70 -0.03 | 35.33 1.37 0.00 | 31.08 1.22 0.00 |
| CPV_VALLEY___CC2 323722 | 44.43 1.64 0.00 | 35.35 1.39 0.00 | 33.59 1.30 0.00 | 32.34 1.19 0.00 | 32.26 1.17 0.00 | 31.83 1.16 0.00 | 37.77 1.36 0.00 | 35.10 1.44 0.00 | 34.52 1.55 0.00 | 36.47 1.71 0.00 | 32.95 1.61 0.00 | 30.72 1.56 -0.10 | 28.30 1.35 0.00 | 27.02 1.33 0.00 | 24.40 1.18 0.00 | 21.98 1.09 0.00 | 24.27 1.21 0.00 | 25.98 1.36 0.00 | 34.32 1.70 0.00 | 45.63 2.05 0.00 | 53.48 2.32 -0.53 | 40.70 1.70 -0.03 | 35.33 1.37 0.00 | 31.08 1.22 0.00 |
| CRESCENT___HYD 24018 | 44.19 1.40 0.00 | 35.13 1.17 0.00 | 33.40 1.12 0.00 | 32.24 1.10 0.00 | 32.18 1.09 0.00 | 31.71 1.04 0.00 | 37.61 1.20 0.00 | 34.81 1.16 0.00 | 34.07 1.10 0.00 | 35.81 1.04 0.00 | 32.24 0.90 0.00 | 29.95 0.89 0.00 | 27.74 0.80 0.00 | 26.38 0.69 0.00 | 23.85 0.62 0.00 | 21.10 0.61 0.00 | 23.80 0.74 0.00 | 25.51 0.90 0.00 | 33.81 1.20 0.00 | 45.22 1.63 0.00 | 52.50 1.86 0.00 | 40.37 1.39 0.00 | 35.19 1.23 0.00 | 30.96 1.10 0.00 |
| CRICKET___VALLEY_CC1 323756 | 44.31 1.52 0.00 | 35.25 1.30 0.00 | 33.50 1.21 0.00 | 32.22 1.08 0.00 | 32.14 1.05 0.00 | 31.74 1.07 0.00 | 37.65 1.23 0.00 | 35.01 1.35 0.00 | 34.43 1.46 0.00 | 36.37 1.61 0.00 | 32.88 1.54 0.00 | 30.63 1.58 0.00 | 28.42 1.47 0.00 | 27.09 1.41 0.00 | 24.45 1.23 0.00 | 21.64 1.16 0.00 | 24.36 1.30 0.00 | 26.05 1.43 0.00 | 34.31 1.70 0.00 | 45.64 2.05 0.00 | 52.96 2.32 0.00 | 40.68 1.71 0.00 | 35.39 1.43 0.00 | 31.13 1.27 0.00 |
| CRICKET___VALLEY_CC2 323757 | 44.31 1.52 0.00 | 35.25 1.30 0.00 | 33.50 1.21 0.00 | 32.22 1.08 0.00 | 32.14 1.05 0.00 | 31.74 1.07 0.00 | 37.65 1.23 0.00 | 35.01 1.35 0.00 | 34.43 1.46 0.00 | 36.37 1.61 0.00 | 32.88 1.54 0.00 | 30.63 1.58 0.00 | 28.42 1.47 0.00 | 27.09 1.41 0.00 | 24.45 1.23 0.00 | 21.64 1.16 0.00 | 24.36 1.30 0.00 | 26.05 1.43 0.00 | 34.31 1.70 0.00 | 45.64 2.05 0.00 | 52.96 2.32 0.00 | 40.68 1.71 0.00 | 35.39 1.43 0.00 | 31.13 1.27 0.00 |
| CRICKET___VALLEY_CC3 323758 | 44.31 1.52 0.00 | 35.25 1.30 0.00 | 33.50 1.21 0.00 | 32.22 1.08 0.00 | 32.14 1.05 0.00 | 31.74 1.07 0.00 | 37.65 1.23 0.00 | 35.01 1.35 0.00 | 34.43 1.46 0.00 | 36.37 1.61 0.00 | 32.88 1.54 0.00 | 30.63 1.58 0.00 | 28.42 1.47 0.00 | 27.09 1.41 0.00 | 24.45 1.23 0.00 | 21.64 1.16 0.00 | 24.36 1.30 0.00 | 26.05 1.43 0.00 | 34.31 1.70 0.00 | 45.64 2.05 0.00 | 52.96 2.32 0.00 | 40.68 1.71 0.00 | 35.39 1.43 0.00 | 31.13 1.27 0.00 |
| CRUCIBLE_METL_DRP 24180 | 42.01 -0.78 0.00 | 33.27 -0.69 0.00 | 31.64 -0.65 0.00 | 30.52 -0.62 0.00 | 30.46 -0.63 0.00 | 30.06 -0.60 0.00 | 35.70 -0.72 0.00 | 32.95 -0.71 0.00 | 32.22 -0.75 0.00 | 34.00 -0.76 0.00 | 30.63 -0.71 0.00 | 28.24 -0.70 0.12 | 26.47 -0.48 0.00 | 25.25 -0.44 0.00 | 22.81 -0.41 0.00 | 19.65 -0.36 0.48 | 22.66 -0.40 0.00 | 24.21 -0.41 0.00 | 32.09 -0.52 0.00 | 43.00 -0.58 0.00 | 49.40 -0.63 0.62 | 38.39 -0.55 0.03 | 33.45 -0.51 0.00 | 29.40 -0.45 0.00 |
| DAHOWA___HYDRO 323763 | 44.84 2.05 0.00 | 35.59 1.63 0.00 | 33.84 1.56 0.00 | 32.60 1.46 0.00 | 32.55 1.46 0.00 | 32.14 1.47 0.00 | 38.12 1.71 0.00 | 35.22 1.56 0.00 | 34.30 1.33 0.00 | 35.85 1.08 0.00 | 32.12 0.78 0.00 | 29.83 0.77 0.00 | 27.62 0.67 0.00 | 26.25 0.56 0.00 | 23.71 0.49 0.00 | 21.02 0.53 0.00 | 23.78 0.72 0.00 | 25.66 1.04 0.00 | 34.24 1.62 0.00 | 45.97 2.38 0.00 | 53.38 2.74 0.00 | 40.97 1.99 0.00 | 35.67 1.70 0.00 | 31.32 1.46 0.00 |
| DANC___LFGE 323619 | 41.58 -1.21 0.00 | 32.91 -1.05 0.00 | 31.29 -1.00 0.00 | 30.30 -0.84 0.00 | 30.36 -0.73 0.00 | 29.90 -0.76 0.00 | 35.34 -1.08 0.00 | 32.24 -1.42 0.00 | 30.79 -2.18 0.00 | 32.20 -2.57 0.00 | 29.00 -2.34 0.00 | 26.86 -2.19 0.00 | 24.98 -1.96 0.00 | 23.85 -1.84 0.00 | 21.52 -1.70 0.00 | 18.99 -1.50 0.00 | 21.27 -1.79 0.00 | 22.65 -1.97 0.00 | 30.49 -2.13 0.00 | 41.81 -1.77 0.00 | 49.59 -1.05 0.00 | 37.89 -1.09 0.00 | 33.08 -0.88 0.00 | 29.06 -0.80 0.00 |
| DANSKAMMER___1 23586 | 44.94 2.15 0.00 | 35.75 1.79 0.00 | 33.95 1.67 0.00 | 32.68 1.54 0.00 | 32.60 1.51 0.00 | 32.18 1.51 0.00 | 38.19 1.77 0.00 | 35.51 1.85 0.00 | 34.92 1.95 0.00 | 36.89 2.13 0.00 | 33.30 1.96 0.00 | 30.96 1.90 0.00 | 28.65 1.71 0.00 | 27.32 1.63 0.00 | 24.67 1.44 0.00 | 21.81 1.33 0.00 | 24.58 1.52 0.00 | 26.33 1.72 0.00 | 34.78 2.17 0.00 | 46.30 2.72 0.00 | 53.74 3.11 0.00 | 41.27 2.29 0.00 | 35.87 1.91 0.00 | 31.54 1.68 0.00 |
| DANSKAMMER___2 23589 | 44.94 2.15 0.00 | 35.75 1.79 0.00 | 33.95 1.67 0.00 | 32.68 1.54 0.00 | 32.60 1.51 0.00 | 32.18 1.51 0.00 | 38.19 1.77 0.00 | 35.51 1.85 0.00 | 34.92 1.95 0.00 | 36.89 2.13 0.00 | 33.30 1.96 0.00 | 30.96 1.90 0.00 | 28.65 1.71 0.00 | 27.32 1.63 0.00 | 24.67 1.44 0.00 | 21.81 1.33 0.00 | 24.58 1.52 0.00 | 26.33 1.72 0.00 | 34.78 2.17 0.00 | 46.30 2.72 0.00 | 53.74 3.11 0.00 | 41.27 2.29 0.00 | 35.87 1.91 0.00 | 31.54 1.68 0.00 |
| DANSKAMMER___3 23590 | 44.94 2.15 0.00 | 35.75 1.79 0.00 | 33.95 1.67 0.00 | 32.68 1.54 0.00 | 32.60 1.51 0.00 | 32.18 1.51 0.00 | 38.19 1.77 0.00 | 35.51 1.85 0.00 | 34.92 1.95 0.00 | 36.89 2.13 0.00 | 33.30 1.96 0.00 | 30.96 1.90 0.00 | 28.65 1.71 0.00 | 27.32 1.63 0.00 | 24.67 1.44 0.00 | 21.81 1.33 0.00 | 24.58 1.52 0.00 | 26.33 1.72 0.00 | 34.78 2.17 0.00 | 46.30 2.72 0.00 | 53.74 3.11 0.00 | 41.27 2.29 0.00 | 35.87 1.91 0.00 | 31.54 1.68 0.00 |

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| DANSKAMMER___4 23591 | 44.94 2.15 0.00 | 35.75 1.79 0.00 | 33.95 1.67 0.00 | 32.68 1.54 0.00 | 32.60 1.51 0.00 | 32.18 1.51 0.00 | 38.19 1.77 0.00 | 35.51 1.85 0.00 | 34.92 1.95 0.00 | 36.89 2.13 0.00 | 33.30 1.96 0.00 | 30.96 1.90 0.00 | 28.65 1.71 0.00 | 27.32 1.63 0.00 | 24.67 1.44 0.00 | 21.81 1.33 0.00 | 24.58 1.52 0.00 | 26.33 1.72 0.00 | 34.78 2.17 0.00 | 46.30 2.72 0.00 | 53.74 3.11 0.00 | 41.27 2.29 0.00 | 35.87 1.91 0.00 | 31.54 1.68 0.00 |
| DANSKAMMER___DIESEL 23592 | 44.95 2.16 0.00 | 35.75 1.79 0.00 | 33.96 1.67 0.00 | 32.68 1.54 0.00 | 32.60 1.51 0.00 | 32.18 1.51 0.00 | 38.19 1.77 0.00 | 35.51 1.85 0.00 | 34.92 1.95 0.00 | 36.89 2.13 0.00 | 33.29 1.95 0.00 | 30.96 1.90 0.00 | 28.65 1.71 0.00 | 27.32 1.63 0.00 | 24.66 1.44 0.00 | 21.81 1.33 0.00 | 24.59 1.52 0.00 | 26.34 1.72 0.00 | 34.78 2.17 0.00 | 46.30 2.72 0.00 | 53.73 3.10 0.00 | 41.27 2.29 0.00 | 35.86 1.90 0.00 | 31.54 1.68 0.00 |
| DARBY___SOLAR 323810 | 44.71 1.92 0.00 | 35.50 1.54 0.00 | 33.75 1.46 0.00 | 32.53 1.38 0.00 | 32.46 1.37 0.00 | 32.05 1.38 0.00 | 38.02 1.61 0.00 | 35.12 1.46 0.00 | 34.23 1.26 0.00 | 35.80 1.04 0.00 | 32.09 0.75 0.00 | 29.80 0.74 0.00 | 27.59 0.65 0.00 | 26.23 0.54 0.00 | 23.70 0.48 0.00 | 21.00 0.52 0.00 | 23.76 0.70 0.00 | 25.62 1.00 0.00 | 34.15 1.54 0.00 | 45.80 2.22 0.00 | 53.19 2.55 0.00 | 40.84 1.86 0.00 | 35.56 1.60 0.00 | 31.24 1.38 0.00 |
| DASHVILLE___HYD 23610 | 44.68 1.89 0.00 | 35.54 1.58 0.00 | 33.76 1.47 0.00 | 32.49 1.35 0.00 | 32.41 1.32 0.00 | 32.00 1.33 0.00 | 37.97 1.55 0.00 | 35.32 1.66 0.00 | 34.74 1.76 0.00 | 36.72 1.95 0.00 | 33.15 1.81 0.00 | 30.81 1.75 0.00 | 28.52 1.58 0.00 | 27.20 1.52 0.00 | 24.57 1.35 0.00 | 21.73 1.25 0.00 | 24.46 1.40 0.00 | 26.16 1.54 0.00 | 34.53 1.92 0.00 | 45.98 2.40 0.00 | 53.36 2.72 0.00 | 41.00 2.02 0.00 | 35.65 1.69 0.00 | 31.35 1.49 0.00 |
| DELAWARE___LFGE 323621 | 44.08 1.29 0.00 | 35.01 1.06 0.00 | 33.28 0.99 0.00 | 32.06 0.92 0.00 | 32.00 0.91 0.00 | 31.59 0.92 0.00 | 37.50 1.09 0.00 | 34.71 1.05 0.00 | 34.01 1.04 0.00 | 35.85 1.08 0.00 | 32.32 0.98 0.00 | 30.22 0.91 -0.26 | 27.60 0.66 0.00 | 26.34 0.65 0.00 | 23.83 0.60 0.00 | 22.07 0.55 -1.04 | 23.67 0.61 0.00 | 25.36 0.74 0.00 | 33.64 1.02 0.00 | 44.93 1.34 0.00 | 53.52 1.54 -1.34 | 40.17 1.12 -0.07 | 34.86 0.89 0.00 | 30.66 0.80 -0.01 |
| DERFIELD_115KV_TB7 355931 | 42.87 0.08 0.00 | 34.03 0.07 0.00 | 32.35 0.07 0.00 | 31.20 0.06 0.00 | 31.15 0.06 0.00 | 30.73 0.06 0.00 | 36.48 0.07 0.00 | 33.73 0.07 0.00 | 33.02 0.05 0.00 | 34.80 0.03 0.00 | 31.37 0.03 0.00 | 29.10 0.04 0.00 | 26.97 0.03 0.00 | 25.71 0.03 0.00 | 23.25 0.02 0.00 | 20.52 0.04 0.00 | 23.10 0.04 0.00 | 24.67 0.06 0.00 | 32.70 0.09 0.00 | 43.72 0.13 0.00 | 50.79 0.15 0.00 | 39.09 0.11 0.00 | 34.04 0.07 0.00 | 29.94 0.08 0.00 |
| DOGLEVILLE___HYD 23807 | 43.71 0.92 0.00 | 34.77 0.82 0.00 | 33.04 0.75 0.00 | 31.88 0.74 0.00 | 31.82 0.73 0.00 | 31.38 0.71 0.00 | 37.21 0.79 0.00 | 34.18 0.52 0.00 | 33.17 0.20 0.00 | 34.42 -0.34 0.00 | 30.87 -0.47 0.00 | 28.64 -0.42 0.00 | 26.52 -0.43 0.00 | 25.23 -0.46 0.00 | 22.76 -0.46 0.00 | 20.13 -0.35 0.00 | 22.72 -0.34 0.00 | 24.56 -0.06 0.00 | 33.08 0.46 0.00 | 44.72 1.14 0.00 | 52.04 1.40 0.00 | 40.09 1.11 0.00 | 34.94 0.98 0.00 | 30.71 0.85 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 40.60 -2.19 0.00 | 31.79 -2.17 0.00 | 30.35 -1.93 0.00 | 29.27 -1.87 0.00 | 29.12 -1.97 0.00 | 28.75 -1.92 0.00 | 34.16 -2.25 0.00 | 31.53 -2.13 0.00 | 31.10 -1.87 0.00 | 32.54 -2.22 0.00 | 29.78 -1.56 0.85 | 26.48 -1.72 0.00 | 25.26 -1.69 0.00 | 24.39 -1.30 0.00 | 21.86 -1.36 0.00 | 15.84 -1.22 3.42 | 21.89 -1.17 0.00 | 23.32 -1.30 0.00 | 30.41 -2.21 0.00 | 40.75 -2.83 0.00 | 43.17 -3.05 4.42 | 36.09 -2.65 0.24 | 31.80 -2.17 0.00 | 28.09 -1.74 0.03 |
| DUNKIRK___1 23563 | 40.60 -2.19 0.00 | 31.79 -2.17 0.00 | 30.35 -1.93 0.00 | 29.27 -1.87 0.00 | 29.12 -1.97 0.00 | 28.75 -1.92 0.00 | 34.16 -2.25 0.00 | 31.53 -2.13 0.00 | 31.10 -1.87 0.00 | 32.54 -2.22 0.00 | 29.78 -1.56 0.85 | 26.48 -1.72 0.00 | 25.26 -1.69 0.00 | 24.39 -1.30 0.00 | 21.86 -1.36 0.00 | 15.84 -1.22 3.42 | 21.89 -1.17 0.00 | 23.32 -1.30 0.00 | 30.41 -2.21 0.00 | 40.75 -2.83 0.00 | 43.17 -3.05 4.42 | 36.09 -2.65 0.24 | 31.80 -2.17 0.00 | 28.09 -1.74 0.03 |
| DUNKIRK___2 23564 | 40.60 -2.19 0.00 | 31.79 -2.17 0.00 | 30.35 -1.93 0.00 | 29.27 -1.87 0.00 | 29.12 -1.97 0.00 | 28.75 -1.92 0.00 | 34.16 -2.25 0.00 | 31.53 -2.13 0.00 | 31.10 -1.87 0.00 | 32.54 -2.22 0.00 | 29.78 -1.56 0.85 | 26.48 -1.72 0.00 | 25.26 -1.69 0.00 | 24.39 -1.30 0.00 | 21.86 -1.36 0.00 | 15.84 -1.22 3.42 | 21.89 -1.17 0.00 | 23.32 -1.30 0.00 | 30.41 -2.21 0.00 | 40.75 -2.83 0.00 | 43.17 -3.05 4.42 | 36.09 -2.65 0.24 | 31.80 -2.17 0.00 | 28.09 -1.74 0.03 |
| DUNKIRK___3 23565 | 40.40 -2.39 0.00 | 31.62 -2.34 0.00 | 30.19 -2.09 0.00 | 29.12 -2.02 0.00 | 28.97 -2.12 0.00 | 28.59 -2.07 0.00 | 34.00 -2.42 0.00 | 31.36 -2.30 0.00 | 30.94 -2.04 0.00 | 32.41 -2.36 0.00 | 29.64 -1.69 0.85 | 26.39 -1.82 0.00 | 25.19 -1.75 0.00 | 24.31 -1.38 0.00 | 21.80 -1.42 0.00 | 15.81 -1.28 3.40 | 21.82 -1.24 0.00 | 23.21 -1.41 0.00 | 30.24 -2.37 0.00 | 40.50 -3.09 0.00 | 42.89 -3.36 4.40 | 35.88 -2.86 0.24 | 31.64 -2.32 0.00 | 27.94 -1.89 0.03 |
| DUNKIRK___4 23566 | 40.40 -2.39 0.00 | 31.62 -2.34 0.00 | 30.19 -2.09 0.00 | 29.12 -2.02 0.00 | 28.97 -2.12 0.00 | 28.59 -2.07 0.00 | 34.00 -2.42 0.00 | 31.36 -2.30 0.00 | 30.94 -2.04 0.00 | 32.41 -2.36 0.00 | 29.64 -1.69 0.85 | 26.39 -1.82 0.00 | 25.19 -1.75 0.00 | 24.31 -1.38 0.00 | 21.80 -1.42 0.00 | 15.81 -1.28 3.40 | 21.82 -1.24 0.00 | 23.21 -1.41 0.00 | 30.24 -2.37 0.00 | 40.50 -3.09 0.00 | 42.89 -3.36 4.40 | 35.88 -2.86 0.24 | 31.64 -2.32 0.00 | 27.94 -1.89 0.03 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 44.77 1.98 0.00 | 35.64 1.68 0.00 | 33.85 1.57 0.00 | 32.58 1.44 0.00 | 32.50 1.41 0.00 | 32.07 1.40 0.00 | 38.04 1.62 0.00 | 35.40 1.74 0.00 | 34.86 1.89 0.00 | 36.89 2.13 0.00 | 33.39 2.05 0.00 | 31.08 2.02 0.00 | 28.79 1.85 0.00 | 27.50 1.81 0.00 | 24.83 1.60 0.00 | 21.95 1.46 0.00 | 24.68 1.62 0.00 | 26.37 1.76 0.00 | 34.76 2.15 0.00 | 46.17 2.58 0.00 | 53.53 2.89 0.00 | 41.15 2.18 0.00 | 35.80 1.84 0.00 | 31.52 1.66 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 44.73 1.94 0.00 | 35.59 1.63 0.00 | 33.81 1.52 0.00 | 32.54 1.39 0.00 | 32.46 1.37 0.00 | 32.03 1.36 0.00 | 38.02 1.60 0.00 | 35.35 1.69 0.00 | 34.76 1.79 0.00 | 36.72 1.96 0.00 | 33.16 1.82 0.00 | 30.91 1.76 -0.09 | 28.51 1.57 0.00 | 27.21 1.52 0.00 | 24.57 1.34 0.00 | 22.08 1.23 -0.36 | 24.46 1.39 0.00 | 26.18 1.56 0.00 | 34.59 1.98 0.00 | 46.04 2.46 0.00 | 53.94 2.82 -0.47 | 41.08 2.08 -0.03 | 35.67 1.71 0.00 | 31.38 1.52 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 44.72 1.93 0.00 | 35.65 1.69 0.00 | 33.87 1.59 0.00 | 32.58 1.44 0.00 | 32.49 1.40 0.00 | 32.05 1.38 0.00 | 38.01 1.59 0.00 | 35.45 1.79 0.00 | 34.92 1.95 0.00 | 36.98 2.22 0.00 | 33.46 2.12 0.00 | 31.15 2.10 0.00 | 28.90 1.95 0.00 | 27.59 1.90 0.00 | 24.89 1.66 0.00 | 22.00 1.52 0.00 | 24.71 1.65 0.00 | 26.41 1.79 0.00 | 34.79 2.18 0.00 | 46.12 2.53 0.00 | 53.48 2.84 0.00 | 41.15 2.17 0.00 | 35.81 1.85 0.00 | 31.55 1.70 0.00 |

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| E179THST_13_KV_LOAD 356214 | 44.89 2.09 0.00 | 35.77 1.81 0.00 | 33.98 1.69 0.00 | 32.68 1.54 0.00 | 32.60 1.51 0.00 | 32.16 1.49 0.00 | 38.14 1.72 0.00 | 35.56 1.90 0.00 | 35.03 2.06 0.00 | 37.12 2.36 0.00 | 33.59 2.26 0.00 | 31.27 2.22 0.00 | 29.01 2.07 0.00 | 27.70 2.02 0.00 | 24.99 1.76 0.00 | 22.09 1.60 0.00 | 24.81 1.75 0.00 | 26.52 1.90 0.00 | 34.93 2.32 0.00 | 46.30 2.72 0.00 | 53.69 3.05 0.00 | 41.31 2.34 0.00 | 35.94 1.98 0.00 | 31.67 1.82 0.00 |
| EAST HAMPTON___GT 23717 | 46.05 3.26 0.00 | 37.05 3.09 0.00 | 35.29 3.00 -0.01 | 34.09 2.94 0.00 | 33.92 2.84 0.00 | 33.52 2.85 0.00 | 39.31 2.90 0.00 | 35.57 1.91 0.00 | 37.07 2.37 -1.72 | 53.78 2.62 -16.40 | 46.18 1.99 -12.85 | 41.23 1.86 -10.32 | 31.82 1.77 -3.10 | 27.25 1.57 0.00 | 24.77 1.54 0.00 | 21.93 1.45 0.00 | 25.47 2.36 -0.04 | 39.00 2.77 -11.62 | 107.69 3.40 -71.68 | 104.72 4.09 -57.04 | 96.00 5.16 -40.20 | 81.31 4.01 -38.32 | 54.83 3.30 -17.57 | 47.01 2.82 -14.33 |
| EAST RIVER___6 23660 | 44.79 2.00 0.00 | 35.67 1.71 0.00 | 33.86 1.57 0.00 | 32.60 1.45 0.00 | 32.51 1.42 0.00 | 32.08 1.42 0.00 | 38.05 1.63 0.00 | 35.45 1.79 0.00 | 34.94 1.97 0.00 | 37.01 2.25 0.00 | 33.51 2.18 0.00 | 31.20 2.15 0.00 | 28.93 1.99 0.00 | 27.64 1.95 0.00 | 24.95 1.73 0.00 | 22.06 1.58 0.00 | 24.80 1.73 0.00 | 26.48 1.86 0.00 | 34.87 2.26 0.00 | 46.27 2.68 0.00 | 53.65 3.01 0.00 | 41.24 2.26 0.00 | 35.88 1.91 0.00 | 31.57 1.71 0.00 |
| EAST RIVER___7 23524 | 44.79 2.00 0.00 | 35.67 1.71 0.00 | 33.86 1.57 0.00 | 32.60 1.45 0.00 | 32.51 1.42 0.00 | 32.08 1.42 0.00 | 38.05 1.63 0.00 | 35.45 1.79 0.00 | 34.94 1.97 0.00 | 37.01 2.25 0.00 | 33.51 2.18 0.00 | 31.20 2.15 0.00 | 28.93 1.99 0.00 | 27.64 1.95 0.00 | 24.95 1.73 0.00 | 22.06 1.58 0.00 | 24.80 1.73 0.00 | 26.48 1.86 0.00 | 34.87 2.26 0.00 | 46.27 2.68 0.00 | 53.65 3.01 0.00 | 41.24 2.26 0.00 | 35.88 1.91 0.00 | 31.57 1.71 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 44.67 1.88 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.51 1.37 0.00 | 32.43 1.34 0.00 | 32.01 1.34 0.00 | 37.97 1.55 0.00 | 35.33 1.67 0.00 | 34.78 1.81 0.00 | 36.80 2.04 0.00 | 33.30 1.96 0.00 | 30.99 1.94 0.00 | 28.71 1.77 0.00 | 27.41 1.73 0.00 | 24.75 1.52 0.00 | 21.88 1.39 0.00 | 24.61 1.55 0.00 | 26.29 1.68 0.00 | 34.66 2.05 0.00 | 46.06 2.47 0.00 | 53.43 2.79 0.00 | 41.05 2.08 0.00 | 35.71 1.75 0.00 | 31.45 1.59 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 46.06 3.27 0.00 | 37.05 3.10 0.00 | 35.29 3.00 -0.01 | 34.09 2.95 0.00 | 33.93 2.84 0.00 | 33.52 2.85 0.00 | 39.31 2.90 0.00 | 35.55 1.89 0.00 | 37.05 2.35 -1.72 | 53.75 2.59 -16.40 | 46.15 1.96 -12.85 | 41.20 1.83 -10.32 | 31.79 1.75 -3.10 | 27.24 1.56 0.00 | 24.76 1.54 0.00 | 21.92 1.44 0.00 | 25.47 2.36 -0.04 | 39.00 2.77 -11.62 | 107.68 3.39 -71.68 | 104.70 4.07 -57.04 | 96.00 5.16 -40.20 | 81.31 4.01 -38.33 | 54.83 3.30 -17.57 | 47.01 2.82 -14.33 |
| EAST_POINT___SOLAR 323840 | 45.03 2.24 0.00 | 35.69 1.74 0.00 | 33.88 1.59 0.00 | 32.66 1.52 0.00 | 32.61 1.52 0.00 | 32.24 1.57 0.00 | 38.19 1.78 0.00 | 34.26 0.60 0.00 | 32.83 -0.14 0.00 | 34.38 -0.38 0.00 | 30.90 -0.44 0.00 | 28.61 -0.45 0.00 | 26.46 -0.48 0.00 | 25.21 -0.48 0.00 | 22.83 -0.39 0.00 | 20.16 -0.33 0.00 | 22.69 -0.38 0.00 | 24.34 -0.27 0.00 | 33.28 0.67 0.00 | 45.82 2.24 0.00 | 53.64 3.00 0.00 | 41.13 2.16 0.00 | 35.77 1.81 0.00 | 31.36 1.51 0.00 |
| EAST_PULASKI___ESR 323781 | 41.57 -1.22 0.00 | 32.93 -1.03 0.00 | 31.26 -1.03 0.00 | 30.17 -0.97 0.00 | 30.11 -0.98 0.00 | 29.76 -0.90 0.00 | 35.32 -1.10 0.00 | 32.61 -1.05 0.00 | 31.83 -1.14 0.00 | 33.59 -1.18 0.00 | 30.31 -1.03 0.00 | 28.03 -1.02 0.00 | 26.09 -0.85 0.00 | 24.87 -0.82 0.00 | 22.46 -0.76 0.00 | 19.83 -0.65 0.00 | 22.28 -0.79 0.00 | 23.78 -0.83 0.00 | 31.53 -1.08 0.00 | 42.31 -1.28 0.00 | 49.25 -1.39 0.00 | 37.86 -1.12 0.00 | 32.98 -0.98 0.00 | 29.02 -0.84 0.00 |
| EAST_RIVER___1 323558 | 44.83 2.04 0.00 | 35.70 1.74 0.00 | 33.90 1.61 0.00 | 32.63 1.49 0.00 | 32.54 1.45 0.00 | 32.12 1.45 0.00 | 38.09 1.67 0.00 | 35.48 1.82 0.00 | 34.96 1.99 0.00 | 37.02 2.25 0.00 | 33.52 2.18 0.00 | 31.20 2.15 0.00 | 28.93 1.99 0.00 | 27.64 1.96 0.00 | 24.95 1.73 0.00 | 22.06 1.58 0.00 | 24.79 1.73 0.00 | 26.47 1.86 0.00 | 34.87 2.25 0.00 | 46.26 2.68 0.00 | 53.65 3.01 0.00 | 41.24 2.26 0.00 | 35.88 1.92 0.00 | 31.59 1.73 0.00 |
| EAST_RIVER___2 323559 | 44.79 2.00 0.00 | 35.67 1.71 0.00 | 33.86 1.57 0.00 | 32.60 1.45 0.00 | 32.51 1.42 0.00 | 32.08 1.42 0.00 | 38.05 1.63 0.00 | 35.45 1.79 0.00 | 34.94 1.97 0.00 | 37.01 2.25 0.00 | 33.51 2.18 0.00 | 31.20 2.15 0.00 | 28.93 1.99 0.00 | 27.64 1.95 0.00 | 24.95 1.73 0.00 | 22.06 1.58 0.00 | 24.80 1.73 0.00 | 26.48 1.86 0.00 | 34.87 2.26 0.00 | 46.27 2.68 0.00 | 53.65 3.01 0.00 | 41.24 2.26 0.00 | 35.88 1.91 0.00 | 31.57 1.71 0.00 |
| EAST___DELAWARE_HYD 23607 | 44.36 1.57 0.00 | 35.28 1.32 0.00 | 33.49 1.20 0.00 | 32.24 1.10 0.00 | 32.16 1.07 0.00 | 31.74 1.07 0.00 | 37.67 1.26 0.00 | 35.01 1.35 0.00 | 34.39 1.42 0.00 | 36.29 1.52 0.00 | 32.61 1.27 0.00 | 30.37 1.21 -0.11 | 27.92 0.98 0.00 | 26.64 0.95 0.00 | 24.06 0.83 0.00 | 21.71 0.79 -0.43 | 23.97 0.90 0.00 | 25.74 1.12 0.00 | 34.14 1.53 0.00 | 45.57 1.99 0.00 | 53.53 2.33 -0.56 | 40.68 1.67 -0.03 | 35.26 1.30 0.00 | 30.99 1.13 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 41.11 -1.68 0.00 | 32.35 -1.61 0.00 | 30.96 -1.33 0.00 | 29.84 -1.31 0.00 | 29.74 -1.35 0.00 | 29.37 -1.30 0.00 | 34.83 -1.59 0.00 | 32.07 -1.59 0.00 | 31.42 -1.55 0.00 | 32.76 -2.00 0.00 | 29.44 -1.89 0.00 | 25.91 -2.01 1.14 | 25.11 -1.83 0.00 | 24.22 -1.47 0.00 | 21.62 -1.60 0.00 | 14.40 -1.54 4.55 | 21.62 -1.44 0.00 | 23.23 -1.39 0.00 | 30.79 -1.82 0.00 | 41.78 -1.81 0.00 | 42.92 -1.83 5.89 | 36.96 -1.71 0.32 | 32.44 -1.53 0.00 | 28.48 -1.34 0.04 |
| ELBRIDGE_115KV_TB2 80188 | 41.80 -0.99 0.00 | 33.10 -0.86 0.00 | 31.49 -0.80 0.00 | 30.37 -0.77 0.00 | 30.31 -0.78 0.00 | 29.91 -0.76 0.00 | 35.52 -0.90 0.00 | 32.78 -0.88 0.00 | 32.06 -0.91 0.00 | 33.81 -0.95 0.00 | 30.46 -0.88 0.00 | 28.05 -0.86 0.14 | 26.33 -0.61 0.00 | 25.13 -0.56 0.00 | 22.70 -0.53 0.00 | 19.46 -0.46 0.57 | 22.55 -0.51 0.00 | 24.08 -0.54 0.00 | 31.89 -0.72 0.00 | 42.77 -0.82 0.00 | 49.00 -0.90 0.73 | 38.19 -0.75 0.04 | 33.28 -0.69 0.00 | 29.26 -0.59 0.00 |
| ELEC_TRO_TEK 24086 | 45.00 2.21 0.00 | 36.02 2.07 0.00 | 34.23 1.93 -0.01 | 32.94 1.80 0.00 | 32.83 1.74 0.00 | 32.42 1.75 0.00 | 38.33 1.92 0.00 | 35.44 1.78 0.00 | 38.07 2.11 -2.99 | 65.82 2.55 -28.51 | 56.10 2.42 -22.34 | 50.52 2.39 -19.06 | 34.55 2.21 -5.39 | 27.68 2.00 0.00 | 24.98 1.75 0.00 | 22.08 1.59 0.00 | 25.02 1.88 -0.08 | 43.65 2.05 -16.98 | 135.32 2.55 -100.16 | 122.24 3.05 -75.60 | 102.56 3.35 -48.57 | 91.31 2.53 -49.81 | 57.42 2.17 -21.29 | 56.78 2.00 -24.92 |
| ELLENBURG_WT_PWR 323604 | 43.09 0.30 0.00 | 34.21 0.25 0.00 | 32.53 0.25 0.00 | 31.40 0.25 0.00 | 31.41 0.32 0.00 | 30.99 0.32 0.00 | 36.83 0.41 0.00 | 34.01 0.35 0.00 | 33.27 0.31 0.00 | 35.01 0.25 0.00 | 31.51 0.17 0.00 | 29.20 0.14 0.00 | 27.01 0.06 0.00 | 25.71 0.02 0.00 | 23.23 0.01 0.00 | 20.51 0.03 0.00 | 23.13 0.07 0.00 | 24.72 0.10 0.00 | 32.80 0.18 0.00 | 43.85 0.27 0.00 | 50.95 0.31 0.00 | 39.28 0.31 0.00 | 34.28 0.32 0.00 | 30.06 0.20 0.00 |

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| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 40.02 -2.77 0.00 | 31.28 -2.68 0.00 | 29.87 -2.42 0.00 | 28.82 -2.32 0.00 | 28.69 -2.40 0.00 | 28.34 -2.33 0.00 | 33.73 -2.69 0.00 | 31.01 -2.65 0.00 | 30.62 -2.35 0.00 | 32.10 -2.66 0.00 | 29.37 -1.96 0.00 | 26.21 -2.05 0.79 | 24.97 -1.98 0.00 | 24.09 -1.60 0.00 | 21.67 -1.56 0.00 | 15.91 -1.41 3.17 | 21.65 -1.41 0.00 | 22.94 -1.67 0.00 | 29.82 -2.80 0.00 | 39.83 -3.76 0.00 | 42.41 -4.13 4.10 | 35.43 -3.33 0.22 | 31.28 -2.68 0.00 | 27.60 -2.23 0.03 |
| EMPIRE_CC_1 323656 | 44.13 1.34 0.00 | 35.12 1.16 0.00 | 33.38 1.10 0.00 | 32.23 1.09 0.00 | 32.17 1.09 0.00 | 31.69 1.02 0.00 | 37.59 1.17 0.00 | 34.82 1.16 0.00 | 34.10 1.13 0.00 | 35.91 1.15 0.00 | 32.37 1.03 0.00 | 30.09 1.03 0.00 | 27.86 0.92 0.00 | 26.50 0.81 0.00 | 23.97 0.74 0.00 | 21.19 0.71 0.00 | 23.88 0.82 0.00 | 25.55 0.93 0.00 | 33.78 1.16 0.00 | 45.12 1.53 0.00 | 52.37 1.73 0.00 | 40.31 1.33 0.00 | 35.16 1.20 0.00 | 30.96 1.10 0.00 |
| EMPIRE_CC_2 323658 | 44.13 1.34 0.00 | 35.12 1.16 0.00 | 33.38 1.10 0.00 | 32.23 1.09 0.00 | 32.17 1.09 0.00 | 31.69 1.02 0.00 | 37.59 1.17 0.00 | 34.82 1.16 0.00 | 34.10 1.13 0.00 | 35.91 1.15 0.00 | 32.37 1.03 0.00 | 30.09 1.03 0.00 | 27.86 0.92 0.00 | 26.50 0.81 0.00 | 23.97 0.74 0.00 | 21.19 0.71 0.00 | 23.88 0.82 0.00 | 25.55 0.93 0.00 | 33.78 1.16 0.00 | 45.12 1.53 0.00 | 52.37 1.73 0.00 | 40.31 1.33 0.00 | 35.16 1.20 0.00 | 30.96 1.10 0.00 |
| ENORWICH_115KV_TB1 80156 | 45.38 2.59 0.00 | 35.92 1.96 0.00 | 34.13 1.85 0.00 | 32.81 1.67 0.00 | 32.90 1.81 0.00 | 32.55 1.88 0.00 | 38.68 2.26 0.00 | 35.40 1.74 0.00 | 34.11 1.14 0.00 | 35.34 0.58 0.00 | 31.56 0.22 0.00 | 29.22 0.02 -0.15 | 27.18 0.23 0.00 | 25.95 0.26 0.00 | 23.38 0.15 0.00 | 21.26 0.18 -0.59 | 23.25 0.18 0.00 | 25.22 0.60 0.00 | 34.20 1.59 0.00 | 46.73 3.15 0.00 | 55.17 3.76 -0.77 | 41.48 2.47 -0.04 | 35.94 1.98 0.00 | 31.68 1.82 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 40.15 -2.64 0.00 | 31.39 -2.57 0.00 | 29.97 -2.32 0.00 | 28.91 -2.24 0.00 | 28.77 -2.32 0.00 | 28.41 -2.26 0.00 | 33.81 -2.61 0.00 | 31.13 -2.53 0.00 | 30.73 -2.25 0.00 | 32.23 -2.56 0.00 | 29.44 -1.90 0.00 | 26.21 -2.02 0.82 | 25.01 -1.94 0.00 | 24.11 -1.57 0.00 | 21.69 -1.54 0.00 | 15.78 -1.39 3.31 | 21.67 -1.39 0.00 | 23.00 -1.61 0.00 | 29.97 -2.65 0.00 | 40.06 -3.52 0.00 | 42.51 -3.84 4.28 | 35.61 -3.14 0.23 | 31.41 -2.55 0.00 | 27.70 -2.13 0.03 |
| ERIE_WT_PWR 323693 | 40.17 -2.62 0.00 | 31.40 -2.55 0.00 | 29.99 -2.29 0.00 | 28.93 -2.21 0.00 | 28.80 -2.28 0.00 | 28.45 -2.22 0.00 | 33.86 -2.56 0.00 | 31.17 -2.48 0.00 | 30.75 -2.23 0.00 | 32.20 -2.56 0.00 | 29.45 -1.89 0.00 | 26.23 -2.02 0.81 | 24.99 -1.95 0.00 | 24.12 -1.56 0.00 | 21.69 -1.53 0.00 | 15.83 -1.40 3.26 | 21.68 -1.39 0.00 | 22.99 -1.63 0.00 | 29.93 -2.68 0.00 | 40.01 -3.57 0.00 | 42.46 -3.95 4.22 | 35.56 -3.19 0.23 | 31.37 -2.59 0.00 | 27.68 -2.15 0.03 |
| ESPRGFLD_115KV_TB1 80157 | 44.37 1.58 0.00 | 35.17 1.21 0.00 | 33.40 1.11 0.00 | 32.17 1.02 0.00 | 32.13 1.04 0.00 | 31.77 1.10 0.00 | 37.73 1.32 0.00 | 34.74 1.08 0.00 | 33.91 0.94 0.00 | 35.75 0.98 0.00 | 32.23 0.89 0.00 | 29.97 0.77 -0.14 | 27.55 0.61 0.00 | 26.31 0.62 0.00 | 23.80 0.57 0.00 | 21.53 0.49 -0.55 | 23.55 0.49 0.00 | 25.19 0.57 0.00 | 33.60 0.99 0.00 | 45.21 1.62 0.00 | 53.36 2.00 -0.71 | 40.46 1.44 -0.04 | 35.11 1.15 0.00 | 30.82 0.96 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 42.60 -0.19 0.00 | 33.69 -0.26 0.00 | 32.04 -0.24 0.00 | 30.89 -0.25 0.00 | 30.84 -0.25 0.00 | 30.44 -0.22 0.00 | 36.17 -0.25 0.00 | 33.31 -0.35 0.00 | 32.42 -0.55 0.00 | 33.99 -0.78 0.00 | 30.52 -0.82 0.27 | 27.98 -0.81 0.00 | 26.59 -0.35 0.00 | 25.37 -0.31 0.00 | 22.91 -0.32 0.00 | 19.14 -0.28 1.07 | 22.77 -0.29 0.00 | 24.40 -0.22 0.00 | 32.57 -0.05 0.00 | 43.98 0.40 0.00 | 49.84 0.58 1.38 | 39.23 0.33 0.07 | 34.18 0.21 0.00 | 30.04 0.19 0.01 |
| ETNA____115KV_TB2 80207 | 42.60 -0.19 0.00 | 33.69 -0.26 0.00 | 32.04 -0.24 0.00 | 30.89 -0.25 0.00 | 30.84 -0.25 0.00 | 30.44 -0.22 0.00 | 36.17 -0.25 0.00 | 33.31 -0.35 0.00 | 32.42 -0.55 0.00 | 33.99 -0.78 0.00 | 30.52 -0.82 0.27 | 27.98 -0.81 0.00 | 26.59 -0.35 0.00 | 25.37 -0.31 0.00 | 22.91 -0.32 0.00 | 19.14 -0.28 1.07 | 22.77 -0.29 0.00 | 24.40 -0.22 0.00 | 32.57 -0.05 0.00 | 43.98 0.40 0.00 | 49.84 0.58 1.38 | 39.23 0.33 0.07 | 34.18 0.21 0.00 | 30.04 0.19 0.01 |
| EUCLID__115KV_TB2 356179 | 41.65 -1.14 0.00 | 33.00 -0.96 0.00 | 31.38 -0.90 0.00 | 30.27 -0.88 0.00 | 30.21 -0.88 0.00 | 29.81 -0.86 0.00 | 35.40 -1.02 0.00 | 32.69 -0.97 0.00 | 32.01 -0.97 0.00 | 33.81 -0.95 0.00 | 30.48 -0.86 0.00 | 28.23 -0.83 0.00 | 26.31 -0.64 0.00 | 25.10 -0.58 0.00 | 22.69 -0.53 0.00 | 20.02 -0.47 0.00 | 22.54 -0.53 0.00 | 24.03 -0.58 0.00 | 31.80 -0.82 0.00 | 42.57 -1.02 0.00 | 49.47 -1.16 0.00 | 38.04 -0.93 0.00 | 33.12 -0.84 0.00 | 29.12 -0.74 0.00 |
| E_CANADA_CAP_HY 24051 | 44.46 1.66 0.00 | 35.26 1.30 0.00 | 33.45 1.17 0.00 | 32.24 1.09 0.00 | 32.18 1.09 0.00 | 31.82 1.15 0.00 | 37.78 1.36 0.00 | 34.61 0.95 0.00 | 33.64 0.67 0.00 | 35.42 0.65 0.00 | 31.91 0.57 0.00 | 29.64 0.49 -0.10 | 27.34 0.39 0.00 | 26.07 0.38 0.00 | 23.61 0.39 0.00 | 21.19 0.32 -0.38 | 23.33 0.27 0.00 | 24.88 0.27 0.00 | 33.33 0.72 0.00 | 45.15 1.56 0.00 | 53.19 2.06 -0.50 | 40.54 1.54 -0.03 | 35.25 1.29 0.00 | 30.94 1.07 0.00 |
| E_CANADA_MHWK_HY 24050 | 43.71 0.92 0.00 | 34.77 0.82 0.00 | 33.04 0.75 0.00 | 31.88 0.74 0.00 | 31.82 0.73 0.00 | 31.38 0.71 0.00 | 37.21 0.79 0.00 | 34.18 0.52 0.00 | 33.17 0.20 0.00 | 34.42 -0.34 0.00 | 30.87 -0.47 0.00 | 28.64 -0.42 0.00 | 26.52 -0.43 0.00 | 25.23 -0.46 0.00 | 22.76 -0.46 0.00 | 20.13 -0.36 0.00 | 22.72 -0.34 0.00 | 24.55 -0.06 0.00 | 33.08 0.46 0.00 | 44.72 1.14 0.00 | 52.04 1.40 0.00 | 40.08 1.11 0.00 | 34.94 0.98 0.00 | 30.71 0.85 0.00 |
| E_FISHKILL__LBMP 23776 | 44.45 1.66 0.00 | 35.38 1.42 0.00 | 33.61 1.33 0.00 | 32.35 1.20 0.00 | 32.27 1.18 0.00 | 31.85 1.18 0.00 | 37.78 1.37 0.00 | 35.13 1.47 0.00 | 34.55 1.58 0.00 | 36.52 1.75 0.00 | 33.01 1.67 0.00 | 30.72 1.66 0.00 | 28.46 1.52 0.00 | 27.15 1.47 0.00 | 24.52 1.29 0.00 | 21.68 1.20 0.00 | 24.40 1.34 0.00 | 26.08 1.47 0.00 | 34.40 1.79 0.00 | 45.75 2.17 0.00 | 53.09 2.45 0.00 | 40.80 1.82 0.00 | 35.49 1.53 0.00 | 31.23 1.37 0.00 |
| FALCON__SEABRD_CC1 323796 | 43.49 0.70 0.00 | 34.54 0.58 0.00 | 32.85 0.57 0.00 | 31.69 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.76 0.00 | 34.35 0.69 0.00 | 33.59 0.62 0.00 | 35.31 0.55 0.00 | 31.77 0.43 0.00 | 29.45 0.39 0.00 | 27.25 0.30 0.00 | 25.92 0.24 0.00 | 23.40 0.18 0.00 | 20.71 0.22 0.00 | 23.37 0.31 0.00 | 25.00 0.38 0.00 | 33.14 0.53 0.00 | 44.35 0.76 0.00 | 51.51 0.88 0.00 | 39.71 0.73 0.00 | 34.65 0.69 0.00 | 30.35 0.49 0.00 |
| FALCON__SEABRD_CC2 323797 | 43.49 0.70 0.00 | 34.54 0.58 0.00 | 32.85 0.57 0.00 | 31.69 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.76 0.00 | 34.35 0.69 0.00 | 33.59 0.62 0.00 | 35.31 0.55 0.00 | 31.77 0.43 0.00 | 29.45 0.39 0.00 | 27.25 0.30 0.00 | 25.92 0.24 0.00 | 23.40 0.18 0.00 | 20.71 0.22 0.00 | 23.37 0.31 0.00 | 25.00 0.38 0.00 | 33.14 0.53 0.00 | 44.35 0.76 0.00 | 51.51 0.88 0.00 | 39.71 0.73 0.00 | 34.65 0.69 0.00 | 30.35 0.49 0.00 |

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| FAR ROCKAWAY___4 23548 | 45.54 2.75 0.00 | 36.55 2.60 0.00 | 34.70 2.41 -0.01 | 33.39 2.24 0.00 | 33.27 2.18 0.00 | 32.86 2.20 0.00 | 38.88 2.46 0.00 | 35.95 2.29 0.00 | 38.70 2.64 -3.09 | 67.33 3.10 -29.47 | 57.36 2.93 -23.09 | 51.59 2.83 -19.71 | 35.13 2.61 -5.57 | 28.06 2.37 0.00 | 25.30 2.08 0.00 | 22.36 1.87 0.00 | 25.32 2.18 -0.08 | 44.50 2.33 -17.55 | 139.05 2.91 -103.53 | 125.29 3.55 -78.15 | 104.78 3.93 -50.21 | 93.45 2.99 -51.49 | 58.52 2.56 -22.01 | 57.93 2.31 -25.76 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 44.84 2.05 0.00 | 35.70 1.75 0.00 | 33.91 1.63 0.00 | 32.63 1.49 0.00 | 32.55 1.45 0.00 | 32.12 1.45 0.00 | 38.10 1.69 0.00 | 35.49 1.83 0.00 | 34.97 2.00 0.00 | 37.02 2.26 0.00 | 33.53 2.19 0.00 | 31.21 2.16 0.00 | 28.94 2.00 0.00 | 27.65 1.96 0.00 | 24.96 1.74 0.00 | 22.06 1.58 0.00 | 24.80 1.74 0.00 | 26.48 1.86 0.00 | 34.87 2.26 0.00 | 46.28 2.69 0.00 | 53.64 3.00 0.00 | 41.24 2.27 0.00 | 35.89 1.93 0.00 | 31.60 1.74 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 44.85 2.06 0.00 | 35.72 1.76 0.00 | 33.92 1.64 0.00 | 32.64 1.50 0.00 | 32.56 1.47 0.00 | 32.13 1.46 0.00 | 38.10 1.69 0.00 | 35.50 1.84 0.00 | 34.98 2.00 0.00 | 37.04 2.27 0.00 | 33.54 2.20 0.00 | 31.22 2.17 0.00 | 28.95 2.00 0.00 | 27.66 1.97 0.00 | 24.96 1.74 0.00 | 22.06 1.58 0.00 | 24.80 1.74 0.00 | 26.48 1.87 0.00 | 34.88 2.27 0.00 | 46.28 2.69 0.00 | 53.68 3.04 0.00 | 41.27 2.29 0.00 | 35.90 1.94 0.00 | 31.61 1.75 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 44.82 2.03 0.00 | 35.69 1.74 0.00 | 33.89 1.61 0.00 | 32.62 1.48 0.00 | 32.54 1.45 0.00 | 32.10 1.43 0.00 | 38.08 1.67 0.00 | 35.48 1.82 0.00 | 34.96 1.98 0.00 | 37.02 2.25 0.00 | 33.51 2.18 0.00 | 31.20 2.14 0.00 | 28.93 1.98 0.00 | 27.64 1.95 0.00 | 24.95 1.72 0.00 | 22.05 1.57 0.00 | 24.79 1.72 0.00 | 26.46 1.85 0.00 | 34.85 2.24 0.00 | 46.24 2.66 0.00 | 53.63 2.99 0.00 | 41.23 2.25 0.00 | 35.88 1.92 0.00 | 31.58 1.73 0.00 |
| FARRAGUT___LBMP 323566 | 44.80 2.00 0.00 | 35.66 1.71 0.00 | 33.88 1.60 0.00 | 32.60 1.46 0.00 | 32.52 1.42 0.00 | 32.09 1.42 0.00 | 38.06 1.65 0.00 | 35.46 1.80 0.00 | 34.93 1.96 0.00 | 36.98 2.22 0.00 | 33.48 2.15 0.00 | 31.17 2.12 0.00 | 28.90 1.96 0.00 | 27.62 1.93 0.00 | 24.93 1.70 0.00 | 22.04 1.55 0.00 | 24.77 1.70 0.00 | 26.44 1.83 0.00 | 34.83 2.22 0.00 | 46.21 2.62 0.00 | 53.58 2.94 0.00 | 41.20 2.22 0.00 | 35.85 1.89 0.00 | 31.56 1.71 0.00 |
| FENNER___WINDPWR 24204 | 43.05 0.25 0.00 | 34.09 0.13 0.00 | 32.40 0.11 0.00 | 31.25 0.10 0.00 | 31.21 0.12 0.00 | 30.82 0.15 0.00 | 36.59 0.17 0.00 | 33.71 0.05 0.00 | 32.82 -0.15 0.00 | 34.43 -0.33 0.00 | 30.93 -0.40 0.00 | 28.66 -0.39 0.00 | 26.78 -0.17 0.00 | 25.54 -0.15 0.00 | 23.08 -0.15 0.00 | 20.35 -0.14 0.00 | 22.94 -0.12 0.00 | 24.56 -0.05 0.00 | 32.76 0.15 0.00 | 44.17 0.59 0.00 | 51.45 0.81 0.00 | 39.50 0.52 0.00 | 34.36 0.39 0.00 | 30.20 0.34 0.00 |
| FIBERTEK___ENERGY 23856 | 42.01 -0.78 0.00 | 33.27 -0.69 0.00 | 31.64 -0.65 0.00 | 30.52 -0.62 0.00 | 30.46 -0.63 0.00 | 30.06 -0.60 0.00 | 35.70 -0.72 0.00 | 32.95 -0.71 0.00 | 32.22 -0.75 0.00 | 34.00 -0.76 0.00 | 30.63 -0.71 0.00 | 28.24 -0.70 0.12 | 26.47 -0.48 0.00 | 25.25 -0.44 0.00 | 22.81 -0.41 0.00 | 19.65 -0.36 0.48 | 22.66 -0.40 0.00 | 24.21 -0.41 0.00 | 32.09 -0.52 0.00 | 43.00 -0.58 0.00 | 49.40 -0.63 0.62 | 38.39 -0.55 0.03 | 33.45 -0.51 0.00 | 29.40 -0.45 0.00 |
| FITZPATRICK___ 23598 | 41.16 -1.64 0.00 | 32.62 -1.34 0.00 | 31.03 -1.26 0.00 | 29.93 -1.22 0.00 | 29.87 -1.22 0.00 | 29.47 -1.20 0.00 | 35.00 -1.42 0.00 | 32.32 -1.34 0.00 | 31.66 -1.31 0.00 | 33.47 -1.29 0.00 | 30.18 -1.16 0.00 | 27.96 -1.09 0.00 | 26.02 -0.92 0.00 | 24.82 -0.87 0.00 | 22.43 -0.79 0.00 | 19.80 -0.69 0.00 | 22.26 -0.80 0.00 | 23.72 -0.90 0.00 | 31.35 -1.27 0.00 | 41.93 -1.65 0.00 | 48.74 -1.90 0.00 | 37.50 -1.47 0.00 | 32.66 -1.30 0.00 | 28.72 -1.14 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 45.02 2.23 0.00 | 35.80 1.84 0.00 | 34.01 1.72 0.00 | 32.73 1.59 0.00 | 32.65 1.56 0.00 | 32.23 1.56 0.00 | 38.25 1.83 0.00 | 35.57 1.91 0.00 | 34.98 2.01 0.00 | 36.95 2.19 0.00 | 33.35 2.02 0.00 | 30.99 1.94 0.00 | 28.70 1.75 0.00 | 27.37 1.68 0.00 | 24.70 1.48 0.00 | 21.85 1.36 0.00 | 24.63 1.57 0.00 | 26.39 1.77 0.00 | 34.85 2.24 0.00 | 46.39 2.80 0.00 | 53.83 3.19 0.00 | 41.34 2.36 0.00 | 35.93 1.97 0.00 | 31.59 1.73 0.00 |
| FORT ORANGE___ 23900 | 43.69 0.90 0.00 | 34.81 0.85 0.00 | 33.09 0.80 0.00 | 31.93 0.78 0.00 | 31.86 0.77 0.00 | 31.41 0.74 0.00 | 37.27 0.85 0.00 | 34.50 0.84 0.00 | 33.76 0.79 0.00 | 35.48 0.72 0.00 | 31.94 0.60 0.00 | 29.67 0.62 0.00 | 27.50 0.56 0.00 | 26.18 0.49 0.00 | 23.68 0.46 0.00 | 20.95 0.47 0.00 | 23.62 0.55 0.00 | 25.29 0.67 0.00 | 33.48 0.87 0.00 | 44.74 1.16 0.00 | 51.97 1.33 0.00 | 40.02 1.05 0.00 | 34.87 0.91 0.00 | 30.68 0.83 0.00 |
| FORT_DRUM_COGEN 23780 | 41.84 -0.95 0.00 | 33.10 -0.86 0.00 | 31.42 -0.87 0.00 | 30.45 -0.69 0.00 | 30.51 -0.57 0.00 | 30.11 -0.55 0.00 | 35.65 -0.77 0.00 | 32.42 -1.24 0.00 | 30.82 -2.15 0.00 | 32.15 -2.61 0.00 | 28.89 -2.46 0.00 | 26.76 -2.30 0.00 | 24.88 -2.06 0.00 | 23.72 -1.97 0.00 | 21.37 -1.85 0.00 | 18.85 -1.63 0.00 | 21.17 -1.90 0.00 | 22.59 -2.03 0.00 | 30.52 -2.09 0.00 | 42.07 -1.51 0.00 | 49.96 -0.67 0.00 | 38.10 -0.88 0.00 | 33.26 -0.70 0.00 | 29.19 -0.67 0.00 |
| FOX_HILLS___ESR 323835 | 44.89 2.10 0.00 | 35.77 1.81 0.00 | 33.96 1.68 0.00 | 32.68 1.53 0.00 | 32.59 1.50 0.00 | 32.15 1.48 0.00 | 38.14 1.73 0.00 | 35.56 1.90 0.00 | 35.02 2.05 0.00 | 37.10 2.33 0.00 | 33.60 2.26 0.00 | 31.24 2.19 0.00 | 28.97 2.03 0.00 | 27.67 1.98 0.00 | 24.97 1.75 0.00 | 22.06 1.58 0.00 | 24.78 1.72 0.00 | 26.46 1.85 0.00 | 34.87 2.26 0.00 | 46.28 2.70 0.00 | 53.76 3.12 0.00 | 41.36 2.38 0.00 | 35.96 2.00 0.00 | 31.68 1.82 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 45.54 2.75 0.00 | 36.55 2.60 0.00 | 34.70 2.40 -0.01 | 33.39 2.25 0.00 | 33.27 2.18 0.00 | 32.86 2.20 0.00 | 38.88 2.46 0.00 | 35.94 2.28 0.00 | 38.70 2.64 -3.09 | 67.33 3.09 -29.47 | 57.35 2.93 -23.09 | 51.60 2.84 -19.71 | 35.13 2.61 -5.57 | 28.05 2.37 0.00 | 25.30 2.08 0.00 | 22.36 1.88 0.00 | 25.32 2.18 -0.08 | 44.50 2.33 -17.55 | 139.06 2.91 -103.53 | 125.29 3.56 -78.15 | 104.79 3.95 -50.21 | 93.45 2.99 -51.49 | 58.52 2.56 -22.01 | 57.93 2.31 -25.76 |
| FPL_FAR_ROCK_GT2 23815 | 45.54 2.75 0.00 | 36.55 2.60 0.00 | 34.70 2.40 -0.01 | 33.39 2.25 0.00 | 33.27 2.18 0.00 | 32.86 2.20 0.00 | 38.88 2.46 0.00 | 35.94 2.28 0.00 | 38.70 2.64 -3.09 | 67.33 3.09 -29.47 | 57.35 2.93 -23.09 | 51.60 2.84 -19.71 | 35.13 2.61 -5.57 | 28.05 2.37 0.00 | 25.30 2.08 0.00 | 22.36 1.88 0.00 | 25.32 2.18 -0.08 | 44.50 2.33 -17.55 | 139.06 2.91 -103.53 | 125.29 3.56 -78.15 | 104.79 3.95 -50.21 | 93.45 2.99 -51.49 | 58.52 2.56 -22.01 | 57.93 2.31 -25.76 |
| FRANKLIN_FALL_HYD 24054 | 42.94 0.15 0.00 | 34.09 0.13 0.00 | 32.41 0.12 0.00 | 31.29 0.15 0.00 | 31.31 0.22 0.00 | 30.91 0.25 0.00 | 36.76 0.34 0.00 | 33.91 0.25 0.00 | 33.08 0.11 0.00 | 34.80 0.03 0.00 | 31.29 -0.05 0.00 | 28.96 -0.10 0.00 | 26.78 -0.16 0.00 | 25.51 -0.18 0.00 | 23.03 -0.19 0.00 | 20.31 -0.18 0.00 | 22.91 -0.16 0.00 | 24.50 -0.11 0.00 | 32.58 -0.03 0.00 | 43.68 0.09 0.00 | 50.85 0.21 0.00 | 39.22 0.24 0.00 | 34.19 0.23 0.00 | 29.95 0.09 0.00 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| FREEPORT_EQUS_GT1 23764 | 45.24 2.45 0.00 | 36.22 2.26 0.00 | 34.40 2.11 -0.01 | 33.12 1.98 0.00 | 33.00 1.91 0.00 | 32.59 1.93 0.00 | 38.54 2.12 0.00 | 35.59 1.93 0.00 | 37.56 2.31 -2.28 | 59.21 2.74 -21.71 | 50.95 2.60 -17.01 | 46.12 2.55 -14.52 | 33.40 2.35 -4.11 | 27.79 2.10 0.00 | 25.06 1.84 0.00 | 22.15 1.66 0.00 | 25.09 1.97 -0.06 | 39.71 2.17 -12.93 | 111.58 2.74 -76.23 | 104.46 3.33 -57.54 | 91.34 3.74 -36.97 | 79.71 2.82 -37.91 | 52.59 2.43 -16.20 | 51.05 2.23 -18.97 |
| FREEPORT___CT2 23818 | 45.24 2.45 0.00 | 36.22 2.26 0.00 | 34.40 2.11 -0.01 | 33.12 1.98 0.00 | 33.00 1.91 0.00 | 32.59 1.93 0.00 | 38.54 2.12 0.00 | 35.59 1.93 0.00 | 37.56 2.31 -2.28 | 59.21 2.74 -21.71 | 50.95 2.60 -17.01 | 46.12 2.55 -14.52 | 33.40 2.35 -4.11 | 27.79 2.10 0.00 | 25.06 1.84 0.00 | 22.15 1.66 0.00 | 25.09 1.97 -0.06 | 39.71 2.17 -12.93 | 111.58 2.74 -76.23 | 104.46 3.33 -57.54 | 91.34 3.74 -36.97 | 79.71 2.82 -37.91 | 52.59 2.43 -16.20 | 51.05 2.23 -18.97 |
| FRESHKLS_33_KV_LOAD 356253 | 44.97 2.17 0.00 | 35.83 1.87 0.00 | 34.02 1.73 0.00 | 32.72 1.58 0.00 | 32.63 1.55 0.00 | 32.20 1.53 0.00 | 38.21 1.79 0.00 | 35.61 1.96 0.00 | 35.08 2.10 0.00 | 37.15 2.39 0.00 | 33.64 2.31 0.00 | 31.27 2.21 0.00 | 28.97 2.03 0.00 | 27.66 1.97 0.00 | 24.97 1.74 0.00 | 22.05 1.57 0.00 | 24.78 1.72 0.00 | 26.46 1.85 0.00 | 34.89 2.28 0.00 | 46.36 2.78 0.00 | 53.89 3.25 0.00 | 41.45 2.47 0.00 | 36.03 2.07 0.00 | 31.72 1.86 0.00 |
| FULTON COGEN____ 23766 | 41.19 -1.61 0.00 | 32.63 -1.33 0.00 | 31.03 -1.26 0.00 | 29.94 -1.20 0.00 | 29.88 -1.21 0.00 | 29.49 -1.17 0.00 | 35.00 -1.41 0.00 | 32.32 -1.34 0.00 | 31.62 -1.36 0.00 | 33.40 -1.36 0.00 | 30.11 -1.23 0.00 | 27.88 -1.17 0.00 | 25.97 -0.98 0.00 | 24.77 -0.92 0.00 | 22.38 -0.84 0.00 | 19.75 -0.73 0.00 | 22.22 -0.85 0.00 | 23.68 -0.93 0.00 | 31.37 -1.24 0.00 | 42.04 -1.54 0.00 | 48.91 -1.73 0.00 | 37.61 -1.37 0.00 | 32.74 -1.22 0.00 | 28.78 -1.08 0.00 |
| FULTON___LFGE 323630 | 44.72 1.93 0.00 | 35.46 1.50 0.00 | 33.66 1.37 0.00 | 32.45 1.30 0.00 | 32.39 1.30 0.00 | 32.01 1.34 0.00 | 38.00 1.58 0.00 | 34.76 1.10 0.00 | 33.65 0.67 0.00 | 34.95 0.18 0.00 | 31.35 0.01 0.00 | 29.05 0.00 0.00 | 26.88 -0.06 0.00 | 25.61 -0.08 0.00 | 23.18 -0.05 0.00 | 20.47 -0.02 0.00 | 23.05 -0.01 0.00 | 24.73 0.11 0.00 | 33.51 0.90 0.00 | 45.62 2.03 0.00 | 53.22 2.58 0.00 | 40.87 1.90 0.00 | 35.54 1.58 0.00 | 31.18 1.32 0.00 |
| G.F.CEMENT___DRP 24184 | 45.12 2.32 0.00 | 35.79 1.83 0.00 | 34.04 1.75 0.00 | 32.74 1.60 0.00 | 32.70 1.61 0.00 | 32.34 1.67 0.00 | 38.35 1.93 0.00 | 35.42 1.76 0.00 | 34.49 1.52 0.00 | 36.00 1.23 0.00 | 32.18 0.85 0.00 | 29.89 0.83 0.00 | 27.67 0.73 0.00 | 26.27 0.59 0.00 | 23.71 0.49 0.00 | 21.05 0.56 0.00 | 23.86 0.80 0.00 | 25.81 1.20 0.00 | 34.48 1.86 0.00 | 46.29 2.71 0.00 | 53.75 3.11 0.00 | 41.21 2.23 0.00 | 35.86 1.90 0.00 | 31.46 1.60 0.00 |
| GARDENVILLE___LBMP 24039 | 40.09 -2.70 0.00 | 31.35 -2.61 0.00 | 29.94 -2.35 0.00 | 28.88 -2.26 0.00 | 28.75 -2.34 0.00 | 28.39 -2.28 0.00 | 33.79 -2.63 0.00 | 31.09 -2.57 0.00 | 30.68 -2.29 0.00 | 32.15 -2.61 0.00 | 29.40 -1.93 0.00 | 26.22 -2.03 0.81 | 24.99 -1.95 0.00 | 24.10 -1.58 0.00 | 21.68 -1.55 0.00 | 15.82 -1.40 3.26 | 21.66 -1.40 0.00 | 22.96 -1.65 0.00 | 29.89 -2.73 0.00 | 39.96 -3.63 0.00 | 42.44 -3.99 4.22 | 35.52 -3.23 0.23 | 31.36 -2.60 0.00 | 27.66 -2.17 0.03 |
| GARDNVLA_35_KV_LD 355827 | 40.21 -2.58 0.00 | 31.43 -2.53 0.00 | 30.00 -2.28 0.00 | 28.94 -2.20 0.00 | 28.82 -2.27 0.00 | 28.46 -2.21 0.00 | 33.88 -2.54 0.00 | 31.18 -2.48 0.00 | 30.77 -2.20 0.00 | 32.25 -2.51 0.00 | 29.48 -1.86 0.00 | 26.27 -1.97 0.81 | 25.04 -1.91 0.00 | 24.15 -1.53 0.00 | 21.72 -1.50 0.00 | 15.86 -1.36 3.27 | 21.71 -1.35 0.00 | 23.03 -1.58 0.00 | 29.98 -2.64 0.00 | 40.07 -3.51 0.00 | 42.56 -3.86 4.23 | 35.62 -3.13 0.23 | 31.44 -2.52 0.00 | 27.72 -2.11 0.03 |
| GELCKHM___115KV_LOAD 80723 | 41.79 -1.00 0.00 | 33.10 -0.86 0.00 | 31.48 -0.80 0.00 | 30.36 -0.78 0.00 | 30.30 -0.79 0.00 | 29.90 -0.76 0.00 | 35.52 -0.90 0.00 | 32.78 -0.88 0.00 | 32.08 -0.90 0.00 | 33.88 -0.89 0.00 | 30.54 -0.80 0.00 | 28.18 -0.78 0.10 | 26.36 -0.58 0.00 | 25.15 -0.53 0.00 | 22.73 -0.49 0.00 | 19.67 -0.43 0.39 | 22.57 -0.49 0.00 | 24.09 -0.52 0.00 | 31.90 -0.71 0.00 | 42.72 -0.87 0.00 | 49.16 -0.98 0.50 | 38.15 -0.80 0.03 | 33.24 -0.72 0.00 | 29.22 -0.63 0.00 |
| GENERAL___MILLS 23808 | 40.16 -2.63 0.00 | 31.40 -2.56 0.00 | 29.97 -2.32 0.00 | 28.91 -2.23 0.00 | 28.79 -2.30 0.00 | 28.43 -2.24 0.00 | 33.84 -2.58 0.00 | 31.14 -2.51 0.00 | 30.74 -2.23 0.00 | 32.22 -2.55 0.00 | 29.44 -1.89 0.00 | 26.24 -2.01 0.81 | 25.01 -1.94 0.00 | 24.12 -1.56 0.00 | 21.69 -1.53 0.00 | 15.84 -1.39 3.26 | 21.68 -1.39 0.00 | 23.00 -1.62 0.00 | 29.93 -2.69 0.00 | 40.00 -3.58 0.00 | 42.48 -3.94 4.22 | 35.57 -3.18 0.23 | 31.40 -2.56 0.00 | 27.69 -2.14 0.03 |
| GE_PLASTICS___DRP 24183 | 43.61 0.82 0.00 | 34.73 0.77 0.00 | 33.01 0.72 0.00 | 31.84 0.69 0.00 | 31.78 0.69 0.00 | 31.33 0.66 0.00 | 37.17 0.75 0.00 | 34.43 0.77 0.00 | 33.73 0.76 0.00 | 35.52 0.75 0.00 | 32.01 0.67 0.00 | 29.73 0.68 0.00 | 27.55 0.60 0.00 | 26.23 0.55 0.00 | 23.74 0.52 0.00 | 20.98 0.50 0.00 | 23.63 0.57 0.00 | 25.29 0.67 0.00 | 33.45 0.84 0.00 | 44.63 1.05 0.00 | 51.81 1.18 0.00 | 39.90 0.92 0.00 | 34.75 0.79 0.00 | 30.60 0.74 0.00 |
| GILBOA___1 23756 | 43.87 1.08 0.00 | 34.88 0.93 0.00 | 33.16 0.87 0.00 | 31.97 0.82 0.00 | 31.89 0.80 0.00 | 31.46 0.79 0.00 | 37.34 0.92 0.00 | 34.60 0.94 0.00 | 33.95 0.98 0.00 | 35.80 1.04 0.00 | 32.31 0.97 0.00 | 30.10 0.95 -0.10 | 27.72 0.77 0.00 | 26.43 0.74 0.00 | 23.96 0.74 0.00 | 21.56 0.69 -0.39 | 23.76 0.70 0.00 | 25.41 0.80 0.00 | 33.60 0.98 0.00 | 44.76 1.18 0.00 | 52.48 1.34 -0.50 | 40.06 1.05 -0.03 | 34.86 0.90 0.00 | 30.67 0.81 0.00 |
| GILBOA___2 23757 | 43.87 1.08 0.00 | 34.88 0.93 0.00 | 33.16 0.87 0.00 | 31.97 0.82 0.00 | 31.89 0.80 0.00 | 31.46 0.79 0.00 | 37.34 0.92 0.00 | 34.60 0.94 0.00 | 33.95 0.98 0.00 | 35.80 1.04 0.00 | 32.31 0.97 0.00 | 30.10 0.95 -0.10 | 27.72 0.77 0.00 | 26.43 0.74 0.00 | 23.96 0.74 0.00 | 21.56 0.69 -0.39 | 23.76 0.70 0.00 | 25.41 0.80 0.00 | 33.60 0.98 0.00 | 44.76 1.18 0.00 | 52.48 1.34 -0.50 | 40.06 1.05 -0.03 | 34.86 0.90 0.00 | 30.67 0.81 0.00 |
| GILBOA___3 23758 | 43.87 1.08 0.00 | 34.88 0.93 0.00 | 33.16 0.87 0.00 | 31.97 0.82 0.00 | 31.89 0.80 0.00 | 31.46 0.79 0.00 | 37.34 0.92 0.00 | 34.60 0.94 0.00 | 33.95 0.98 0.00 | 35.80 1.04 0.00 | 32.31 0.97 0.00 | 30.10 0.95 -0.10 | 27.72 0.77 0.00 | 26.43 0.74 0.00 | 23.96 0.74 0.00 | 21.56 0.69 -0.39 | 23.76 0.70 0.00 | 25.41 0.80 0.00 | 33.60 0.98 0.00 | 44.76 1.18 0.00 | 52.48 1.34 -0.50 | 40.06 1.05 -0.03 | 34.86 0.90 0.00 | 30.67 0.81 0.00 |
| GILBOA___4 23759 | 43.87 1.08 0.00 | 34.88 0.93 0.00 | 33.16 0.87 0.00 | 31.97 0.82 0.00 | 31.89 0.80 0.00 | 31.46 0.79 0.00 | 37.34 0.92 0.00 | 34.60 0.94 0.00 | 33.95 0.98 0.00 | 35.80 1.04 0.00 | 32.31 0.97 0.00 | 30.10 0.95 -0.10 | 27.72 0.77 0.00 | 26.43 0.74 0.00 | 23.96 0.74 0.00 | 21.56 0.69 -0.39 | 23.76 0.70 0.00 | 25.41 0.80 0.00 | 33.60 0.98 0.00 | 44.76 1.18 0.00 | 52.48 1.34 -0.50 | 40.06 1.05 -0.03 | 34.86 0.90 0.00 | 30.67 0.81 0.00 |

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| GILBOA____ 23599 | 43.87 1.08 0.00 | 34.88 0.93 0.00 | 33.16 0.87 0.00 | 31.96 0.82 0.00 | 31.89 0.80 0.00 | 31.46 0.79 0.00 | 37.34 0.92 0.00 | 34.61 0.95 0.00 | 33.95 0.98 0.00 | 35.80 1.04 0.00 | 32.31 0.97 0.00 | 30.10 0.95 -0.10 | 27.72 0.77 0.00 | 26.43 0.74 0.00 | 23.96 0.74 0.00 | 21.56 0.69 -0.39 | 23.76 0.70 0.00 | 25.41 0.80 0.00 | 33.60 0.98 0.00 | 44.76 1.18 0.00 | 52.49 1.34 -0.50 | 40.06 1.06 -0.03 | 34.85 0.89 0.00 | 30.67 0.81 0.00 |
| GINNA____ 23603 | 40.14 -2.65 0.00 | 31.59 -2.37 0.00 | 30.03 -2.26 0.00 | 28.93 -2.21 0.00 | 28.82 -2.27 0.00 | 28.44 -2.23 0.00 | 33.79 -2.63 0.00 | 31.11 -2.55 0.00 | 30.45 -2.52 0.00 | 32.04 -2.72 0.00 | 28.93 -2.41 0.00 | 26.29 -2.39 0.38 | 24.75 -2.19 0.00 | 23.67 -2.01 0.00 | 21.37 -1.86 0.00 | 17.33 -1.64 1.51 | 21.33 -1.73 0.00 | 22.75 -1.86 0.00 | 30.03 -2.58 0.00 | 40.25 -3.34 0.00 | 44.90 -3.79 1.96 | 35.88 -3.00 0.10 | 31.33 -2.63 0.00 | 27.53 -2.31 0.01 |
| GLEN PARK____ 23778 | 41.89 -0.89 0.00 | 33.14 -0.82 0.00 | 31.45 -0.84 0.00 | 30.48 -0.66 0.00 | 30.55 -0.54 0.00 | 30.16 -0.51 0.00 | 35.69 -0.72 0.00 | 32.41 -1.25 0.00 | 30.70 -2.27 0.00 | 32.02 -2.75 0.00 | 28.76 -2.57 0.00 | 26.65 -2.41 0.00 | 24.78 -2.17 0.00 | 23.62 -2.07 0.00 | 21.30 -1.93 0.00 | 18.78 -1.70 0.00 | 21.08 -1.98 0.00 | 22.49 -2.12 0.00 | 30.43 -2.18 0.00 | 42.10 -1.48 0.00 | 50.11 -0.53 0.00 | 38.17 -0.80 0.00 | 33.32 -0.64 0.00 | 29.24 -0.62 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 44.90 2.10 0.00 | 35.78 1.83 0.00 | 33.99 1.70 0.00 | 32.70 1.56 0.00 | 32.62 1.53 0.00 | 32.19 1.52 0.00 | 38.16 1.74 0.00 | 35.57 1.91 0.00 | 35.04 2.08 0.00 | 37.12 2.36 0.00 | 33.63 2.29 0.00 | 31.30 2.25 0.00 | 29.05 2.10 0.00 | 27.74 2.06 0.00 | 25.04 1.82 0.00 | 22.14 1.66 0.00 | 24.88 1.82 0.00 | 26.57 1.95 0.00 | 34.97 2.36 0.00 | 46.32 2.73 0.00 | 53.68 3.05 0.00 | 41.32 2.35 0.00 | 35.97 2.01 0.00 | 31.69 1.83 0.00 |
| GLENWOOD_IC_1_G5 23712 | 45.10 2.31 0.00 | 36.01 2.06 0.00 | 34.22 1.93 -0.01 | 32.93 1.79 0.00 | 32.83 1.74 0.00 | 32.41 1.75 0.00 | 38.38 1.96 0.00 | 35.58 1.92 0.00 | 37.91 2.18 -2.76 | 63.61 2.55 -26.29 | 54.37 2.43 -20.60 | 49.02 2.38 -17.58 | 34.11 2.19 -4.97 | 27.72 2.04 0.00 | 25.02 1.80 0.00 | 22.12 1.63 0.00 | 25.02 1.89 -0.07 | 42.33 2.06 -15.66 | 127.54 2.55 -92.37 | 116.39 3.08 -69.72 | 98.87 3.44 -44.79 | 87.50 2.58 -45.94 | 55.79 2.20 -19.63 | 54.85 2.01 -22.98 |
| GLENWOOD_IC_2_G1 23688 | 44.89 2.09 0.00 | 35.81 1.86 0.00 | 34.02 1.73 0.00 | 32.75 1.60 0.00 | 32.65 1.56 0.00 | 32.22 1.56 0.00 | 38.19 1.77 0.00 | 35.43 1.77 0.00 | 35.10 2.00 -0.13 | 38.30 2.32 -1.21 | 34.51 2.22 -0.95 | 32.05 2.18 -0.81 | 29.18 2.01 -0.23 | 27.58 1.89 0.00 | 24.90 1.67 0.00 | 22.01 1.52 0.00 | 24.80 1.74 0.00 | 27.22 1.89 -0.72 | 39.19 2.33 -4.25 | 49.59 2.79 -3.21 | 55.82 3.12 -2.06 | 43.43 2.34 -2.11 | 36.86 1.99 -0.90 | 32.73 1.82 -1.06 |
| GLENWOOD_IC_3_G1 23689 | 44.89 2.09 0.00 | 35.81 1.86 0.00 | 34.02 1.73 0.00 | 32.75 1.60 0.00 | 32.65 1.56 0.00 | 32.22 1.56 0.00 | 38.19 1.77 0.00 | 35.43 1.77 0.00 | 35.10 2.00 -0.13 | 38.30 2.32 -1.21 | 34.51 2.22 -0.95 | 32.05 2.18 -0.81 | 29.18 2.01 -0.23 | 27.58 1.89 0.00 | 24.90 1.67 0.00 | 22.01 1.52 0.00 | 24.80 1.74 0.00 | 27.22 1.89 -0.72 | 39.19 2.33 -4.25 | 49.59 2.79 -3.21 | 55.82 3.12 -2.06 | 43.43 2.34 -2.11 | 36.86 1.99 -0.90 | 32.73 1.82 -1.06 |
| GLENWOOD___4 23550 | 45.10 2.31 0.00 | 36.01 2.06 0.00 | 34.22 1.93 -0.01 | 32.93 1.79 0.00 | 32.83 1.74 0.00 | 32.41 1.75 0.00 | 38.38 1.96 0.00 | 35.58 1.92 0.00 | 37.91 2.18 -2.76 | 63.61 2.55 -26.29 | 54.37 2.43 -20.60 | 49.02 2.38 -17.58 | 34.11 2.19 -4.97 | 27.72 2.04 0.00 | 25.02 1.80 0.00 | 22.12 1.63 0.00 | 25.02 1.89 -0.07 | 42.33 2.06 -15.66 | 127.54 2.55 -92.37 | 116.39 3.08 -69.72 | 98.87 3.44 -44.79 | 87.50 2.58 -45.94 | 55.79 2.20 -19.63 | 54.85 2.01 -22.98 |
| GLENWOOD___5 23614 | 45.10 2.31 0.00 | 36.01 2.06 0.00 | 34.22 1.93 -0.01 | 32.93 1.79 0.00 | 32.83 1.74 0.00 | 32.41 1.75 0.00 | 38.38 1.96 0.00 | 35.58 1.92 0.00 | 37.91 2.18 -2.76 | 63.61 2.55 -26.29 | 54.37 2.43 -20.60 | 49.02 2.38 -17.58 | 34.11 2.19 -4.97 | 27.72 2.04 0.00 | 25.02 1.80 0.00 | 22.12 1.63 0.00 | 25.02 1.89 -0.07 | 42.33 2.06 -15.66 | 127.54 2.55 -92.37 | 116.39 3.08 -69.72 | 98.87 3.44 -44.79 | 87.50 2.58 -45.94 | 55.79 2.20 -19.63 | 54.85 2.01 -22.98 |
| GLOBAL GREEN_PORT_GT1 23814 | 45.94 3.15 0.00 | 36.95 2.99 0.00 | 35.19 2.90 -0.01 | 34.00 2.85 0.00 | 33.83 2.74 0.00 | 33.43 2.76 0.00 | 39.27 2.85 0.00 | 35.61 1.95 0.00 | 37.15 2.46 -1.72 | 53.89 2.74 -16.40 | 46.33 2.14 -12.85 | 41.37 2.01 -10.31 | 31.95 1.90 -3.10 | 27.32 1.64 0.00 | 24.81 1.58 0.00 | 21.95 1.47 0.00 | 25.46 2.35 -0.04 | 38.96 2.73 -11.62 | 107.68 3.39 -71.67 | 104.67 4.04 -57.04 | 95.93 5.09 -40.20 | 81.24 3.94 -38.32 | 54.78 3.25 -17.57 | 46.96 2.77 -14.33 |
| GLOBE___DSASP 323697 | 39.15 -3.64 0.00 | 30.55 -3.41 0.00 | 29.18 -3.11 0.00 | 28.18 -2.97 0.00 | 28.05 -3.04 0.00 | 27.70 -2.97 0.00 | 33.00 -3.42 0.00 | 30.28 -3.38 0.00 | 29.94 -3.03 0.00 | 31.42 -3.35 0.00 | 28.92 -2.42 0.00 | 25.91 -2.43 0.72 | 24.61 -2.34 0.00 | 23.74 -1.95 0.00 | 21.40 -1.82 0.00 | 15.94 -1.65 2.89 | 21.36 -1.70 0.00 | 22.48 -2.14 0.00 | 29.03 -3.58 0.00 | 38.73 -4.86 0.00 | 41.48 -5.42 3.74 | 34.51 -4.26 0.20 | 30.51 -3.45 0.00 | 26.93 -2.90 0.03 |
| GOETHSLN___LBMP 323567 | 44.73 1.94 0.00 | 35.62 1.67 0.00 | 33.83 1.55 0.00 | 32.57 1.42 0.00 | 32.48 1.39 0.00 | 32.04 1.37 0.00 | 38.01 1.59 0.00 | 35.43 1.77 0.00 | 34.90 1.93 0.00 | 36.95 2.19 0.00 | 33.47 2.13 0.00 | 31.15 2.10 0.00 | 28.89 1.95 0.00 | 27.60 1.91 0.00 | 24.91 1.69 0.00 | 22.02 1.53 0.00 | 24.75 1.69 0.00 | 26.41 1.79 0.00 | 34.77 2.16 0.00 | 46.14 2.56 0.00 | 53.52 2.88 0.00 | 41.15 2.17 0.00 | 35.80 1.84 0.00 | 31.53 1.68 0.00 |
| GOLAH___69_KV_TB_1_2 80279 | 41.62 -1.17 0.00 | 32.72 -1.24 0.00 | 31.15 -1.14 0.00 | 30.05 -1.09 0.00 | 29.94 -1.15 0.00 | 29.58 -1.09 0.00 | 35.18 -1.24 0.00 | 32.36 -1.30 0.00 | 31.73 -1.24 0.00 | 33.28 -1.49 0.00 | 30.11 -1.22 0.00 | 27.31 -1.31 0.44 | 25.75 -1.19 0.00 | 24.68 -1.01 0.00 | 22.26 -0.97 0.00 | 17.88 -0.86 1.75 | 22.26 -0.80 0.00 | 23.66 -0.96 0.00 | 31.15 -1.47 0.00 | 41.90 -1.68 0.00 | 46.65 -1.73 2.26 | 37.42 -1.44 0.12 | 32.76 -1.20 0.00 | 28.80 -1.05 0.02 |
| GOODYEAR_LAKE_HYD 323669 | 44.33 1.54 0.00 | 35.19 1.23 0.00 | 33.43 1.15 0.00 | 32.21 1.06 0.00 | 32.15 1.06 0.00 | 31.76 1.09 0.00 | 37.72 1.31 0.00 | 34.86 1.20 0.00 | 34.11 1.14 0.00 | 35.93 1.16 0.00 | 32.38 1.04 0.00 | 30.20 0.93 -0.22 | 27.65 0.70 0.00 | 26.39 0.71 0.00 | 23.86 0.64 0.00 | 21.93 0.58 -0.87 | 23.69 0.63 0.00 | 25.42 0.80 0.00 | 33.80 1.19 0.00 | 45.25 1.67 0.00 | 53.72 1.96 -1.13 | 40.44 1.41 -0.06 | 35.06 1.10 0.00 | 30.81 0.95 -0.01 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 41.98 -0.81 0.00 | 33.20 -0.76 0.00 | 31.58 -0.70 0.00 | 30.45 -0.69 0.00 | 30.38 -0.71 0.00 | 29.99 -0.68 0.00 | 35.61 -0.81 0.00 | 32.87 -0.79 0.00 | 32.14 -0.83 0.00 | 33.77 -0.99 0.00 | 30.43 -0.91 0.00 | 29.07 -0.86 -0.87 | 26.83 -0.11 0.00 | 25.63 -0.06 0.00 | 23.13 -0.09 0.00 | 23.91 -0.07 -3.49 | 23.02 -0.04 0.00 | 24.62 0.01 0.00 | 32.62 0.01 0.00 | 43.69 0.11 0.00 | 55.31 0.16 -4.51 | 39.23 0.02 -0.24 | 33.94 -0.02 0.00 | 29.89 0.00 -0.03 |

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| GOWANUS_GT4_5 24134 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 34.00 1.71 0.00 | 32.71 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.93 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.30 0.00 | 31.30 2.24 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.52 1.91 0.00 | 34.94 2.32 0.00 | 46.33 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| GOWANUS_GT4_6 24135 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 34.00 1.71 0.00 | 32.71 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.93 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.30 0.00 | 31.30 2.24 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.52 1.91 0.00 | 34.94 2.32 0.00 | 46.33 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| GOWANUS_GT4_7 24136 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 34.00 1.71 0.00 | 32.71 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.93 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.30 0.00 | 31.30 2.24 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.52 1.91 0.00 | 34.94 2.32 0.00 | 46.33 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| GOWANUS_GT4_8 24137 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 34.00 1.71 0.00 | 32.71 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.93 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.30 0.00 | 31.30 2.24 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.52 1.91 0.00 | 34.94 2.32 0.00 | 46.33 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| GREATVRV_69_KV_BK1 356245 | 45.43 2.64 0.00 | 36.47 2.51 0.00 | 34.68 2.39 -0.01 | 33.41 2.26 0.00 | 33.27 2.18 0.00 | 32.87 2.21 0.00 | 38.80 2.38 0.00 | 35.67 2.01 0.00 | 37.22 2.47 -1.78 | 54.58 2.89 -16.93 | 47.28 2.68 -13.26 | 43.08 2.59 -11.43 | 32.54 2.40 -3.20 | 27.75 2.07 0.00 | 25.05 1.82 0.00 | 22.14 1.66 0.00 | 25.23 2.13 -0.05 | 38.47 2.35 -11.51 | 105.94 3.02 -70.31 | 102.53 3.61 -55.33 | 93.11 4.19 -38.29 | 79.21 3.21 -37.03 | 53.43 2.73 -16.74 | 47.10 2.45 -14.80 |
| GREENBSH_115KV_TB3 55895 | 43.46 0.66 0.00 | 34.64 0.68 0.00 | 32.93 0.64 0.00 | 31.77 0.63 0.00 | 31.71 0.62 0.00 | 31.26 0.59 0.00 | 37.08 0.67 0.00 | 34.33 0.68 0.00 | 33.63 0.66 0.00 | 35.39 0.63 0.00 | 31.90 0.56 0.00 | 29.62 0.56 0.00 | 27.46 0.52 0.00 | 26.14 0.45 0.00 | 23.66 0.43 0.00 | 20.92 0.44 0.00 | 23.57 0.51 0.00 | 25.24 0.62 0.00 | 33.38 0.77 0.00 | 44.52 0.94 0.00 | 51.67 1.03 0.00 | 39.80 0.82 0.00 | 34.68 0.72 0.00 | 30.54 0.68 0.00 |
| GREENDGE_115KV_TB5 80291 | 41.68 -1.11 0.00 | 32.85 -1.11 0.00 | 31.30 -0.99 0.00 | 30.17 -0.98 0.00 | 30.08 -1.01 0.00 | 29.70 -0.96 0.00 | 35.29 -1.13 0.00 | 32.52 -1.14 0.00 | 31.74 -1.24 0.00 | 33.09 -1.68 0.00 | 29.80 -1.54 1.05 | 26.39 -1.61 0.00 | 25.60 -1.34 0.00 | 24.55 -1.14 0.00 | 22.03 -1.19 0.00 | 15.20 -1.08 4.21 | 22.00 -1.07 0.00 | 23.71 -0.91 0.00 | 31.40 -1.21 0.00 | 42.45 -1.14 0.00 | 43.99 -1.19 5.45 | 37.58 -1.11 0.29 | 32.98 -0.98 0.00 | 28.96 -0.86 0.04 |
| GREENIDGE___3 23582 | 41.68 -1.11 0.00 | 32.85 -1.11 0.00 | 31.30 -0.99 0.00 | 30.17 -0.98 0.00 | 30.08 -1.01 0.00 | 29.70 -0.96 0.00 | 35.29 -1.13 0.00 | 32.52 -1.14 0.00 | 31.74 -1.24 0.00 | 33.09 -1.68 0.00 | 29.80 -1.54 1.05 | 26.39 -1.61 0.00 | 25.60 -1.34 0.00 | 24.55 -1.14 0.00 | 22.03 -1.19 0.00 | 15.20 -1.08 4.21 | 22.00 -1.07 0.00 | 23.71 -0.91 0.00 | 31.40 -1.21 0.00 | 42.45 -1.14 0.00 | 43.99 -1.19 5.45 | 37.58 -1.11 0.29 | 32.98 -0.98 0.00 | 28.96 -0.86 0.04 |
| GREENIDGE___4 23583 | 41.69 -1.10 0.00 | 32.84 -1.12 0.00 | 31.30 -0.98 0.00 | 30.17 -0.98 0.00 | 30.08 -1.01 0.00 | 29.71 -0.96 0.00 | 35.29 -1.13 0.00 | 32.53 -1.13 0.00 | 31.73 -1.24 0.00 | 33.09 -1.68 0.00 | 29.80 -1.54 1.05 | 26.39 -1.62 0.00 | 25.60 -1.34 0.00 | 24.54 -1.14 0.00 | 22.03 -1.19 0.00 | 15.19 -1.08 4.21 | 22.00 -1.07 0.00 | 23.70 -0.91 0.00 | 31.40 -1.21 0.00 | 42.45 -1.14 0.00 | 43.97 -1.22 5.45 | 37.57 -1.11 0.29 | 32.96 -1.00 0.00 | 28.96 -0.86 0.04 |
| GREENLWN_69_KV_BK 3 55738 | 44.70 1.91 0.00 | 35.89 1.93 0.00 | 34.11 1.82 -0.01 | 32.85 1.71 0.00 | 32.72 1.64 0.00 | 32.32 1.66 0.00 | 38.14 1.72 0.00 | 35.13 1.47 0.00 | 36.61 1.88 -1.76 | 53.85 2.31 -16.78 | 46.69 2.21 -13.15 | 42.51 2.23 -11.22 | 32.19 2.08 -3.17 | 27.49 1.80 0.00 | 24.82 1.60 0.00 | 21.93 1.44 0.00 | 24.85 1.75 -0.05 | 34.84 1.86 -8.36 | 81.47 2.30 -46.56 | 78.81 2.67 -32.55 | 71.40 2.97 -17.79 | 62.02 2.25 -20.80 | 43.74 1.94 -7.84 | 46.40 1.88 -14.66 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 34.00 1.71 0.00 | 32.71 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.93 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.30 0.00 | 31.30 2.24 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.52 1.91 0.00 | 34.94 2.32 0.00 | 46.33 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| GRISSOM___SOLAR 323813 | 44.67 1.88 0.00 | 35.44 1.48 0.00 | 33.65 1.36 0.00 | 32.43 1.28 0.00 | 32.38 1.29 0.00 | 31.99 1.32 0.00 | 37.96 1.55 0.00 | 34.75 1.09 0.00 | 33.65 0.67 0.00 | 34.80 0.04 0.00 | 31.18 -0.16 0.00 | 28.91 -0.14 0.00 | 26.75 -0.20 0.00 | 25.48 -0.21 0.00 | 23.06 -0.17 0.00 | 20.36 -0.12 0.00 | 22.97 -0.09 0.00 | 24.65 0.03 0.00 | 33.48 0.87 0.00 | 45.60 2.02 0.00 | 53.18 2.54 0.00 | 40.85 1.87 0.00 | 35.52 1.56 0.00 | 31.17 1.31 0.00 |
| GROVEVILLE___HYD 323602 | 45.02 2.23 0.00 | 35.80 1.84 0.00 | 34.01 1.72 0.00 | 32.73 1.59 0.00 | 32.65 1.56 0.00 | 32.23 1.56 0.00 | 38.25 1.83 0.00 | 35.57 1.91 0.00 | 34.98 2.01 0.00 | 36.95 2.19 0.00 | 33.35 2.02 0.00 | 30.99 1.94 0.00 | 28.70 1.75 0.00 | 27.37 1.68 0.00 | 24.70 1.48 0.00 | 21.85 1.36 0.00 | 24.63 1.57 0.00 | 26.39 1.77 0.00 | 34.85 2.24 0.00 | 46.39 2.80 0.00 | 53.83 3.19 0.00 | 41.34 2.36 0.00 | 35.93 1.97 0.00 | 31.59 1.73 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 42.01 -0.78 0.00 | 33.27 -0.69 0.00 | 31.64 -0.65 0.00 | 30.52 -0.62 0.00 | 30.46 -0.63 0.00 | 30.06 -0.60 0.00 | 35.70 -0.72 0.00 | 32.95 -0.71 0.00 | 32.22 -0.75 0.00 | 34.00 -0.76 0.00 | 30.63 -0.71 0.00 | 28.24 -0.70 0.12 | 26.47 -0.48 0.00 | 25.25 -0.44 0.00 | 22.81 -0.41 0.00 | 19.65 -0.36 0.48 | 22.66 -0.40 0.00 | 24.21 -0.41 0.00 | 32.09 -0.52 0.00 | 43.00 -0.58 0.00 | 49.40 -0.63 0.62 | 38.39 -0.55 0.03 | 33.45 -0.51 0.00 | 29.40 -0.45 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 42.05 -0.74 0.00 | 33.29 -0.67 0.00 | 31.66 -0.63 0.00 | 30.53 -0.61 0.00 | 30.46 -0.63 0.00 | 30.08 -0.59 0.00 | 35.73 -0.69 0.00 | 32.94 -0.71 0.00 | 32.19 -0.78 0.00 | 33.91 -0.85 0.00 | 30.58 -0.75 0.00 | 28.10 -0.79 0.16 | 26.39 -0.56 0.00 | 25.16 -0.52 0.00 | 22.72 -0.50 0.00 | 19.43 -0.42 0.63 | 22.59 -0.47 0.00 | 24.14 -0.48 0.00 | 32.02 -0.60 0.00 | 43.00 -0.58 0.00 | 49.25 -0.57 0.82 | 38.41 -0.52 0.04 | 33.47 -0.49 0.00 | 29.41 -0.44 0.00 |

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| HAMPSHIRE___PAPER_HYD 323593 | 41.57 -1.22 0.00 | 32.92 -1.04 0.00 | 31.28 -1.01 0.00 | 30.26 -0.89 0.00 | 30.27 -0.82 0.00 | 29.87 -0.79 0.00 | 35.46 -0.95 0.00 | 32.50 -1.16 0.00 | 31.40 -1.57 0.00 | 32.87 -1.89 0.00 | 29.52 -1.82 0.00 | 27.34 -1.72 0.00 | 25.35 -1.59 0.00 | 24.15 -1.54 0.00 | 21.80 -1.42 0.00 | 19.19 -1.29 0.00 | 21.60 -1.47 0.00 | 23.08 -1.54 0.00 | 30.93 -1.69 0.00 | 41.94 -1.65 0.00 | 49.19 -1.45 0.00 | 37.78 -1.19 0.00 | 32.96 -1.00 0.00 | 28.91 -0.95 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 43.56 0.77 0.00 | 34.64 0.68 0.00 | 32.92 0.64 0.00 | 31.77 0.63 0.00 | 31.72 0.63 0.00 | 31.26 0.60 0.00 | 37.08 0.66 0.00 | 34.10 0.44 0.00 | 33.16 0.19 0.00 | 34.54 -0.22 0.00 | 31.01 -0.33 0.00 | 28.77 -0.29 0.00 | 26.64 -0.31 0.00 | 25.35 -0.34 0.00 | 22.88 -0.34 0.00 | 20.22 -0.26 0.00 | 22.80 -0.26 0.00 | 24.57 -0.05 0.00 | 32.99 0.37 0.00 | 44.51 0.92 0.00 | 51.80 1.16 0.00 | 39.88 0.91 0.00 | 34.77 0.81 0.00 | 30.57 0.71 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 44.83 2.04 0.00 | 35.65 1.69 0.00 | 33.86 1.58 0.00 | 32.58 1.44 0.00 | 32.50 1.41 0.00 | 32.08 1.41 0.00 | 38.08 1.66 0.00 | 35.42 1.76 0.00 | 34.85 1.87 0.00 | 36.82 2.06 0.00 | 33.27 1.94 0.00 | 31.03 1.88 -0.09 | 28.63 1.69 0.00 | 27.34 1.65 0.00 | 24.68 1.46 0.00 | 22.19 1.33 -0.37 | 24.58 1.52 0.00 | 26.30 1.69 0.00 | 34.74 2.13 0.00 | 46.22 2.63 0.00 | 54.12 2.99 -0.48 | 41.20 2.19 -0.03 | 35.77 1.80 0.00 | 31.47 1.61 0.00 |
| HARSNRAD_115KV_TB1 81005 | 39.70 -3.09 0.00 | 31.02 -2.93 0.00 | 29.62 -2.67 0.00 | 28.59 -2.55 0.00 | 28.47 -2.62 0.00 | 28.13 -2.54 0.00 | 33.49 -2.93 0.00 | 30.74 -2.92 0.00 | 30.35 -2.62 0.00 | 31.82 -2.95 0.00 | 29.11 -2.22 0.00 | 26.08 -2.28 0.69 | 24.77 -2.17 0.00 | 23.88 -1.81 0.00 | 21.51 -1.71 0.00 | 16.16 -1.55 2.77 | 21.47 -1.59 0.00 | 22.69 -1.92 0.00 | 29.44 -3.18 0.00 | 39.27 -4.31 0.00 | 42.34 -4.72 3.58 | 35.04 -3.74 0.19 | 31.00 -2.96 0.00 | 27.37 -2.46 0.02 |
| HARZA MOOSE___RIVER 24016 | 42.90 0.11 0.00 | 33.96 0.00 0.00 | 32.27 -0.02 0.00 | 31.21 0.06 0.00 | 31.20 0.11 0.00 | 30.79 0.13 0.00 | 36.56 0.14 0.00 | 33.54 -0.12 0.00 | 32.38 -0.59 0.00 | 33.82 -0.94 0.00 | 30.33 -1.00 0.00 | 28.10 -0.96 0.00 | 26.11 -0.84 0.00 | 24.88 -0.80 0.00 | 22.44 -0.78 0.00 | 19.77 -0.71 0.00 | 22.29 -0.78 0.00 | 23.87 -0.75 0.00 | 32.08 -0.54 0.00 | 43.59 0.00 0.00 | 51.03 0.39 0.00 | 39.10 0.12 0.00 | 34.06 0.10 0.00 | 29.90 0.04 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 41.80 -0.99 0.00 | 33.10 -0.86 0.00 | 31.48 -0.80 0.00 | 30.37 -0.78 0.00 | 30.30 -0.79 0.00 | 29.91 -0.76 0.00 | 35.52 -0.90 0.00 | 32.79 -0.87 0.00 | 32.10 -0.87 0.00 | 33.89 -0.87 0.00 | 30.55 -0.79 0.00 | 28.29 -0.77 0.00 | 26.40 -0.55 0.00 | 25.19 -0.50 0.00 | 22.77 -0.46 0.00 | 20.08 -0.40 0.00 | 22.62 -0.44 0.00 | 24.14 -0.48 0.00 | 31.95 -0.66 0.00 | 42.78 -0.81 0.00 | 49.72 -0.92 0.00 | 38.23 -0.75 0.00 | 33.27 -0.69 0.00 | 29.26 -0.60 0.00 |
| HELLGATE_13_KV_LD 55870 | 44.89 2.10 0.00 | 35.79 1.83 0.00 | 33.99 1.70 0.00 | 32.70 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.15 1.73 0.00 | 35.59 1.93 0.00 | 35.06 2.09 0.00 | 37.12 2.36 0.00 | 33.63 2.29 0.00 | 31.31 2.25 0.00 | 29.06 2.11 0.00 | 27.79 2.10 0.00 | 25.08 1.86 0.00 | 22.18 1.69 0.00 | 24.92 1.86 0.00 | 26.62 2.00 0.00 | 35.04 2.42 0.00 | 46.35 2.77 0.00 | 53.69 3.05 0.00 | 41.32 2.35 0.00 | 35.97 2.01 0.00 | 31.69 1.83 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 44.89 2.10 0.00 | 35.79 1.83 0.00 | 33.99 1.70 0.00 | 32.70 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.15 1.73 0.00 | 35.59 1.93 0.00 | 35.06 2.09 0.00 | 37.12 2.36 0.00 | 33.63 2.29 0.00 | 31.31 2.25 0.00 | 29.06 2.11 0.00 | 27.79 2.10 0.00 | 25.08 1.86 0.00 | 22.18 1.69 0.00 | 24.92 1.86 0.00 | 26.62 2.00 0.00 | 35.04 2.42 0.00 | 46.35 2.77 0.00 | 53.69 3.05 0.00 | 41.32 2.35 0.00 | 35.97 2.01 0.00 | 31.69 1.83 0.00 |
| HEMPSTEAD___ 23647 | 45.13 2.34 0.00 | 36.11 2.15 0.00 | 34.30 2.01 -0.01 | 33.03 1.88 0.00 | 32.91 1.82 0.00 | 32.50 1.84 0.00 | 38.44 2.02 0.00 | 35.55 1.89 0.00 | 37.66 2.22 -2.47 | 60.93 2.65 -23.52 | 52.28 2.51 -18.42 | 47.24 2.46 -15.73 | 33.66 2.26 -4.45 | 27.74 2.06 0.00 | 25.03 1.80 0.00 | 22.12 1.64 0.00 | 25.05 1.93 -0.06 | 40.73 2.11 -14.01 | 117.85 2.64 -82.61 | 109.12 3.18 -62.35 | 94.23 3.53 -40.06 | 82.73 2.67 -41.08 | 53.82 2.30 -17.56 | 52.51 2.10 -20.55 |
| HICKLING___1 23621 | 40.89 -1.91 0.00 | 32.19 -1.77 0.00 | 30.72 -1.57 0.00 | 29.58 -1.56 0.00 | 29.46 -1.63 0.00 | 29.08 -1.59 0.00 | 34.48 -1.93 0.00 | 31.89 -1.77 0.00 | 31.33 -1.64 0.00 | 32.65 -2.11 0.00 | 29.53 -1.81 0.00 | 25.46 -1.87 1.73 | 25.41 -1.54 0.00 | 24.45 -1.24 0.00 | 21.82 -1.41 0.00 | 12.26 -1.30 6.92 | 21.84 -1.22 0.00 | 23.56 -1.06 0.00 | 30.98 -1.63 0.00 | 41.73 -1.85 0.00 | 39.54 -2.14 8.96 | 36.51 -1.99 0.48 | 32.29 -1.67 0.00 | 28.40 -1.39 0.06 |
| HICKLING___2 23622 | 40.89 -1.91 0.00 | 32.19 -1.77 0.00 | 30.72 -1.57 0.00 | 29.58 -1.56 0.00 | 29.46 -1.63 0.00 | 29.08 -1.59 0.00 | 34.48 -1.93 0.00 | 31.89 -1.77 0.00 | 31.33 -1.64 0.00 | 32.65 -2.11 0.00 | 29.53 -1.81 0.00 | 25.46 -1.87 1.73 | 25.41 -1.54 0.00 | 24.45 -1.24 0.00 | 21.82 -1.41 0.00 | 12.26 -1.30 6.92 | 21.84 -1.22 0.00 | 23.56 -1.06 0.00 | 30.98 -1.63 0.00 | 41.73 -1.85 0.00 | 39.54 -2.14 8.96 | 36.51 -1.99 0.48 | 32.29 -1.67 0.00 | 28.40 -1.39 0.06 |
| HIGH FALLS___HY 23754 | 45.14 2.35 0.00 | 35.88 1.92 0.00 | 34.07 1.78 0.00 | 32.78 1.64 0.00 | 32.70 1.61 0.00 | 32.28 1.61 0.00 | 38.33 1.91 0.00 | 35.65 1.99 0.00 | 35.06 2.09 0.00 | 37.04 2.28 0.00 | 33.28 1.94 0.00 | 30.96 1.82 -0.09 | 28.53 1.59 0.00 | 27.22 1.54 0.00 | 24.58 1.35 0.00 | 22.09 1.24 -0.36 | 24.46 1.40 0.00 | 26.27 1.65 0.00 | 34.82 2.21 0.00 | 46.44 2.85 0.00 | 54.43 3.32 -0.47 | 41.43 2.43 -0.02 | 35.94 1.98 0.00 | 31.59 1.73 0.00 |
| HIGH_RIVER___SOLAR 323847 | 44.20 1.41 0.00 | 35.09 1.13 0.00 | 33.35 1.06 0.00 | 32.15 1.01 0.00 | 32.09 1.00 0.00 | 31.68 1.01 0.00 | 37.58 1.17 0.00 | 34.58 0.92 0.00 | 33.66 0.69 0.00 | 35.33 0.57 0.00 | 31.79 0.46 0.00 | 29.50 0.44 0.00 | 27.31 0.36 0.00 | 26.02 0.33 0.00 | 23.54 0.31 0.00 | 20.79 0.31 0.00 | 23.41 0.35 0.00 | 25.07 0.46 0.00 | 33.47 0.85 0.00 | 45.15 1.56 0.00 | 52.54 1.90 0.00 | 40.38 1.41 0.00 | 35.14 1.18 0.00 | 30.88 1.02 0.00 |
| HILLBURN___GT 23639 | 44.63 1.83 0.00 | 35.52 1.56 0.00 | 33.74 1.45 0.00 | 32.46 1.32 0.00 | 32.38 1.29 0.00 | 31.95 1.28 0.00 | 37.92 1.51 0.00 | 35.30 1.64 0.00 | 34.74 1.76 0.00 | 36.75 1.98 0.00 | 33.26 1.92 0.00 | 31.05 1.90 -0.09 | 28.66 1.72 0.00 | 27.37 1.68 0.00 | 24.71 1.48 0.00 | 22.21 1.36 -0.37 | 24.58 1.52 0.00 | 26.26 1.64 0.00 | 34.63 2.01 0.00 | 46.05 2.46 0.00 | 53.91 2.79 -0.48 | 41.05 2.05 -0.03 | 35.66 1.70 0.00 | 31.41 1.55 0.00 |
| HILLSIDE_115KV_TB1 80332 | 40.32 -2.47 0.00 | 31.77 -2.19 0.00 | 30.30 -1.98 0.00 | 29.16 -1.98 0.00 | 29.05 -2.04 0.00 | 28.66 -2.01 0.00 | 33.96 -2.46 0.00 | 31.47 -2.19 0.00 | 30.95 -2.02 0.00 | 32.29 -2.47 0.00 | 29.22 -2.11 0.00 | 24.96 -2.12 1.97 | 25.23 -1.71 0.00 | 24.30 -1.39 0.00 | 21.66 -1.57 0.00 | 11.14 -1.43 7.91 | 21.67 -1.39 0.00 | 23.36 -1.26 0.00 | 30.62 -2.00 0.00 | 41.17 -2.42 0.00 | 37.55 -2.85 10.23 | 35.88 -2.54 0.55 | 31.83 -2.13 0.00 | 28.01 -1.78 0.07 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| HISHELDN_WT_PWR 323625 | 40.16 -2.63 0.00 | 31.44 -2.52 0.00 | 30.04 -2.25 0.00 | 28.97 -2.18 0.00 | 28.87 -2.22 0.00 | 28.50 -2.17 0.00 | 33.89 -2.53 0.00 | 31.17 -2.49 0.00 | 30.69 -2.28 0.00 | 32.07 -2.69 0.00 | 29.17 -2.17 0.00 | 25.91 -2.23 0.92 | 24.85 -2.10 0.00 | 23.95 -1.74 0.00 | 21.51 -1.72 0.00 | 15.24 -1.57 3.67 | 21.50 -1.56 0.00 | 22.85 -1.77 0.00 | 29.90 -2.72 0.00 | 40.17 -3.41 0.00 | 42.14 -3.74 4.75 | 35.68 -3.04 0.25 | 31.46 -2.50 0.00 | 27.74 -2.09 0.03 |
| HOLTSVILLE_IC_1 23690 | 44.85 2.06 0.00 | 36.08 2.12 0.00 | 34.32 2.03 -0.01 | 33.09 1.94 0.00 | 32.95 1.86 0.00 | 32.55 1.88 0.00 | 38.38 1.97 0.00 | 35.21 1.55 0.00 | 36.72 2.03 -1.72 | 53.52 2.39 -16.37 | 46.31 2.14 -12.82 | 42.08 2.11 -10.91 | 32.04 2.00 -3.10 | 27.38 1.70 0.00 | 24.75 1.52 0.00 | 21.88 1.40 0.00 | 25.00 1.89 -0.04 | 38.39 2.08 -11.69 | 107.44 2.60 -72.22 | 104.16 2.99 -57.59 | 94.89 3.54 -40.72 | 80.41 2.71 -38.72 | 54.04 2.29 -17.79 | 46.23 2.06 -14.31 |
| HOLTSVILLE_IC_10 23699 | 44.99 2.20 0.00 | 36.19 2.23 0.00 | 34.43 2.14 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.51 2.10 0.00 | 35.31 1.65 0.00 | 36.85 2.15 -1.73 | 53.79 2.52 -16.51 | 46.51 2.24 -12.93 | 42.54 2.20 -11.29 | 32.14 2.07 -3.12 | 27.43 1.75 0.00 | 24.79 1.57 0.00 | 21.93 1.45 0.00 | 25.07 1.97 -0.05 | 38.21 2.18 -11.41 | 105.37 2.76 -70.00 | 102.13 3.20 -55.34 | 93.03 3.80 -38.59 | 78.98 2.91 -37.10 | 53.28 2.45 -16.87 | 46.47 2.18 -14.43 |
| HOLTSVILLE_IC_2 23691 | 44.85 2.06 0.00 | 36.08 2.12 0.00 | 34.32 2.03 -0.01 | 33.09 1.94 0.00 | 32.95 1.86 0.00 | 32.55 1.88 0.00 | 38.38 1.97 0.00 | 35.21 1.55 0.00 | 36.72 2.03 -1.72 | 53.52 2.39 -16.37 | 46.31 2.14 -12.82 | 42.08 2.11 -10.91 | 32.04 2.00 -3.10 | 27.38 1.70 0.00 | 24.75 1.52 0.00 | 21.88 1.40 0.00 | 25.00 1.89 -0.04 | 38.39 2.08 -11.69 | 107.44 2.60 -72.22 | 104.16 2.99 -57.59 | 94.89 3.54 -40.72 | 80.41 2.71 -38.72 | 54.04 2.29 -17.79 | 46.23 2.06 -14.31 |
| HOLTSVILLE_IC_3 23692 | 44.85 2.06 0.00 | 36.08 2.12 0.00 | 34.32 2.03 -0.01 | 33.09 1.94 0.00 | 32.95 1.86 0.00 | 32.55 1.88 0.00 | 38.38 1.97 0.00 | 35.21 1.55 0.00 | 36.72 2.03 -1.72 | 53.52 2.39 -16.37 | 46.31 2.14 -12.82 | 42.08 2.11 -10.91 | 32.04 2.00 -3.10 | 27.38 1.70 0.00 | 24.75 1.52 0.00 | 21.88 1.40 0.00 | 25.00 1.89 -0.04 | 38.39 2.08 -11.69 | 107.44 2.60 -72.22 | 104.16 2.99 -57.59 | 94.89 3.54 -40.72 | 80.41 2.71 -38.72 | 54.04 2.29 -17.79 | 46.23 2.06 -14.31 |
| HOLTSVILLE_IC_4 23693 | 44.85 2.06 0.00 | 36.08 2.12 0.00 | 34.32 2.03 -0.01 | 33.09 1.94 0.00 | 32.95 1.86 0.00 | 32.55 1.88 0.00 | 38.38 1.97 0.00 | 35.21 1.55 0.00 | 36.72 2.03 -1.72 | 53.52 2.39 -16.37 | 46.31 2.14 -12.82 | 42.08 2.11 -10.91 | 32.04 2.00 -3.10 | 27.38 1.70 0.00 | 24.75 1.52 0.00 | 21.88 1.40 0.00 | 25.00 1.89 -0.04 | 38.39 2.08 -11.69 | 107.44 2.60 -72.22 | 104.16 2.99 -57.59 | 94.89 3.54 -40.72 | 80.41 2.71 -38.72 | 54.04 2.29 -17.79 | 46.23 2.06 -14.31 |
| HOLTSVILLE_IC_5 23694 | 44.85 2.06 0.00 | 36.08 2.12 0.00 | 34.32 2.03 -0.01 | 33.09 1.94 0.00 | 32.95 1.86 0.00 | 32.55 1.88 0.00 | 38.38 1.97 0.00 | 35.21 1.55 0.00 | 36.72 2.03 -1.72 | 53.52 2.39 -16.37 | 46.31 2.14 -12.82 | 42.08 2.11 -10.91 | 32.04 2.00 -3.10 | 27.38 1.70 0.00 | 24.75 1.52 0.00 | 21.88 1.40 0.00 | 25.00 1.89 -0.04 | 38.39 2.08 -11.69 | 107.44 2.60 -72.22 | 104.16 2.99 -57.59 | 94.89 3.54 -40.72 | 80.41 2.71 -38.72 | 54.04 2.29 -17.79 | 46.23 2.06 -14.31 |
| HOLTSVILLE_IC_6 23695 | 44.99 2.20 0.00 | 36.19 2.23 0.00 | 34.43 2.14 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.51 2.10 0.00 | 35.31 1.65 0.00 | 36.85 2.15 -1.73 | 53.79 2.52 -16.51 | 46.51 2.24 -12.93 | 42.54 2.20 -11.29 | 32.14 2.07 -3.12 | 27.43 1.75 0.00 | 24.79 1.57 0.00 | 21.93 1.45 0.00 | 25.07 1.97 -0.05 | 38.21 2.18 -11.41 | 105.37 2.76 -70.00 | 102.13 3.20 -55.34 | 93.03 3.80 -38.59 | 78.98 2.91 -37.10 | 53.28 2.45 -16.87 | 46.47 2.18 -14.43 |
| HOLTSVILLE_IC_7 23696 | 44.99 2.20 0.00 | 36.19 2.23 0.00 | 34.43 2.14 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.51 2.10 0.00 | 35.31 1.65 0.00 | 36.85 2.15 -1.73 | 53.79 2.52 -16.51 | 46.51 2.24 -12.93 | 42.54 2.20 -11.29 | 32.14 2.07 -3.12 | 27.43 1.75 0.00 | 24.79 1.57 0.00 | 21.93 1.45 0.00 | 25.07 1.97 -0.05 | 38.21 2.18 -11.41 | 105.37 2.76 -70.00 | 102.13 3.20 -55.34 | 93.03 3.80 -38.59 | 78.98 2.91 -37.10 | 53.28 2.45 -16.87 | 46.47 2.18 -14.43 |
| HOLTSVILLE_IC_8 23697 | 44.99 2.20 0.00 | 36.19 2.23 0.00 | 34.43 2.14 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.51 2.10 0.00 | 35.31 1.65 0.00 | 36.85 2.15 -1.73 | 53.79 2.52 -16.51 | 46.51 2.24 -12.93 | 42.54 2.20 -11.29 | 32.14 2.07 -3.12 | 27.43 1.75 0.00 | 24.79 1.57 0.00 | 21.93 1.45 0.00 | 25.07 1.97 -0.05 | 38.21 2.18 -11.41 | 105.37 2.76 -70.00 | 102.13 3.20 -55.34 | 93.03 3.80 -38.59 | 78.98 2.91 -37.10 | 53.28 2.45 -16.87 | 46.47 2.18 -14.43 |
| HOLTSVILLE_IC_9 23698 | 44.99 2.20 0.00 | 36.19 2.23 0.00 | 34.43 2.14 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.51 2.10 0.00 | 35.31 1.65 0.00 | 36.85 2.15 -1.73 | 53.79 2.52 -16.51 | 46.51 2.24 -12.93 | 42.54 2.20 -11.29 | 32.14 2.07 -3.12 | 27.43 1.75 0.00 | 24.79 1.57 0.00 | 21.93 1.45 0.00 | 25.07 1.97 -0.05 | 38.21 2.18 -11.41 | 105.37 2.76 -70.00 | 102.13 3.20 -55.34 | 93.03 3.80 -38.59 | 78.98 2.91 -37.10 | 53.28 2.45 -16.87 | 46.47 2.18 -14.43 |
| HOMER_HL_115KV_TB2 355744 | 40.34 -2.46 0.00 | 31.61 -2.35 0.00 | 30.18 -2.10 0.00 | 29.10 -2.04 0.00 | 28.90 -2.19 0.00 | 28.46 -2.21 0.00 | 33.86 -2.56 0.00 | 31.30 -2.36 0.00 | 30.89 -2.08 0.00 | 32.54 -2.23 0.00 | 29.69 -1.65 0.00 | 26.38 -1.72 0.95 | 25.29 -1.66 0.00 | 24.39 -1.29 0.00 | 21.82 -1.40 0.00 | 15.39 -1.27 3.83 | 21.81 -1.25 0.00 | 23.16 -1.45 0.00 | 30.20 -2.41 0.00 | 40.56 -3.02 0.00 | 42.45 -3.24 4.95 | 35.89 -2.82 0.27 | 31.57 -2.39 0.00 | 27.92 -1.91 0.03 |
| HOWARD_WT_PWR 323690 | 41.16 -1.63 0.00 | 32.39 -1.57 0.00 | 31.00 -1.28 0.00 | 29.88 -1.27 0.00 | 29.78 -1.31 0.00 | 29.40 -1.26 0.00 | 34.87 -1.55 0.00 | 32.12 -1.54 0.00 | 31.48 -1.50 0.00 | 32.82 -1.94 0.00 | 29.51 -1.83 0.00 | 25.94 -1.95 1.16 | 25.17 -1.78 0.00 | 24.26 -1.43 0.00 | 21.66 -1.57 0.00 | 14.31 -1.51 4.67 | 21.65 -1.41 0.00 | 23.27 -1.35 0.00 | 30.84 -1.77 0.00 | 41.84 -1.74 0.00 | 42.85 -1.75 6.04 | 37.01 -1.65 0.32 | 32.49 -1.48 0.00 | 28.51 -1.31 0.04 |
| HQ_GEN_CEDARS 23644 | 42.79 0.00 0.00 | 33.94 -0.02 0.00 | 32.26 -0.03 0.00 | 31.14 0.00 0.00 | 31.12 0.03 0.00 | 30.70 0.03 0.00 | 36.49 0.07 0.00 | 33.61 -0.04 0.00 | 32.88 -0.10 0.00 | 34.58 -0.19 0.00 | 31.12 -0.22 0.00 | 28.82 -0.23 0.00 | 26.69 -0.25 0.00 | 25.42 -0.26 0.00 | 22.99 -0.23 0.00 | 20.23 -0.25 0.00 | 22.77 -0.29 0.00 | 24.33 -0.29 0.00 | 32.34 -0.28 0.00 | 43.27 -0.32 0.00 | 50.32 -0.32 0.00 | 38.83 -0.14 0.00 | 33.89 -0.07 0.00 | 29.73 -0.13 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 42.79 0.00 0.00 | 33.94 -0.02 0.00 | 32.26 -0.03 0.00 | 31.14 0.00 0.00 | 31.12 0.03 0.00 | 30.70 0.03 0.00 | 36.49 0.08 0.00 | 33.61 -0.04 0.00 | 32.88 -0.10 0.00 | 34.58 -0.18 0.00 | 31.12 -0.22 0.00 | 28.82 -0.23 0.00 | 26.69 -0.25 0.00 | 25.42 -0.26 0.00 | 22.99 -0.23 0.00 | 20.21 -0.25 0.02 | 22.78 -0.29 0.00 | 24.33 -0.29 0.00 | 32.34 -0.28 0.00 | 43.27 -0.32 0.00 | 50.32 -0.32 0.00 | 38.83 -0.14 0.00 | 33.89 -0.07 0.00 | 29.73 -0.12 0.00 |

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| HQ_GEN_CHPE_PROXY 323851 | 44.73 1.94 0.00 | 35.62 1.66 0.00 | 33.83 1.54 0.00 | 32.56 1.42 0.00 | 32.47 1.39 0.00 | 32.05 1.38 0.00 | 38.00 1.59 0.00 | 35.39 1.74 0.00 | 34.88 1.91 0.00 | 36.94 2.17 0.00 | 33.45 2.11 0.00 | 31.14 2.08 0.00 | 28.86 1.92 0.00 | 27.59 1.90 0.00 | 24.91 1.68 0.00 | 22.01 1.53 0.00 | 24.73 1.67 0.00 | 26.41 1.80 0.00 | 34.78 2.17 0.00 | 46.14 2.56 0.00 | 53.50 2.87 0.00 | 41.15 2.17 0.00 | 35.81 1.85 0.00 | 31.52 1.66 0.00 |
| HQ_GEN_IMPORT 323601 | 42.99 0.19 0.00 | 34.10 0.14 0.00 | 32.42 0.13 0.00 | 31.28 0.13 0.00 | 31.24 0.15 0.00 | 30.82 0.15 0.00 | 36.60 0.18 0.00 | 33.80 0.14 0.00 | 33.12 0.14 0.00 | 34.90 0.14 0.00 | 31.43 0.10 0.00 | 29.14 0.09 0.00 | 27.00 0.05 0.00 | 25.74 0.05 0.00 | 23.27 0.05 0.00 | 20.50 0.02 0.00 | 23.09 0.02 0.00 | 24.63 0.02 0.00 | 32.68 0.07 0.00 | 43.66 0.07 0.00 | 50.73 0.08 0.00 | 39.08 0.11 0.00 | 34.08 0.12 0.00 | 29.94 0.09 0.00 |
| HQ_GEN_WHEEL 23651 | 42.99 0.19 0.00 | 34.10 0.14 0.00 | 32.42 0.13 0.00 | 31.28 0.13 0.00 | 31.24 0.15 0.00 | 30.82 0.15 0.00 | 36.60 0.18 0.00 | 33.80 0.14 0.00 | 33.12 0.14 0.00 | 34.90 0.14 0.00 | 31.43 0.10 0.00 | 29.14 0.09 0.00 | 27.00 0.05 0.00 | 25.74 0.05 0.00 | 23.27 0.05 0.00 | 20.50 0.02 0.00 | 23.09 0.02 0.00 | 24.63 0.02 0.00 | 32.68 0.07 0.00 | 43.66 0.07 0.00 | 50.73 0.08 0.00 | 39.08 0.11 0.00 | 34.08 0.12 0.00 | 29.94 0.09 0.00 |
| HUDSON_AVE_GT_3 23810 | 44.85 2.06 0.00 | 35.72 1.76 0.00 | 33.92 1.64 0.00 | 32.65 1.51 0.00 | 32.56 1.47 0.00 | 32.13 1.46 0.00 | 38.11 1.70 0.00 | 35.50 1.84 0.00 | 34.98 2.01 0.00 | 37.05 2.28 0.00 | 33.55 2.21 0.00 | 31.23 2.17 0.00 | 28.95 2.01 0.00 | 27.66 1.98 0.00 | 24.97 1.75 0.00 | 22.07 1.59 0.00 | 24.81 1.75 0.00 | 26.49 1.87 0.00 | 34.89 2.28 0.00 | 46.29 2.71 0.00 | 53.68 3.04 0.00 | 41.27 2.29 0.00 | 35.91 1.95 0.00 | 31.61 1.75 0.00 |
| HUDSON_AVE_GT_4 23540 | 44.85 2.06 0.00 | 35.72 1.76 0.00 | 33.92 1.64 0.00 | 32.65 1.51 0.00 | 32.56 1.47 0.00 | 32.13 1.46 0.00 | 38.11 1.70 0.00 | 35.50 1.84 0.00 | 34.98 2.01 0.00 | 37.05 2.28 0.00 | 33.55 2.21 0.00 | 31.23 2.17 0.00 | 28.95 2.01 0.00 | 27.66 1.98 0.00 | 24.97 1.75 0.00 | 22.07 1.59 0.00 | 24.81 1.75 0.00 | 26.49 1.87 0.00 | 34.89 2.28 0.00 | 46.29 2.71 0.00 | 53.68 3.04 0.00 | 41.27 2.29 0.00 | 35.91 1.95 0.00 | 31.61 1.75 0.00 |
| HUDSON_AVE_GT_5 23657 | 44.85 2.06 0.00 | 35.72 1.76 0.00 | 33.92 1.64 0.00 | 32.65 1.51 0.00 | 32.56 1.47 0.00 | 32.13 1.46 0.00 | 38.11 1.70 0.00 | 35.50 1.84 0.00 | 34.98 2.01 0.00 | 37.05 2.28 0.00 | 33.55 2.21 0.00 | 31.23 2.17 0.00 | 28.95 2.01 0.00 | 27.66 1.98 0.00 | 24.97 1.75 0.00 | 22.07 1.59 0.00 | 24.81 1.75 0.00 | 26.49 1.87 0.00 | 34.89 2.28 0.00 | 46.29 2.71 0.00 | 53.68 3.04 0.00 | 41.27 2.29 0.00 | 35.91 1.95 0.00 | 31.61 1.75 0.00 |
| HUDSON_AVE_10 24168 | 44.65 1.86 0.00 | 35.54 1.58 0.00 | 33.76 1.47 0.00 | 32.49 1.34 0.00 | 32.40 1.31 0.00 | 31.98 1.31 0.00 | 37.93 1.51 0.00 | 35.35 1.70 0.00 | 34.82 1.85 0.00 | 36.87 2.10 0.00 | 33.40 2.06 0.00 | 31.09 2.03 0.00 | 28.83 1.88 0.00 | 27.57 1.88 0.00 | 24.87 1.65 0.00 | 21.99 1.51 0.00 | 24.69 1.63 0.00 | 26.37 1.75 0.00 | 34.73 2.11 0.00 | 46.06 2.48 0.00 | 53.43 2.79 0.00 | 41.10 2.12 0.00 | 35.77 1.81 0.00 | 31.48 1.62 0.00 |
| HUDSON___115KV_TB 4 355613 | 44.28 1.49 0.00 | 35.25 1.29 0.00 | 33.51 1.22 0.00 | 32.33 1.18 0.00 | 32.25 1.16 0.00 | 31.80 1.13 0.00 | 37.74 1.33 0.00 | 34.91 1.25 0.00 | 34.12 1.15 0.00 | 35.72 0.95 0.00 | 32.10 0.77 0.00 | 29.80 0.74 0.00 | 27.60 0.65 0.00 | 26.27 0.58 0.00 | 23.77 0.55 0.00 | 21.03 0.55 0.00 | 23.72 0.66 0.00 | 25.45 0.83 0.00 | 33.78 1.16 0.00 | 45.33 1.74 0.00 | 52.74 2.10 0.00 | 40.58 1.60 0.00 | 35.31 1.35 0.00 | 31.05 1.19 0.00 |
| HUNTER MOUNT___DRP 323613 | 44.47 1.68 0.00 | 35.39 1.43 0.00 | 33.64 1.35 0.00 | 32.45 1.31 0.00 | 32.38 1.29 0.00 | 31.93 1.26 0.00 | 37.91 1.50 0.00 | 35.07 1.41 0.00 | 34.27 1.29 0.00 | 35.82 1.06 0.00 | 32.17 0.83 0.00 | 29.84 0.78 0.00 | 27.64 0.69 0.00 | 26.30 0.61 0.00 | 23.80 0.57 0.00 | 21.06 0.58 0.00 | 23.78 0.71 0.00 | 25.53 0.91 0.00 | 33.93 1.32 0.00 | 45.54 1.95 0.00 | 53.01 2.37 0.00 | 40.78 1.80 0.00 | 35.46 1.50 0.00 | 31.17 1.31 0.00 |
| HUNTINGTON_RES_REC 323705 | 44.84 2.05 0.00 | 36.02 2.06 0.00 | 34.24 1.95 -0.01 | 32.99 1.84 0.00 | 32.86 1.77 0.00 | 32.46 1.79 0.00 | 38.30 1.88 0.00 | 35.20 1.54 0.00 | 36.69 1.98 -1.74 | 53.73 2.40 -16.56 | 46.54 2.23 -12.98 | 42.40 2.22 -11.13 | 32.14 2.06 -3.13 | 27.43 1.74 0.00 | 24.77 1.55 0.00 | 21.90 1.42 0.00 | 24.92 1.81 -0.05 | 36.02 1.98 -9.42 | 89.94 2.49 -54.84 | 87.18 2.90 -40.70 | 79.29 3.35 -25.30 | 68.16 2.54 -26.64 | 47.22 2.16 -11.10 | 46.35 2.02 -14.47 |
| HUNTLEY___63 23557 | 40.01 -2.79 0.00 | 31.25 -2.71 0.00 | 29.84 -2.45 0.00 | 28.80 -2.34 0.00 | 28.67 -2.41 0.00 | 28.32 -2.35 0.00 | 33.72 -2.70 0.00 | 30.99 -2.67 0.00 | 30.60 -2.37 0.00 | 32.09 -2.68 0.00 | 29.41 -1.93 0.00 | 26.30 -2.02 0.74 | 24.99 -1.95 0.00 | 24.10 -1.59 0.00 | 21.71 -1.51 0.00 | 16.15 -1.38 2.96 | 21.68 -1.39 0.00 | 22.91 -1.71 0.00 | 29.71 -2.90 0.00 | 39.66 -3.92 0.00 | 42.51 -4.30 3.83 | 35.34 -3.43 0.21 | 31.23 -2.73 0.00 | 27.56 -2.27 0.03 |
| HUNTLEY___64 23558 | 40.01 -2.79 0.00 | 31.25 -2.71 0.00 | 29.84 -2.45 0.00 | 28.80 -2.34 0.00 | 28.67 -2.41 0.00 | 28.32 -2.35 0.00 | 33.72 -2.70 0.00 | 30.99 -2.67 0.00 | 30.60 -2.37 0.00 | 32.09 -2.68 0.00 | 29.41 -1.93 0.00 | 26.30 -2.02 0.74 | 24.99 -1.95 0.00 | 24.10 -1.59 0.00 | 21.71 -1.51 0.00 | 16.15 -1.38 2.96 | 21.68 -1.39 0.00 | 22.91 -1.71 0.00 | 29.71 -2.90 0.00 | 39.66 -3.92 0.00 | 42.51 -4.30 3.83 | 35.34 -3.43 0.21 | 31.23 -2.73 0.00 | 27.56 -2.27 0.03 |
| HUNTLEY___65 23559 | 40.01 -2.79 0.00 | 31.25 -2.71 0.00 | 29.84 -2.45 0.00 | 28.80 -2.34 0.00 | 28.67 -2.41 0.00 | 28.32 -2.35 0.00 | 33.72 -2.70 0.00 | 30.99 -2.67 0.00 | 30.60 -2.37 0.00 | 32.09 -2.68 0.00 | 29.41 -1.93 0.00 | 26.30 -2.02 0.74 | 24.99 -1.95 0.00 | 24.10 -1.59 0.00 | 21.71 -1.51 0.00 | 16.15 -1.38 2.96 | 21.68 -1.39 0.00 | 22.91 -1.71 0.00 | 29.71 -2.90 0.00 | 39.66 -3.92 0.00 | 42.51 -4.30 3.83 | 35.34 -3.43 0.21 | 31.23 -2.73 0.00 | 27.56 -2.27 0.03 |
| HUNTLEY___66 23560 | 40.01 -2.79 0.00 | 31.25 -2.71 0.00 | 29.84 -2.45 0.00 | 28.80 -2.34 0.00 | 28.67 -2.41 0.00 | 28.32 -2.35 0.00 | 33.72 -2.70 0.00 | 30.99 -2.67 0.00 | 30.60 -2.37 0.00 | 32.09 -2.68 0.00 | 29.41 -1.93 0.00 | 26.30 -2.02 0.74 | 24.99 -1.95 0.00 | 24.10 -1.59 0.00 | 21.71 -1.51 0.00 | 16.15 -1.38 2.96 | 21.68 -1.39 0.00 | 22.91 -1.71 0.00 | 29.71 -2.90 0.00 | 39.66 -3.92 0.00 | 42.51 -4.30 3.83 | 35.34 -3.43 0.21 | 31.23 -2.73 0.00 | 27.56 -2.27 0.03 |
| HUNTLEY___67 23561 | 39.81 -2.98 0.00 | 31.11 -2.85 0.00 | 29.70 -2.59 0.00 | 28.66 -2.48 0.00 | 28.53 -2.56 0.00 | 28.18 -2.49 0.00 | 33.54 -2.87 0.00 | 30.84 -2.82 0.00 | 30.45 -2.52 0.00 | 31.94 -2.82 0.00 | 29.24 -2.10 0.00 | 26.11 -2.18 0.77 | 24.85 -2.09 0.00 | 23.96 -1.72 0.00 | 21.58 -1.64 0.00 | 15.91 -1.49 3.08 | 21.55 -1.52 0.00 | 22.81 -1.81 0.00 | 29.62 -3.00 0.00 | 39.54 -4.04 0.00 | 42.18 -4.47 3.99 | 35.20 -3.57 0.21 | 31.08 -2.88 0.00 | 27.42 -2.41 0.03 |

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| HUNTLEY___68 23562 | 39.81 -2.98 0.00 | 31.11 -2.85 0.00 | 29.70 -2.59 0.00 | 28.66 -2.48 0.00 | 28.53 -2.56 0.00 | 28.18 -2.49 0.00 | 33.54 -2.87 0.00 | 30.84 -2.82 0.00 | 30.45 -2.52 0.00 | 31.94 -2.82 0.00 | 29.24 -2.10 0.00 | 26.11 -2.18 0.77 | 24.85 -2.09 0.00 | 23.96 -1.72 0.00 | 21.58 -1.64 0.00 | 15.91 -1.49 3.08 | 21.55 -1.52 0.00 | 22.81 -1.81 0.00 | 29.62 -3.00 0.00 | 39.54 -4.04 0.00 | 42.18 -4.47 3.99 | 35.20 -3.57 0.21 | 31.08 -2.88 0.00 | 27.42 -2.41 0.03 |
| HYLAND___LFGE 323620 | 43.04 0.25 0.00 | 33.80 -0.16 0.00 | 32.23 -0.06 0.00 | 31.07 -0.07 0.00 | 30.96 -0.12 0.00 | 30.58 -0.09 0.00 | 36.38 -0.04 0.00 | 33.35 -0.31 0.00 | 32.66 -0.31 0.00 | 34.04 -0.72 0.00 | 30.57 -0.77 0.00 | 26.90 -1.31 0.85 | 25.74 -1.21 0.00 | 24.73 -0.95 0.00 | 22.21 -1.01 0.00 | 16.14 -0.94 3.41 | 22.28 -0.78 0.00 | 23.78 -0.83 0.00 | 31.54 -1.07 0.00 | 43.46 -0.12 0.00 | 46.61 0.38 4.41 | 38.89 0.15 0.24 | 34.06 0.10 0.00 | 29.83 0.00 0.03 |
| INDECK___CORINTH 23802 | 44.88 2.09 0.00 | 35.60 1.64 0.00 | 33.85 1.56 0.00 | 32.58 1.43 0.00 | 32.53 1.44 0.00 | 32.17 1.50 0.00 | 38.15 1.73 0.00 | 35.23 1.57 0.00 | 34.33 1.36 0.00 | 35.86 1.09 0.00 | 32.08 0.75 0.00 | 29.78 0.73 0.00 | 27.58 0.63 0.00 | 26.20 0.51 0.00 | 23.65 0.43 0.00 | 20.99 0.50 0.00 | 23.77 0.71 0.00 | 25.70 1.08 0.00 | 34.32 1.71 0.00 | 46.07 2.49 0.00 | 53.50 2.86 0.00 | 41.03 2.05 0.00 | 35.69 1.73 0.00 | 31.30 1.44 0.00 |
| INDECK___ILION 23567 | 43.28 0.49 0.00 | 34.39 0.43 0.00 | 32.68 0.39 0.00 | 31.53 0.39 0.00 | 31.48 0.39 0.00 | 31.04 0.37 0.00 | 36.84 0.42 0.00 | 33.97 0.31 0.00 | 33.14 0.17 0.00 | 34.70 -0.06 0.00 | 31.22 -0.12 0.00 | 28.96 -0.10 0.00 | 26.83 -0.11 0.00 | 25.56 -0.13 0.00 | 23.09 -0.14 0.00 | 20.39 -0.10 0.00 | 22.98 -0.09 0.00 | 24.67 0.05 0.00 | 32.91 0.30 0.00 | 44.21 0.63 0.00 | 51.39 0.75 0.00 | 39.56 0.58 0.00 | 34.46 0.50 0.00 | 30.30 0.44 0.00 |
| INDECK___OLEAN 23982 | 40.33 -2.46 0.00 | 31.61 -2.35 0.00 | 30.19 -2.09 0.00 | 29.10 -2.04 0.00 | 28.91 -2.18 0.00 | 28.47 -2.20 0.00 | 33.87 -2.55 0.00 | 31.32 -2.34 0.00 | 30.87 -2.10 0.00 | 32.53 -2.23 0.00 | 29.69 -1.65 0.00 | 26.38 -1.73 0.95 | 25.29 -1.66 0.00 | 24.39 -1.29 0.00 | 21.82 -1.40 0.00 | 15.38 -1.28 3.83 | 21.81 -1.25 0.00 | 23.16 -1.45 0.00 | 30.20 -2.42 0.00 | 40.56 -3.02 0.00 | 42.42 -3.27 4.95 | 35.86 -2.85 0.27 | 31.54 -2.42 0.00 | 27.91 -1.91 0.03 |
| INDECK___OSWEGO 23783 | 41.26 -1.52 0.00 | 32.70 -1.25 0.00 | 31.10 -1.19 0.00 | 30.01 -1.14 0.00 | 29.95 -1.14 0.00 | 29.56 -1.10 0.00 | 35.08 -1.33 0.00 | 32.39 -1.27 0.00 | 31.68 -1.29 0.00 | 33.48 -1.28 0.00 | 30.19 -1.15 0.00 | 27.96 -1.09 0.00 | 26.05 -0.90 0.00 | 24.84 -0.85 0.00 | 22.45 -0.78 0.00 | 19.81 -0.67 0.00 | 22.27 -0.79 0.00 | 23.73 -0.88 0.00 | 31.43 -1.18 0.00 | 42.09 -1.50 0.00 | 48.96 -1.68 0.00 | 37.65 -1.32 0.00 | 32.78 -1.18 0.00 | 28.84 -1.02 0.00 |
| INDECK___YERKES 23781 | 40.04 -2.75 0.00 | 31.26 -2.69 0.00 | 29.87 -2.42 0.00 | 28.83 -2.32 0.00 | 28.71 -2.38 0.00 | 28.35 -2.32 0.00 | 33.76 -2.66 0.00 | 31.03 -2.63 0.00 | 30.62 -2.35 0.00 | 32.12 -2.65 0.00 | 29.44 -1.90 0.00 | 26.31 -2.02 0.74 | 25.01 -1.94 0.00 | 24.12 -1.57 0.00 | 21.73 -1.49 0.00 | 16.16 -1.36 2.96 | 21.70 -1.37 0.00 | 22.93 -1.69 0.00 | 29.72 -2.90 0.00 | 39.69 -3.89 0.00 | 42.51 -4.30 3.83 | 35.35 -3.42 0.21 | 31.22 -2.74 0.00 | 27.57 -2.26 0.03 |
| INDIAN POINT___GT_1 24139 | 44.58 1.79 0.00 | 35.49 1.53 0.00 | 33.70 1.42 0.00 | 32.43 1.29 0.00 | 32.35 1.26 0.00 | 31.92 1.25 0.00 | 37.89 1.47 0.00 | 35.25 1.59 0.00 | 34.69 1.72 0.00 | 36.70 1.93 0.00 | 33.20 1.86 0.00 | 30.98 1.84 -0.09 | 28.62 1.67 0.00 | 27.32 1.64 0.00 | 24.66 1.44 0.00 | 22.16 1.32 -0.35 | 24.53 1.47 0.00 | 26.21 1.60 0.00 | 34.57 1.95 0.00 | 45.95 2.37 0.00 | 53.77 2.67 -0.46 | 40.98 1.98 -0.02 | 35.62 1.66 0.00 | 31.38 1.52 0.00 |
| INDIAN POINT___GT_2 23659 | 44.58 1.79 0.00 | 35.49 1.53 0.00 | 33.70 1.42 0.00 | 32.43 1.29 0.00 | 32.35 1.26 0.00 | 31.92 1.25 0.00 | 37.89 1.47 0.00 | 35.25 1.59 0.00 | 34.69 1.72 0.00 | 36.70 1.93 0.00 | 33.20 1.86 0.00 | 30.98 1.84 -0.09 | 28.62 1.67 0.00 | 27.32 1.64 0.00 | 24.66 1.44 0.00 | 22.16 1.32 -0.35 | 24.53 1.47 0.00 | 26.21 1.60 0.00 | 34.57 1.95 0.00 | 45.95 2.37 0.00 | 53.77 2.67 -0.46 | 40.98 1.98 -0.02 | 35.62 1.66 0.00 | 31.38 1.52 0.00 |
| INDIAN POINT___GT_3 24019 | 44.58 1.79 0.00 | 35.49 1.53 0.00 | 33.70 1.42 0.00 | 32.43 1.29 0.00 | 32.35 1.26 0.00 | 31.92 1.25 0.00 | 37.89 1.47 0.00 | 35.25 1.59 0.00 | 34.69 1.72 0.00 | 36.70 1.93 0.00 | 33.20 1.86 0.00 | 30.98 1.84 -0.09 | 28.62 1.67 0.00 | 27.32 1.64 0.00 | 24.66 1.44 0.00 | 22.16 1.32 -0.35 | 24.53 1.47 0.00 | 26.21 1.60 0.00 | 34.57 1.95 0.00 | 45.95 2.37 0.00 | 53.77 2.67 -0.46 | 40.98 1.98 -0.02 | 35.62 1.66 0.00 | 31.38 1.52 0.00 |
| INDIAN POINT___2 23530 | 44.55 1.76 0.00 | 35.46 1.50 0.00 | 33.69 1.40 0.00 | 32.43 1.28 0.00 | 32.34 1.25 0.00 | 31.91 1.25 0.00 | 37.86 1.45 0.00 | 35.23 1.58 0.00 | 34.68 1.71 0.00 | 36.68 1.92 0.00 | 33.19 1.86 0.00 | 30.98 1.83 -0.09 | 28.61 1.67 0.00 | 27.32 1.63 0.00 | 24.66 1.44 0.00 | 22.16 1.32 -0.36 | 24.52 1.46 0.00 | 26.20 1.58 0.00 | 34.54 1.93 0.00 | 45.92 2.34 0.00 | 53.75 2.65 -0.46 | 40.96 1.96 -0.02 | 35.60 1.64 0.00 | 31.36 1.50 0.00 |
| INDIAN POINT___3 23531 | 44.56 1.77 0.00 | 35.46 1.51 0.00 | 33.70 1.41 0.00 | 32.43 1.28 0.00 | 32.34 1.25 0.00 | 31.92 1.25 0.00 | 37.88 1.46 0.00 | 35.24 1.58 0.00 | 34.68 1.71 0.00 | 36.68 1.91 0.00 | 33.18 1.85 -0.09 | 30.96 1.82 0.00 | 28.61 1.66 0.00 | 27.32 1.63 0.00 | 24.66 1.43 0.00 | 22.15 1.32 -0.35 | 24.52 1.46 0.00 | 26.20 1.59 0.00 | 34.55 1.94 0.00 | 45.93 2.35 0.00 | 53.74 2.64 -0.46 | 40.96 1.97 -0.02 | 35.61 1.65 0.00 | 31.36 1.50 0.00 |
| INGHAM_C_115KV_TB7 356103 | 43.71 0.92 0.00 | 34.77 0.82 0.00 | 33.04 0.75 0.00 | 31.88 0.74 0.00 | 31.82 0.73 0.00 | 31.38 0.71 0.00 | 37.21 0.79 0.00 | 34.18 0.52 0.00 | 33.17 0.20 0.00 | 34.42 -0.34 0.00 | 30.87 -0.47 0.00 | 28.64 -0.42 0.00 | 26.52 -0.43 0.00 | 25.23 -0.46 0.00 | 22.76 -0.46 0.00 | 20.13 -0.35 0.00 | 22.72 -0.34 0.00 | 24.56 -0.06 0.00 | 33.08 0.46 0.00 | 44.72 1.14 0.00 | 52.04 1.40 0.00 | 40.09 1.11 0.00 | 34.94 0.98 0.00 | 30.71 0.85 0.00 |
| IP CORINTH___1 23988 | 44.88 2.09 0.00 | 35.60 1.64 0.00 | 33.85 1.57 0.00 | 32.58 1.43 0.00 | 32.53 1.44 0.00 | 32.17 1.50 0.00 | 38.15 1.73 0.00 | 35.24 1.58 0.00 | 34.34 1.36 0.00 | 35.86 1.09 0.00 | 32.08 0.75 0.00 | 29.78 0.73 0.00 | 27.58 0.63 0.00 | 26.20 0.51 0.00 | 23.65 0.43 0.00 | 20.99 0.50 0.00 | 23.77 0.71 0.00 | 25.70 1.08 0.00 | 34.32 1.71 0.00 | 46.07 2.48 0.00 | 53.50 2.86 0.00 | 41.03 2.05 0.00 | 35.69 1.73 0.00 | 31.30 1.44 0.00 |
| IP___TICONDEROGA 23804 | 46.85 4.06 0.00 | 37.08 3.12 0.00 | 35.43 3.14 0.00 | 33.79 2.65 0.00 | 33.72 2.63 0.00 | 33.59 2.92 0.00 | 39.75 3.34 0.00 | 36.51 2.85 0.00 | 35.43 2.46 0.00 | 36.87 2.10 0.00 | 32.58 1.25 0.00 | 30.40 1.34 0.00 | 28.11 1.16 0.00 | 26.58 0.90 0.00 | 23.85 0.63 0.00 | 21.31 0.83 0.00 | 24.31 1.25 0.00 | 26.53 1.92 0.00 | 35.47 2.86 0.00 | 47.80 4.21 0.00 | 55.53 4.89 0.00 | 42.41 3.44 0.00 | 36.99 3.03 0.00 | 32.37 2.52 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ISLIP_RES_REC 323679 | 45.12 2.33 0.00 | 36.28 2.32 0.00 | 34.51 2.21 -0.01 | 33.27 2.13 0.00 | 33.12 2.03 0.00 | 32.73 2.06 0.00 | 38.61 2.19 0.00 | 35.39 1.73 0.00 | 36.95 2.24 -1.74 | 53.96 2.60 -16.60 | 46.67 2.33 -13.00 | 42.63 2.27 -11.31 | 32.21 2.13 -3.14 | 27.48 1.79 0.00 | 24.83 1.61 0.00 | 21.98 1.50 0.00 | 25.15 2.04 -0.05 | 38.32 2.28 -11.43 | 105.54 2.89 -70.04 | 102.30 3.40 -55.32 | 93.19 4.04 -38.51 | 79.14 3.10 -37.07 | 53.39 2.60 -16.83 | 46.67 2.30 -14.51 |
| JAMAICA__27_KV_LOAD 355505 | 44.89 2.09 0.00 | 35.70 1.74 0.00 | 33.89 1.61 0.00 | 32.62 1.48 0.00 | 32.53 1.44 0.00 | 32.12 1.45 0.00 | 38.11 1.69 0.00 | 35.53 1.87 0.00 | 34.98 2.01 0.00 | 37.02 2.26 0.00 | 33.57 2.24 0.00 | 31.23 2.18 0.00 | 28.96 2.02 0.00 | 27.73 2.05 0.00 | 25.00 1.77 0.00 | 22.12 1.63 0.00 | 24.79 1.73 0.00 | 26.48 1.86 0.00 | 34.86 2.25 0.00 | 46.29 2.70 0.00 | 53.75 3.11 0.00 | 41.36 2.39 0.00 | 36.01 2.05 0.00 | 31.66 1.80 0.00 |
| JANIS__SOLAR 323808 | 43.88 1.09 0.00 | 34.69 0.73 0.00 | 32.98 0.69 0.00 | 31.75 0.61 0.00 | 31.77 0.68 0.00 | 31.40 0.73 0.00 | 37.30 0.88 0.00 | 34.18 0.52 0.00 | 32.92 -0.05 0.00 | 34.26 -0.50 0.00 | 30.69 -0.64 0.00 | 28.30 -0.75 0.00 | 26.57 -0.37 0.00 | 25.34 -0.34 0.00 | 22.85 -0.37 0.00 | 20.17 -0.31 0.00 | 22.75 -0.32 0.00 | 24.56 -0.06 0.00 | 33.10 0.49 0.00 | 45.19 1.60 0.00 | 52.71 2.08 0.00 | 40.31 1.33 0.00 | 34.99 1.03 0.00 | 30.79 0.93 0.00 |
| JARVIS____ 23743 | 42.87 0.08 0.00 | 34.03 0.07 0.00 | 32.35 0.07 0.00 | 31.21 0.06 0.00 | 31.15 0.06 0.00 | 30.73 0.06 0.00 | 36.48 0.07 0.00 | 33.73 0.07 0.00 | 33.02 0.05 0.00 | 34.80 0.03 0.00 | 31.37 0.03 0.00 | 29.10 0.04 0.00 | 26.97 0.03 0.00 | 25.71 0.03 0.00 | 23.25 0.02 0.00 | 20.52 0.04 0.00 | 23.10 0.04 0.00 | 24.67 0.06 0.00 | 32.70 0.09 0.00 | 43.72 0.13 0.00 | 50.79 0.15 0.00 | 39.09 0.11 0.00 | 34.04 0.07 0.00 | 29.94 0.08 0.00 |
| JENNISON__1 23625 | 44.36 1.57 0.00 | 35.16 1.20 0.00 | 33.40 1.12 0.00 | 32.17 1.02 0.00 | 32.18 1.09 0.00 | 31.80 1.13 0.00 | 37.77 1.36 0.00 | 34.79 1.13 0.00 | 33.81 0.84 0.00 | 35.34 0.57 0.00 | 31.69 0.35 0.00 | 29.62 0.23 -0.33 | 27.35 0.40 0.00 | 26.10 0.41 0.00 | 23.53 0.31 0.00 | 22.14 0.32 -1.34 | 23.46 0.39 0.00 | 25.32 0.70 0.00 | 33.91 1.29 0.00 | 45.76 2.18 0.00 | 54.95 2.58 -1.73 | 40.66 1.59 -0.09 | 35.14 1.18 0.00 | 31.04 1.17 -0.01 |
| JENNISON__2 23626 | 44.36 1.57 0.00 | 35.16 1.20 0.00 | 33.40 1.12 0.00 | 32.17 1.02 0.00 | 32.18 1.09 0.00 | 31.80 1.13 0.00 | 37.77 1.36 0.00 | 34.79 1.13 0.00 | 33.81 0.84 0.00 | 35.34 0.57 0.00 | 31.69 0.35 0.00 | 29.62 0.23 -0.33 | 27.35 0.40 0.00 | 26.10 0.41 0.00 | 23.53 0.31 0.00 | 22.14 0.32 -1.34 | 23.46 0.39 0.00 | 25.32 0.70 0.00 | 33.91 1.29 0.00 | 45.76 2.18 0.00 | 54.95 2.58 -1.73 | 40.66 1.59 -0.09 | 35.14 1.18 0.00 | 31.04 1.17 -0.01 |
| JERICHO_RISE_WT_PWR 323719 | 43.06 0.27 0.00 | 34.19 0.23 0.00 | 32.51 0.23 0.00 | 31.38 0.24 0.00 | 31.40 0.31 0.00 | 30.98 0.31 0.00 | 36.83 0.41 0.00 | 34.00 0.34 0.00 | 33.27 0.30 0.00 | 35.01 0.25 0.00 | 31.52 0.18 0.00 | 29.19 0.14 0.00 | 27.00 0.06 0.00 | 25.71 0.02 0.00 | 23.22 0.00 0.00 | 20.50 0.02 0.00 | 23.12 0.05 0.00 | 24.71 0.09 0.00 | 32.79 0.17 0.00 | 43.83 0.25 0.00 | 50.94 0.30 0.00 | 39.28 0.31 0.00 | 34.28 0.31 0.00 | 30.04 0.18 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 44.76 1.97 0.00 | 35.62 1.66 0.00 | 33.84 1.55 0.00 | 32.56 1.42 0.00 | 32.48 1.39 0.00 | 32.06 1.39 0.00 | 38.04 1.62 0.00 | 35.39 1.73 0.00 | 34.84 1.86 0.00 | 36.85 2.09 0.00 | 33.32 1.98 0.00 | 31.00 1.94 0.00 | 28.72 1.77 0.00 | 27.40 1.71 0.00 | 24.73 1.51 0.00 | 21.87 1.38 0.00 | 24.61 1.55 0.00 | 26.31 1.70 0.00 | 34.71 2.09 0.00 | 46.14 2.55 0.00 | 53.53 2.89 0.00 | 41.13 2.15 0.00 | 35.77 1.80 0.00 | 31.47 1.61 0.00 |
| KCE_NY_1 323755 | 44.69 1.91 0.00 | 35.45 1.49 0.00 | 33.72 1.44 0.00 | 32.53 1.39 0.00 | 32.47 1.38 0.00 | 32.04 1.38 0.00 | 38.00 1.59 0.00 | 35.16 1.50 0.00 | 34.29 1.32 0.00 | 35.92 1.16 0.00 | 32.23 0.89 0.00 | 29.91 0.85 0.00 | 27.71 0.76 0.00 | 26.35 0.66 0.00 | 23.83 0.61 0.00 | 21.10 0.62 0.00 | 23.85 0.79 0.00 | 25.70 1.08 0.00 | 34.25 1.63 0.00 | 45.85 2.27 0.00 | 53.23 2.59 0.00 | 40.85 1.87 0.00 | 35.55 1.59 0.00 | 31.23 1.38 0.00 |
| KCE_NY_6_ESR 323823 | 40.17 -2.62 0.00 | 31.40 -2.55 0.00 | 29.99 -2.29 0.00 | 28.93 -2.21 0.00 | 28.80 -2.28 0.00 | 28.45 -2.22 0.00 | 33.86 -2.56 0.00 | 31.17 -2.48 0.00 | 30.75 -2.23 0.00 | 32.20 -2.56 0.00 | 29.45 -1.89 0.00 | 26.23 -2.02 0.81 | 24.99 -1.95 0.00 | 24.12 -1.56 0.00 | 21.69 -1.53 0.00 | 15.83 -1.40 3.26 | 21.68 -1.39 0.00 | 22.99 -1.63 0.00 | 29.93 -2.68 0.00 | 40.01 -3.57 0.00 | 42.46 -3.95 4.22 | 35.56 -3.19 0.23 | 31.37 -2.59 0.00 | 27.68 -2.15 0.03 |
| KEDC_PORT_JEFF_GT2 24210 | 44.94 2.15 0.00 | 36.15 2.19 0.00 | 34.38 2.09 -0.01 | 33.15 2.00 0.00 | 33.00 1.91 0.00 | 32.61 1.94 0.00 | 38.46 2.04 0.00 | 35.27 1.61 0.00 | 36.81 2.11 -1.73 | 53.68 2.46 -16.45 | 46.44 2.21 -12.89 | 42.30 2.17 -11.07 | 32.10 2.04 -3.11 | 27.40 1.71 0.00 | 24.77 1.54 0.00 | 21.90 1.42 0.00 | 25.05 1.94 -0.05 | 38.06 2.14 -11.30 | 104.52 2.70 -69.20 | 101.33 3.13 -54.61 | 92.30 3.71 -37.96 | 78.40 2.84 -36.58 | 52.94 2.39 -16.60 | 46.38 2.14 -14.38 |
| KEDC_PORT_JEFF_GT3 24211 | 44.94 2.15 0.00 | 36.15 2.19 0.00 | 34.38 2.09 -0.01 | 33.15 2.00 0.00 | 33.00 1.91 0.00 | 32.61 1.94 0.00 | 38.46 2.04 0.00 | 35.27 1.61 0.00 | 36.81 2.11 -1.73 | 53.68 2.46 -16.45 | 46.44 2.21 -12.89 | 42.30 2.17 -11.07 | 32.10 2.04 -3.11 | 27.40 1.71 0.00 | 24.77 1.54 0.00 | 21.90 1.42 0.00 | 25.05 1.94 -0.05 | 38.06 2.14 -11.30 | 104.52 2.70 -69.20 | 101.33 3.13 -54.61 | 92.30 3.71 -37.96 | 78.40 2.84 -36.58 | 52.94 2.39 -16.60 | 46.38 2.14 -14.38 |
| KEDC_GLWD_GT4 24219 | 45.09 2.30 0.00 | 36.02 2.06 0.00 | 34.22 1.92 -0.01 | 32.94 1.79 0.00 | 32.83 1.74 0.00 | 32.41 1.75 0.00 | 38.38 1.96 0.00 | 35.57 1.91 0.00 | 37.91 2.18 -2.76 | 63.61 2.55 -26.29 | 54.37 2.44 -20.60 | 49.02 2.38 -17.58 | 34.11 2.19 -4.97 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.12 1.63 0.00 | 25.02 1.89 -0.07 | 42.34 2.06 -15.66 | 127.53 2.55 -92.37 | 116.40 3.09 -69.72 | 98.87 3.44 -44.79 | 87.50 2.58 -45.94 | 55.80 2.20 -19.63 | 54.85 2.01 -22.98 |
| KEDC_GLWD_GTS 24220 | 45.09 2.30 0.00 | 36.02 2.06 0.00 | 34.22 1.92 -0.01 | 32.94 1.79 0.00 | 32.83 1.74 0.00 | 32.41 1.75 0.00 | 38.38 1.96 0.00 | 35.57 1.91 0.00 | 37.91 2.18 -2.76 | 63.61 2.55 -26.29 | 54.37 2.44 -20.60 | 49.02 2.38 -17.58 | 34.11 2.19 -4.97 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.12 1.63 0.00 | 25.02 1.89 -0.07 | 42.34 2.06 -15.66 | 127.53 2.55 -92.37 | 116.40 3.09 -69.72 | 98.87 3.44 -44.79 | 87.50 2.58 -45.94 | 55.80 2.20 -19.63 | 54.85 2.01 -22.98 |
| KENSICO____ 23655 | 44.67 1.88 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.51 1.37 0.00 | 32.43 1.34 0.00 | 32.01 1.34 0.00 | 37.97 1.55 0.00 | 35.33 1.67 0.00 | 34.78 1.81 0.00 | 36.80 2.04 0.00 | 33.30 1.96 0.00 | 30.99 1.94 0.00 | 28.71 1.77 0.00 | 27.41 1.73 0.00 | 24.75 1.52 0.00 | 21.88 1.39 0.00 | 24.61 1.55 0.00 | 26.29 1.68 0.00 | 34.66 2.05 0.00 | 46.06 2.47 0.00 | 53.43 2.79 0.00 | 41.05 2.08 0.00 | 35.71 1.75 0.00 | 31.45 1.59 0.00 |

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| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 45.13 2.34 0.00 | 35.87 1.91 0.00 | 34.06 1.78 0.00 | 32.78 1.64 0.00 | 32.70 1.61 0.00 | 32.28 1.61 0.00 | 38.33 1.91 0.00 | 35.63 1.97 0.00 | 35.02 2.05 0.00 | 36.98 2.21 0.00 | 33.22 1.88 0.00 | 30.91 1.76 -0.10 | 28.47 1.53 0.00 | 27.16 1.47 0.00 | 24.52 1.30 0.00 | 22.08 1.20 -0.39 | 24.43 1.37 0.00 | 26.23 1.62 0.00 | 34.79 2.18 0.00 | 46.41 2.82 0.00 | 54.44 3.29 -0.51 | 41.43 2.42 -0.03 | 35.93 1.97 0.00 | 31.58 1.72 0.00 |
| KIAC_JFK_GT1 23816 | 44.63 1.84 0.00 | 35.50 1.54 0.00 | 33.72 1.43 0.00 | 32.45 1.30 0.00 | 32.36 1.27 0.00 | 31.95 1.28 0.00 | 37.90 1.49 0.00 | 35.34 1.68 0.00 | 34.78 1.82 0.00 | 36.82 2.05 0.00 | 33.39 2.05 0.00 | 31.07 2.01 0.00 | 28.82 1.87 0.00 | 27.59 1.90 0.00 | 24.88 1.66 0.00 | 22.01 1.53 0.00 | 24.67 1.61 0.00 | 26.32 1.70 0.00 | 34.56 1.95 0.00 | 45.87 2.29 0.00 | 53.26 2.61 0.00 | 40.99 2.02 0.00 | 35.78 1.82 0.00 | 31.49 1.64 0.00 |
| KIAC_JFK_GT2 23817 | 44.63 1.84 0.00 | 35.50 1.54 0.00 | 33.72 1.43 0.00 | 32.45 1.30 0.00 | 32.36 1.27 0.00 | 31.95 1.28 0.00 | 37.90 1.49 0.00 | 35.34 1.68 0.00 | 34.78 1.82 0.00 | 36.82 2.05 0.00 | 33.39 2.05 0.00 | 31.07 2.01 0.00 | 28.82 1.87 0.00 | 27.59 1.90 0.00 | 24.88 1.66 0.00 | 22.01 1.53 0.00 | 24.67 1.61 0.00 | 26.32 1.70 0.00 | 34.56 1.95 0.00 | 45.87 2.29 0.00 | 53.26 2.61 0.00 | 40.99 2.02 0.00 | 35.78 1.82 0.00 | 31.49 1.64 0.00 |
| KIAC_JFK____ 323774 | 44.62 1.83 0.00 | 35.50 1.54 0.00 | 33.72 1.43 0.00 | 32.45 1.31 0.00 | 32.36 1.27 0.00 | 31.95 1.28 0.00 | 37.90 1.49 0.00 | 35.33 1.67 0.00 | 34.78 1.81 0.00 | 36.82 2.05 0.00 | 33.39 2.05 0.00 | 31.08 2.01 0.00 | 28.82 1.87 0.00 | 27.59 1.90 0.00 | 24.88 1.65 0.00 | 22.01 1.53 0.00 | 24.67 1.60 0.00 | 26.32 1.70 0.00 | 34.57 1.95 0.00 | 45.87 2.29 0.00 | 53.27 2.63 0.00 | 40.99 2.02 0.00 | 35.78 1.82 0.00 | 31.50 1.64 0.00 |
| KINTIGH_24_KV_GSU 356498 | 40.09 -2.70 0.00 | 31.39 -2.57 0.00 | 29.95 -2.34 0.00 | 28.90 -2.24 0.00 | 28.77 -2.32 0.00 | 28.41 -2.26 0.00 | 33.81 -2.60 0.00 | 31.11 -2.55 0.00 | 30.66 -2.31 0.00 | 32.22 -2.54 0.00 | 29.43 -1.90 0.00 | 26.46 -1.97 0.62 | 25.08 -1.86 0.00 | 24.15 -1.54 0.00 | 21.76 -1.46 0.00 | 16.65 -1.33 2.50 | 21.72 -1.34 0.00 | 23.00 -1.62 0.00 | 29.92 -2.70 0.00 | 39.96 -3.63 0.00 | 43.35 -4.05 3.24 | 35.58 -3.22 0.17 | 31.33 -2.63 0.00 | 27.64 -2.19 0.02 |
| KINTIGH____ 23543 | 40.09 -2.71 0.00 | 31.37 -2.59 0.00 | 29.92 -2.36 0.00 | 28.88 -2.26 0.00 | 28.75 -2.34 0.00 | 28.39 -2.28 0.00 | 33.80 -2.62 0.00 | 31.08 -2.58 0.00 | 30.66 -2.32 0.00 | 32.21 -2.55 0.00 | 29.42 -1.91 0.00 | 26.46 -1.97 0.62 | 25.07 -1.88 0.00 | 24.14 -1.55 0.00 | 21.75 -1.47 0.00 | 16.65 -1.33 2.50 | 21.71 -1.35 0.00 | 22.98 -1.63 0.00 | 29.91 -2.71 0.00 | 39.94 -3.64 0.00 | 43.36 -4.04 3.24 | 35.58 -3.22 0.17 | 31.34 -2.62 0.00 | 27.64 -2.19 0.02 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 43.49 0.70 0.00 | 34.53 0.58 0.00 | 32.83 0.55 0.00 | 31.68 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.77 0.00 | 34.32 0.66 0.00 | 33.51 0.54 0.00 | 35.23 0.47 0.00 | 31.69 0.35 0.00 | 29.37 0.31 0.00 | 27.17 0.22 0.00 | 25.85 0.17 0.00 | 23.34 0.12 0.00 | 20.65 0.16 0.00 | 23.30 0.23 0.00 | 24.92 0.30 0.00 | 33.08 0.47 0.00 | 44.35 0.77 0.00 | 51.55 0.92 0.00 | 39.75 0.77 0.00 | 34.67 0.71 0.00 | 30.36 0.50 0.00 |
| LACHUTE__HYDRO 323717 | 46.85 4.06 0.00 | 37.07 3.12 0.00 | 35.43 3.14 0.00 | 33.79 2.64 0.00 | 33.72 2.63 0.00 | 33.59 2.92 0.00 | 39.75 3.34 0.00 | 36.51 2.85 0.00 | 35.44 2.46 0.00 | 36.86 2.10 0.00 | 32.58 1.25 0.00 | 30.40 1.34 0.00 | 28.11 1.16 0.00 | 26.58 0.90 0.00 | 23.85 0.63 0.00 | 21.31 0.83 0.00 | 24.31 1.25 0.00 | 26.53 1.92 0.00 | 35.47 2.86 0.00 | 47.80 4.22 0.00 | 55.53 4.89 0.00 | 42.41 3.44 0.00 | 36.99 3.03 0.00 | 32.37 2.51 0.00 |
| LAWRNCV_115KV_TB1 80681 | 41.96 -0.83 0.00 | 33.26 -0.70 0.00 | 31.62 -0.67 0.00 | 30.53 -0.61 0.00 | 30.53 -0.56 0.00 | 30.12 -0.55 0.00 | 35.81 -0.60 0.00 | 32.94 -0.72 0.00 | 32.09 -0.88 0.00 | 33.70 -1.06 0.00 | 30.31 -1.03 0.00 | 28.07 -0.99 0.00 | 25.99 -0.96 0.00 | 24.74 -0.95 0.00 | 22.37 -0.85 0.00 | 19.68 -0.81 0.00 | 22.15 -0.91 0.00 | 23.67 -0.94 0.00 | 31.54 -1.07 0.00 | 42.36 -1.22 0.00 | 49.39 -1.25 0.00 | 38.10 -0.87 0.00 | 33.24 -0.72 0.00 | 29.14 -0.72 0.00 |
| LEDERLE____ 23769 | 44.80 2.00 0.00 | 35.64 1.68 0.00 | 33.86 1.58 0.00 | 32.58 1.43 0.00 | 32.50 1.41 0.00 | 32.07 1.40 0.00 | 38.06 1.65 0.00 | 35.42 1.76 0.00 | 34.85 1.88 0.00 | 36.85 2.09 0.00 | 33.35 2.01 0.00 | 31.12 1.97 -0.09 | 28.73 1.79 0.00 | 27.43 1.75 0.00 | 24.76 1.54 0.00 | 22.26 1.41 -0.36 | 24.64 1.58 0.00 | 26.34 1.72 0.00 | 34.74 2.13 0.00 | 46.22 2.63 0.00 | 54.10 2.99 -0.47 | 41.20 2.20 -0.02 | 35.79 1.83 0.00 | 31.51 1.65 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 41.51 -1.28 0.00 | 32.86 -1.09 0.00 | 31.29 -1.00 0.00 | 30.29 -0.86 0.00 | 30.30 -0.78 0.00 | 29.83 -0.84 0.00 | 35.22 -1.20 0.00 | 32.18 -1.48 0.00 | 30.84 -2.13 0.00 | 32.31 -2.46 0.00 | 29.15 -2.19 0.00 | 26.98 -2.07 0.00 | 25.11 -1.83 0.00 | 23.99 -1.69 0.00 | 21.68 -1.55 0.00 | 19.13 -1.35 0.00 | 21.41 -1.65 0.00 | 22.77 -1.85 0.00 | 30.59 -2.03 0.00 | 41.82 -1.76 0.00 | 49.54 -1.10 0.00 | 37.92 -1.05 0.00 | 33.08 -0.88 0.00 | 29.06 -0.80 0.00 |
| LINDEN COGEN____ 23786 | 44.71 1.92 0.00 | 35.62 1.66 0.00 | 33.82 1.54 0.00 | 32.56 1.42 0.00 | 32.47 1.38 0.00 | 32.04 1.37 0.00 | 38.00 1.58 0.00 | 35.41 1.75 0.00 | 34.89 1.91 0.00 | 36.95 2.18 0.00 | 33.45 2.11 0.00 | 31.15 2.09 0.00 | 28.88 1.94 0.00 | 27.59 1.90 0.00 | 24.90 1.67 0.00 | 22.01 1.53 0.00 | 24.74 1.68 0.00 | 26.40 1.79 0.00 | 34.77 2.16 0.00 | 46.14 2.56 0.00 | 53.50 2.86 0.00 | 41.13 2.16 0.00 | 35.78 1.82 0.00 | 31.53 1.67 0.00 |
| LINDHRST_69_KV_BK1 356055 | 45.48 2.69 0.00 | 36.44 2.48 0.00 | 34.63 2.33 -0.01 | 33.34 2.19 0.00 | 33.20 2.12 0.00 | 32.80 2.14 0.00 | 38.75 2.33 0.00 | 35.72 2.07 0.00 | 37.42 2.47 -1.98 | 56.52 2.94 -18.82 | 48.86 2.78 -14.75 | 44.32 2.68 -12.59 | 32.97 2.46 -3.56 | 27.83 2.15 0.00 | 25.10 1.87 0.00 | 22.19 1.70 0.00 | 25.20 2.08 -0.05 | 38.52 2.31 -11.59 | 104.59 2.96 -69.01 | 99.87 3.59 -52.70 | 89.34 4.12 -34.59 | 76.97 3.13 -34.87 | 51.79 2.68 -15.15 | 48.73 2.43 -16.45 |
| LIPA_MISC_IPP 23656 | 44.81 2.02 0.00 | 36.08 2.12 0.00 | 34.36 2.07 -0.01 | 33.16 2.02 0.00 | 33.01 1.92 0.00 | 32.62 1.95 0.00 | 38.44 2.02 0.00 | 35.11 1.45 0.00 | 36.68 1.98 -1.72 | 53.46 2.31 -16.38 | 46.11 1.93 -12.84 | 41.29 1.89 -10.35 | 31.84 1.80 -3.10 | 27.17 1.49 0.00 | 24.61 1.38 0.00 | 21.77 1.28 0.00 | 25.04 1.94 -0.04 | 38.39 2.14 -11.64 | 107.12 2.69 -71.81 | 103.79 3.02 -57.19 | 94.70 3.72 -40.33 | 80.27 2.87 -38.43 | 53.99 2.40 -17.63 | 46.29 2.11 -14.32 |
| LISF__SOLAR 323691 | 44.86 2.07 0.00 | 36.13 2.17 0.00 | 34.40 2.11 -0.01 | 33.21 2.07 0.00 | 33.06 1.97 0.00 | 32.66 2.00 0.00 | 38.49 2.07 0.00 | 35.13 1.47 0.00 | 36.72 2.03 -1.72 | 53.52 2.35 -16.41 | 46.16 1.97 -12.86 | 41.01 1.91 -10.04 | 31.86 1.82 -3.10 | 27.18 1.49 0.00 | 24.61 1.39 0.00 | 21.78 1.29 0.00 | 25.07 1.96 -0.04 | 38.40 2.19 -11.60 | 106.87 2.74 -71.51 | 103.55 3.09 -56.88 | 94.52 3.84 -40.04 | 80.14 2.96 -38.21 | 53.93 2.47 -17.50 | 46.35 2.15 -14.34 |

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|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| LITTLE FALLS___HYD 24013 | 43.71 0.92 0.00 | 34.77 0.82 0.00 | 33.04 0.75 0.00 | 31.88 0.74 0.00 | 31.82 0.73 0.00 | 31.38 0.71 0.00 | 37.21 0.79 0.00 | 34.18 0.52 0.00 | 33.17 0.20 0.00 | 34.42 -0.34 0.00 | 30.87 -0.47 0.00 | 28.64 -0.42 0.00 | 26.52 -0.43 0.00 | 25.23 -0.46 0.00 | 22.76 -0.46 0.00 | 20.13 -0.35 0.00 | 22.72 -0.34 0.00 | 24.56 -0.06 0.00 | 33.08 0.46 0.00 | 44.72 1.14 0.00 | 52.04 1.40 0.00 | 40.09 1.11 0.00 | 34.94 0.98 0.00 | 30.71 0.85 0.00 |
| LITTLRIV__115KV_TB1 356100 | 42.43 -0.36 0.00 | 33.63 -0.33 0.00 | 31.97 -0.32 0.00 | 30.87 -0.28 0.00 | 30.87 -0.22 0.00 | 30.47 -0.20 0.00 | 36.22 -0.20 0.00 | 33.23 -0.43 0.00 | 32.24 -0.73 0.00 | 33.78 -0.98 0.00 | 30.37 -0.97 0.00 | 28.12 -0.94 0.00 | 26.03 -0.91 0.00 | 24.78 -0.91 0.00 | 22.41 -0.81 0.00 | 19.71 -0.77 0.00 | 22.20 -0.87 0.00 | 23.72 -0.89 0.00 | 31.64 -0.98 0.00 | 42.72 -0.86 0.00 | 49.98 -0.66 0.00 | 38.57 -0.41 0.00 | 33.63 -0.33 0.00 | 29.45 -0.41 0.00 |
| LI_NEWBRDGE___DRP 323616 | 44.76 1.97 0.00 | 35.87 1.91 0.00 | 34.10 1.81 0.00 | 32.82 1.68 0.00 | 32.71 1.62 0.00 | 32.30 1.64 0.00 | 38.18 1.76 0.00 | 35.23 1.57 0.00 | 36.53 1.94 -1.62 | 52.58 2.43 -15.39 | 45.70 2.30 -12.06 | 41.63 2.28 -10.29 | 31.97 2.12 -2.91 | 27.56 1.87 0.00 | 24.88 1.65 0.00 | 21.98 1.50 0.00 | 24.90 1.80 -0.04 | 35.74 1.96 -9.17 | 89.13 2.44 -54.07 | 87.28 2.88 -40.82 | 79.97 3.11 -26.22 | 68.23 2.36 -26.89 | 47.48 2.02 -11.50 | 45.20 1.89 -13.45 |
| LOCKPORT__115KV_TB60_63_64 80432 | 39.71 -3.08 0.00 | 31.03 -2.93 0.00 | 29.62 -2.67 0.00 | 28.60 -2.54 0.00 | 28.48 -2.61 0.00 | 28.14 -2.53 0.00 | 33.50 -2.92 0.00 | 30.74 -2.92 0.00 | 30.34 -2.63 0.00 | 31.80 -2.96 0.00 | 29.11 -2.22 0.68 | 26.09 -2.28 0.00 | 24.78 -2.17 0.00 | 23.88 -1.81 0.00 | 21.51 -1.71 0.00 | 16.22 -1.54 2.72 | 21.47 -1.59 0.00 | 22.68 -1.93 0.00 | 29.42 -3.19 0.00 | 39.25 -4.33 0.00 | 42.38 -4.74 3.52 | 35.02 -3.77 0.19 | 31.00 -2.96 0.00 | 27.38 -2.46 0.02 |
| LOCKPORT___CC1 323769 | 39.71 -3.08 0.00 | 31.01 -2.95 0.00 | 29.63 -2.66 0.00 | 28.59 -2.55 0.00 | 28.48 -2.61 0.00 | 28.13 -2.53 0.00 | 33.49 -2.92 0.00 | 30.76 -2.90 0.00 | 30.34 -2.63 0.00 | 31.81 -2.95 0.00 | 29.11 -2.22 0.00 | 26.07 -2.30 0.69 | 24.77 -2.17 0.00 | 23.88 -1.81 0.00 | 21.51 -1.71 0.00 | 16.16 -1.56 2.77 | 21.47 -1.59 0.00 | 22.69 -1.92 0.00 | 29.42 -3.19 0.00 | 39.27 -4.31 0.00 | 42.28 -4.77 3.58 | 35.01 -3.77 0.19 | 30.95 -3.01 0.00 | 27.36 -2.48 0.02 |
| LOCKPORT___CC2 323770 | 39.71 -3.08 0.00 | 31.01 -2.95 0.00 | 29.63 -2.66 0.00 | 28.59 -2.55 0.00 | 28.48 -2.61 0.00 | 28.13 -2.53 0.00 | 33.49 -2.92 0.00 | 30.76 -2.90 0.00 | 30.34 -2.63 0.00 | 31.81 -2.95 0.00 | 29.11 -2.22 0.00 | 26.07 -2.30 0.69 | 24.77 -2.17 0.00 | 23.88 -1.81 0.00 | 21.51 -1.71 0.00 | 16.16 -1.56 2.77 | 21.47 -1.59 0.00 | 22.69 -1.92 0.00 | 29.42 -3.19 0.00 | 39.27 -4.31 0.00 | 42.28 -4.77 3.58 | 35.01 -3.77 0.19 | 30.95 -3.01 0.00 | 27.36 -2.48 0.02 |
| LOCKPORT___CC3 323771 | 39.71 -3.08 0.00 | 31.01 -2.95 0.00 | 29.63 -2.66 0.00 | 28.59 -2.55 0.00 | 28.48 -2.61 0.00 | 28.13 -2.53 0.00 | 33.49 -2.92 0.00 | 30.76 -2.90 0.00 | 30.34 -2.63 0.00 | 31.81 -2.95 0.00 | 29.11 -2.22 0.00 | 26.07 -2.30 0.69 | 24.77 -2.17 0.00 | 23.88 -1.81 0.00 | 21.51 -1.71 0.00 | 16.16 -1.56 2.77 | 21.47 -1.59 0.00 | 22.69 -1.92 0.00 | 29.42 -3.19 0.00 | 39.27 -4.31 0.00 | 42.28 -4.77 3.58 | 35.01 -3.77 0.19 | 30.95 -3.01 0.00 | 27.36 -2.48 0.02 |
| LOCUSVLY_69_KV_BK2 55797 | 45.16 2.37 0.00 | 36.11 2.16 0.00 | 34.31 2.01 -0.01 | 33.03 1.88 0.00 | 32.92 1.83 0.00 | 32.50 1.84 0.00 | 38.45 2.03 0.00 | 35.58 1.92 0.00 | 37.70 2.24 -2.49 | 61.11 2.63 -23.71 | 52.43 2.51 -18.58 | 47.39 2.47 -15.86 | 33.70 2.27 -4.48 | 27.76 2.07 0.00 | 25.06 1.83 0.00 | 22.14 1.66 0.00 | 25.08 1.95 -0.06 | 40.44 2.11 -13.71 | 115.44 2.64 -80.18 | 106.63 3.17 -59.88 | 91.86 3.54 -37.68 | 80.93 2.67 -39.28 | 52.78 2.29 -16.53 | 52.68 2.10 -20.73 |
| LONG_LAKE_PHOENIX 24014 | 41.19 -1.61 0.00 | 32.63 -1.33 0.00 | 31.03 -1.26 0.00 | 29.94 -1.20 0.00 | 29.88 -1.21 0.00 | 29.49 -1.17 0.00 | 35.00 -1.41 0.00 | 32.32 -1.34 0.00 | 31.62 -1.36 0.00 | 33.40 -1.36 0.00 | 30.11 -1.23 0.00 | 27.88 -1.17 0.00 | 25.97 -0.98 0.00 | 24.77 -0.92 0.00 | 22.38 -0.84 0.00 | 19.75 -0.73 0.00 | 22.22 -0.85 0.00 | 23.68 -0.93 0.00 | 31.37 -1.24 0.00 | 42.04 -1.54 0.00 | 48.91 -1.73 0.00 | 37.61 -1.37 0.00 | 32.74 -1.22 0.00 | 28.78 -1.08 0.00 |
| LOVETT___3 23632 | 44.51 1.72 0.00 | 35.43 1.47 0.00 | 33.66 1.37 0.00 | 32.39 1.25 0.00 | 32.31 1.22 0.00 | 31.88 1.21 0.00 | 37.83 1.41 0.00 | 35.20 1.54 0.00 | 34.64 1.67 0.00 | 36.64 1.87 0.00 | 33.14 1.81 0.00 | 30.93 1.79 -0.09 | 28.57 1.63 0.00 | 27.28 1.59 0.00 | 24.62 1.40 0.00 | 22.13 1.28 -0.36 | 24.49 1.43 0.00 | 26.16 1.54 0.00 | 34.50 1.89 0.00 | 45.87 2.29 0.00 | 53.69 2.59 -0.46 | 40.91 1.91 -0.02 | 35.55 1.59 0.00 | 31.32 1.46 0.00 |
| LOVETT___4 23642 | 44.51 1.72 0.00 | 35.43 1.47 0.00 | 33.66 1.37 0.00 | 32.39 1.25 0.00 | 32.31 1.22 0.00 | 31.88 1.21 0.00 | 37.83 1.41 0.00 | 35.20 1.54 0.00 | 34.64 1.67 0.00 | 36.64 1.87 0.00 | 33.14 1.81 0.00 | 30.93 1.79 -0.09 | 28.57 1.63 0.00 | 27.28 1.59 0.00 | 24.62 1.40 0.00 | 22.13 1.28 -0.36 | 24.49 1.43 0.00 | 26.16 1.54 0.00 | 34.50 1.89 0.00 | 45.87 2.29 0.00 | 53.69 2.59 -0.46 | 40.91 1.91 -0.02 | 35.55 1.59 0.00 | 31.32 1.46 0.00 |
| LOVETT___5 23593 | 44.51 1.72 0.00 | 35.43 1.47 0.00 | 33.66 1.37 0.00 | 32.39 1.25 0.00 | 32.31 1.22 0.00 | 31.88 1.21 0.00 | 37.83 1.41 0.00 | 35.20 1.54 0.00 | 34.64 1.67 0.00 | 36.64 1.87 0.00 | 33.14 1.81 0.00 | 30.93 1.79 -0.09 | 28.57 1.63 0.00 | 27.28 1.59 0.00 | 24.62 1.40 0.00 | 22.13 1.28 -0.36 | 24.49 1.43 0.00 | 26.16 1.54 0.00 | 34.50 1.89 0.00 | 45.87 2.29 0.00 | 53.69 2.59 -0.46 | 40.91 1.91 -0.02 | 35.55 1.59 0.00 | 31.32 1.46 0.00 |
| LOWER RAQUET___HYD 24057 | 41.67 -1.12 0.00 | 33.05 -0.91 0.00 | 31.41 -0.87 0.00 | 30.34 -0.81 0.00 | 30.34 -0.75 0.00 | 29.94 -0.73 0.00 | 35.60 -0.82 0.00 | 32.71 -0.95 0.00 | 31.84 -1.13 0.00 | 33.42 -1.34 0.00 | 30.05 -1.29 0.00 | 27.83 -1.23 0.00 | 25.75 -1.19 0.00 | 24.52 -1.17 0.00 | 22.17 -1.06 0.00 | 19.50 -0.98 0.00 | 21.96 -1.11 0.00 | 23.47 -1.15 0.00 | 31.29 -1.32 0.00 | 42.08 -1.51 0.00 | 49.09 -1.55 0.00 | 37.87 -1.11 0.00 | 33.04 -0.92 0.00 | 28.96 -0.90 0.00 |
| LOWER___HUDSON 24059 | 44.19 1.40 0.00 | 35.13 1.17 0.00 | 33.40 1.12 0.00 | 32.24 1.10 0.00 | 32.18 1.09 0.00 | 31.71 1.04 0.00 | 37.61 1.20 0.00 | 34.81 1.16 0.00 | 34.07 1.10 0.00 | 35.81 1.04 0.00 | 32.24 0.90 0.00 | 29.95 0.89 0.00 | 27.74 0.80 0.00 | 26.38 0.69 0.00 | 23.85 0.62 0.00 | 21.10 0.61 0.00 | 23.80 0.74 0.00 | 25.51 0.90 0.00 | 33.81 1.20 0.00 | 45.22 1.63 0.00 | 52.50 1.86 0.00 | 40.37 1.39 0.00 | 35.19 1.23 0.00 | 30.96 1.10 0.00 |
| LOWVILLE_115KV_TB2 356335 | 42.49 -0.30 0.00 | 33.63 -0.33 0.00 | 31.94 -0.35 0.00 | 30.92 -0.22 0.00 | 30.94 -0.15 0.00 | 30.54 -0.12 0.00 | 36.25 -0.16 0.00 | 33.18 -0.48 0.00 | 31.92 -1.05 0.00 | 33.30 -1.46 0.00 | 29.85 -1.48 0.00 | 27.65 -1.40 0.00 | 25.69 -1.25 0.00 | 24.47 -1.21 0.00 | 22.06 -1.17 0.00 | 19.42 -1.06 0.00 | 21.86 -1.20 0.00 | 23.38 -1.24 0.00 | 31.46 -1.15 0.00 | 42.91 -0.67 0.00 | 50.42 -0.22 0.00 | 38.60 -0.37 0.00 | 33.67 -0.29 0.00 | 29.56 -0.30 0.00 |

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|---------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| LUTHERFT_115KV_GLOB_FND_222 355753 | 44.66 1.87 0.00 | 35.45 1.49 0.00 | 33.71 1.42 0.00 | 32.51 1.37 0.00 | 32.44 1.35 0.00 | 32.02 1.35 0.00 | 37.98 1.57 0.00 | 35.11 1.45 0.00 | 34.26 1.29 0.00 | 35.88 1.12 0.00 | 32.21 0.87 0.00 | 29.91 0.85 0.00 | 27.70 0.75 0.00 | 26.34 0.66 0.00 | 23.82 0.59 0.00 | 21.09 0.60 0.00 | 23.84 0.77 0.00 | 25.66 1.05 0.00 | 34.17 1.56 0.00 | 45.78 2.20 0.00 | 53.15 2.52 0.00 | 40.81 1.83 0.00 | 35.53 1.57 0.00 | 31.21 1.36 0.00 |
| LUTHERNY_35_KV_BK2 355980 | 44.69 1.90 0.00 | 35.45 1.49 0.00 | 33.72 1.44 0.00 | 32.53 1.39 0.00 | 32.47 1.38 0.00 | 32.04 1.38 0.00 | 38.00 1.59 0.00 | 35.16 1.50 0.00 | 34.29 1.32 0.00 | 35.92 1.16 0.00 | 32.23 0.89 0.00 | 29.91 0.85 0.00 | 27.71 0.76 0.00 | 26.35 0.66 0.00 | 23.83 0.61 0.00 | 21.10 0.62 0.00 | 23.85 0.79 0.00 | 25.69 1.08 0.00 | 34.24 1.63 0.00 | 45.85 2.27 0.00 | 53.23 2.59 0.00 | 40.85 1.88 0.00 | 35.55 1.58 0.00 | 31.23 1.38 0.00 |
| LWR__OSWEGATCHIE_HYD 23850 | 41.57 -1.23 0.00 | 32.92 -1.04 0.00 | 31.28 -1.01 0.00 | 30.25 -0.89 0.00 | 30.27 -0.82 0.00 | 29.87 -0.79 0.00 | 35.47 -0.95 0.00 | 32.50 -1.16 0.00 | 31.40 -1.57 0.00 | 32.87 -1.89 0.00 | 29.52 -1.82 0.00 | 27.34 -1.72 0.00 | 25.35 -1.59 0.00 | 24.15 -1.54 0.00 | 21.80 -1.42 0.00 | 19.19 -1.29 0.00 | 21.59 -1.47 0.00 | 23.08 -1.54 0.00 | 30.92 -1.69 0.00 | 41.94 -1.65 0.00 | 49.19 -1.45 0.00 | 37.78 -1.19 0.00 | 32.96 -1.00 0.00 | 28.91 -0.95 0.00 |
| LYONS_FALL_HYD 23570 | 42.90 0.11 0.00 | 33.96 0.00 0.00 | 32.27 -0.02 0.00 | 31.21 0.06 0.00 | 31.20 0.11 0.00 | 30.80 0.13 0.00 | 36.56 0.14 0.00 | 33.54 -0.12 0.00 | 32.38 -0.59 0.00 | 33.82 -0.94 0.00 | 30.33 -1.00 0.00 | 28.10 -0.96 0.00 | 26.11 -0.84 0.00 | 24.88 -0.80 0.00 | 22.44 -0.78 0.00 | 19.77 -0.71 0.00 | 22.29 -0.78 0.00 | 23.87 -0.75 0.00 | 32.08 -0.54 0.00 | 43.58 0.00 0.00 | 51.03 0.39 0.00 | 39.10 0.13 0.00 | 34.07 0.10 0.00 | 29.90 0.04 0.00 |
| MADISON__COUNTY_LFGE 323628 | 43.41 0.62 0.00 | 34.38 0.42 0.00 | 32.67 0.38 0.00 | 31.53 0.39 0.00 | 31.49 0.40 0.00 | 31.08 0.41 0.00 | 36.91 0.49 0.00 | 33.98 0.32 0.00 | 33.04 0.07 0.00 | 34.62 -0.15 0.00 | 31.08 -0.26 0.00 | 28.79 -0.13 0.00 | 26.81 -0.11 0.00 | 25.57 -0.12 0.00 | 23.10 -0.11 0.00 | 20.37 -0.11 0.00 | 22.98 -0.08 0.00 | 24.63 0.01 0.00 | 32.92 0.30 0.00 | 44.48 0.89 0.00 | 51.85 1.21 0.00 | 39.78 0.81 0.00 | 34.60 0.64 0.00 | 30.40 0.54 0.00 |
| MALONE__115KV_TB1 356076 | 42.94 0.15 0.00 | 34.09 0.13 0.00 | 32.41 0.12 0.00 | 31.29 0.15 0.00 | 31.31 0.22 0.00 | 30.91 0.25 0.00 | 36.76 0.34 0.00 | 33.91 0.25 0.00 | 33.08 0.11 0.00 | 34.80 0.03 0.00 | 31.29 -0.05 0.00 | 28.96 -0.10 0.00 | 26.78 -0.16 0.00 | 25.51 -0.18 0.00 | 23.03 -0.19 0.00 | 20.31 -0.18 0.00 | 22.91 -0.16 0.00 | 24.50 -0.11 0.00 | 32.58 -0.03 0.00 | 43.68 0.09 0.00 | 50.85 0.21 0.00 | 39.22 0.24 0.00 | 34.19 0.23 0.00 | 29.95 0.09 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 43.96 1.17 0.00 | 34.99 1.03 0.00 | 33.25 0.97 0.00 | 32.09 0.94 0.00 | 32.03 0.94 0.00 | 31.56 0.89 0.00 | 37.45 1.03 0.00 | 34.67 1.01 0.00 | 33.93 0.96 0.00 | 35.68 0.91 0.00 | 32.13 0.79 0.00 | 29.85 0.79 0.00 | 27.65 0.71 0.00 | 26.32 0.63 0.00 | 23.81 0.58 0.00 | 21.06 0.57 0.00 | 23.75 0.69 0.00 | 25.44 0.83 0.00 | 33.72 1.10 0.00 | 45.04 1.46 0.00 | 52.28 1.64 0.00 | 40.24 1.27 0.00 | 35.06 1.10 0.00 | 30.85 1.00 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 42.78 -0.01 0.00 | 33.94 -0.02 0.00 | 32.25 -0.03 0.00 | 31.13 -0.02 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.42 0.00 0.00 | 33.66 0.00 0.00 | 32.96 -0.01 0.00 | 34.73 -0.03 0.00 | 31.31 -0.03 0.00 | 29.03 -0.03 0.00 | 26.89 -0.05 0.00 | 25.64 -0.05 0.00 | 23.16 -0.06 0.00 | 20.42 -0.06 0.00 | 22.98 -0.08 0.00 | 24.50 -0.12 0.00 | 32.44 -0.17 0.00 | 43.36 -0.22 0.00 | 50.38 -0.26 0.00 | 38.76 -0.22 0.00 | 33.74 -0.22 0.00 | 29.69 -0.17 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 42.78 -0.01 0.00 | 33.94 -0.02 0.00 | 32.25 -0.03 0.00 | 31.13 -0.02 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.42 0.00 0.00 | 33.66 0.00 0.00 | 32.96 -0.01 0.00 | 34.73 -0.03 0.00 | 31.31 -0.03 0.00 | 29.03 -0.03 0.00 | 26.89 -0.05 0.00 | 25.64 -0.05 0.00 | 23.16 -0.06 0.00 | 20.42 -0.06 0.00 | 22.98 -0.08 0.00 | 24.50 -0.12 0.00 | 32.44 -0.17 0.00 | 43.36 -0.22 0.00 | 50.38 -0.26 0.00 | 38.76 -0.22 0.00 | 33.74 -0.22 0.00 | 29.69 -0.17 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 43.08 0.28 0.00 | 34.20 0.24 0.00 | 32.52 0.23 0.00 | 31.38 0.24 0.00 | 31.39 0.30 0.00 | 30.98 0.31 0.00 | 36.82 0.40 0.00 | 33.99 0.33 0.00 | 33.26 0.29 0.00 | 35.01 0.24 0.00 | 31.50 0.16 0.00 | 29.18 0.12 0.00 | 27.00 0.06 0.00 | 25.71 0.02 0.00 | 23.22 0.00 0.00 | 20.50 0.02 0.00 | 23.12 0.05 0.00 | 24.71 0.10 0.00 | 32.78 0.17 0.00 | 43.83 0.25 0.00 | 50.94 0.29 0.00 | 39.27 0.30 0.00 | 34.26 0.30 0.00 | 30.04 0.18 0.00 |
| MARSHVLE_115KV_TB1 80742 | 44.58 1.78 0.00 | 35.33 1.38 0.00 | 33.53 1.25 0.00 | 32.32 1.17 0.00 | 32.27 1.18 0.00 | 31.90 1.23 0.00 | 37.87 1.46 0.00 | 34.62 0.96 0.00 | 33.58 0.62 0.00 | 35.29 0.53 0.00 | 31.77 0.44 0.00 | 29.51 0.37 -0.09 | 27.22 0.28 0.00 | 25.96 0.27 0.00 | 23.50 0.28 0.00 | 21.09 0.24 -0.37 | 23.26 0.20 0.00 | 24.84 0.22 0.00 | 33.38 0.77 0.00 | 45.31 1.72 0.00 | 53.36 2.25 -0.47 | 40.67 1.67 -0.03 | 35.36 1.40 0.00 | 31.02 1.16 0.00 |
| MARSH_HILL_WT_PWR 323713 | 41.11 -1.68 0.00 | 32.35 -1.61 0.00 | 30.96 -1.33 0.00 | 29.84 -1.31 0.00 | 29.74 -1.35 0.00 | 29.37 -1.30 0.00 | 34.83 -1.59 0.00 | 32.07 -1.59 0.00 | 31.42 -1.55 0.00 | 32.76 -2.00 0.00 | 29.44 -1.89 0.00 | 25.91 -2.01 1.14 | 25.11 -1.83 0.00 | 24.21 -1.47 0.00 | 21.62 -1.60 0.00 | 14.40 -1.54 4.55 | 21.62 -1.44 0.00 | 23.23 -1.39 0.00 | 30.79 -1.83 0.00 | 41.78 -1.81 0.00 | 42.92 -1.83 5.89 | 36.95 -1.71 0.32 | 32.44 -1.53 0.00 | 28.48 -1.34 0.04 |
| MCINTYRE_115KV_TB2 80467 | 43.16 0.37 0.00 | 34.19 0.23 0.00 | 32.50 0.21 0.00 | 31.38 0.24 0.00 | 31.38 0.29 0.00 | 30.98 0.31 0.00 | 36.82 0.40 0.00 | 33.74 0.08 0.00 | 32.69 -0.28 0.00 | 34.22 -0.54 0.00 | 30.78 -0.57 0.00 | 28.50 -0.56 0.00 | 26.37 -0.57 0.00 | 25.11 -0.57 0.00 | 22.72 -0.50 0.00 | 19.98 -0.51 0.00 | 22.49 -0.57 0.00 | 24.04 -0.57 0.00 | 32.04 -0.57 0.00 | 43.34 -0.24 0.00 | 50.82 0.18 0.00 | 39.23 0.25 0.00 | 34.21 0.25 0.00 | 29.95 0.10 0.00 |
| MECO____69_KV_BK1 80468 | 44.98 2.19 0.00 | 35.66 1.71 0.00 | 33.87 1.58 0.00 | 32.65 1.50 0.00 | 32.59 1.51 0.00 | 32.21 1.54 0.00 | 38.23 1.82 0.00 | 35.05 1.39 0.00 | 33.91 0.94 0.00 | 35.16 0.39 0.00 | 31.52 0.18 0.00 | 29.22 0.16 0.00 | 27.03 0.09 0.00 | 25.76 0.07 0.00 | 23.32 0.09 0.00 | 20.59 0.10 0.00 | 23.18 0.12 0.00 | 24.92 0.31 0.00 | 33.78 1.17 0.00 | 46.00 2.42 0.00 | 53.64 3.00 0.00 | 41.18 2.20 0.00 | 35.78 1.81 0.00 | 31.38 1.52 0.00 |
| MENANDS__115KV_TB5 355628 | 43.76 0.97 0.00 | 34.85 0.89 0.00 | 33.13 0.84 0.00 | 31.97 0.82 0.00 | 31.92 0.82 0.00 | 31.44 0.77 0.00 | 37.31 0.89 0.00 | 34.54 0.88 0.00 | 33.83 0.86 0.00 | 35.60 0.84 0.00 | 32.07 0.73 0.00 | 29.80 0.74 0.00 | 27.62 0.67 0.00 | 26.28 0.60 0.00 | 23.78 0.56 0.00 | 21.03 0.54 0.00 | 23.71 0.65 0.00 | 25.39 0.77 0.00 | 33.60 0.98 0.00 | 44.83 1.25 0.00 | 52.01 1.37 0.00 | 40.06 1.08 0.00 | 34.90 0.95 0.00 | 30.73 0.87 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| MG INDUSTRY___DRP 24185 | 43.83 1.04 0.00 | 34.89 0.94 0.00 | 33.16 0.88 0.00 | 32.00 0.86 0.00 | 31.92 0.83 0.00 | 31.48 0.80 0.00 | 37.35 0.93 0.00 | 34.52 0.86 0.00 | 33.76 0.79 0.00 | 35.49 0.72 0.00 | 31.93 0.59 0.00 | 29.65 0.59 0.00 | 27.47 0.52 0.00 | 26.16 0.47 0.00 | 23.67 0.44 0.00 | 20.93 0.44 0.00 | 23.59 0.53 0.00 | 25.28 0.66 0.00 | 33.54 0.93 0.00 | 44.82 1.23 0.00 | 52.03 1.39 0.00 | 40.06 1.08 0.00 | 34.90 0.94 0.00 | 30.73 0.87 0.00 |
| MID___OSWEGATCHIE_HYD 23849 | 41.57 -1.23 0.00 | 32.92 -1.04 0.00 | 31.28 -1.01 0.00 | 30.25 -0.89 0.00 | 30.27 -0.82 0.00 | 29.87 -0.79 0.00 | 35.47 -0.95 0.00 | 32.50 -1.16 0.00 | 31.40 -1.57 0.00 | 32.87 -1.89 0.00 | 29.52 -1.82 0.00 | 27.34 -1.72 0.00 | 25.35 -1.59 0.00 | 24.15 -1.54 0.00 | 21.80 -1.42 0.00 | 19.19 -1.29 0.00 | 21.59 -1.47 0.00 | 23.08 -1.54 0.00 | 30.92 -1.69 0.00 | 41.94 -1.65 0.00 | 49.19 -1.45 0.00 | 37.78 -1.19 0.00 | 32.96 -1.00 0.00 | 28.91 -0.95 0.00 |
| MID___RAQUETTE_HYD 23851 | 41.67 -1.12 0.00 | 33.04 -0.91 0.00 | 31.41 -0.88 0.00 | 30.34 -0.81 0.00 | 30.34 -0.75 0.00 | 29.94 -0.73 0.00 | 35.60 -0.82 0.00 | 32.71 -0.95 0.00 | 31.84 -1.13 0.00 | 33.42 -1.34 0.00 | 30.05 -1.29 0.00 | 27.82 -1.23 0.00 | 25.75 -1.19 0.00 | 24.52 -1.17 0.00 | 22.17 -1.06 0.00 | 19.50 -0.98 0.00 | 21.96 -1.11 0.00 | 23.47 -1.15 0.00 | 31.29 -1.32 0.00 | 42.08 -1.51 0.00 | 49.09 -1.55 0.00 | 37.86 -1.11 0.00 | 33.03 -0.93 0.00 | 28.96 -0.90 0.00 |
| MILLIKEN___1 23584 | 42.61 -0.18 0.00 | 33.71 -0.25 0.00 | 32.05 -0.23 0.00 | 30.90 -0.24 0.00 | 30.85 -0.24 0.00 | 30.46 -0.20 0.00 | 36.19 -0.23 0.00 | 33.32 -0.34 0.00 | 32.43 -0.54 0.00 | 34.03 -0.73 0.00 | 30.55 -0.78 0.00 | 28.04 -0.77 0.25 | 26.58 -0.37 0.00 | 25.36 -0.32 0.00 | 22.89 -0.34 0.00 | 19.19 -0.30 1.00 | 22.74 -0.32 0.00 | 24.36 -0.26 0.00 | 32.51 -0.10 0.00 | 43.91 0.33 0.00 | 49.87 0.53 1.29 | 39.19 0.28 0.07 | 34.15 0.18 0.00 | 30.02 0.17 0.01 |
| MILLIKEN___2 23585 | 42.61 -0.18 0.00 | 33.71 -0.25 0.00 | 32.05 -0.23 0.00 | 30.90 -0.24 0.00 | 30.85 -0.24 0.00 | 30.46 -0.20 0.00 | 36.19 -0.23 0.00 | 33.32 -0.34 0.00 | 32.43 -0.54 0.00 | 34.03 -0.73 0.00 | 30.55 -0.78 0.00 | 28.04 -0.77 0.25 | 26.58 -0.37 0.00 | 25.36 -0.32 0.00 | 22.89 -0.34 0.00 | 19.19 -0.30 1.00 | 22.74 -0.32 0.00 | 24.36 -0.26 0.00 | 32.51 -0.10 0.00 | 43.91 0.33 0.00 | 49.87 0.53 1.29 | 39.19 0.28 0.07 | 34.15 0.18 0.00 | 30.02 0.17 0.01 |
| MILLIKEN___DIESEL 23629 | 42.61 -0.18 0.00 | 33.71 -0.25 0.00 | 32.05 -0.23 0.00 | 30.90 -0.24 0.00 | 30.85 -0.24 0.00 | 30.46 -0.20 0.00 | 36.19 -0.23 0.00 | 33.32 -0.34 0.00 | 32.43 -0.54 0.00 | 34.03 -0.73 0.00 | 30.55 -0.78 0.00 | 28.04 -0.77 0.25 | 26.58 -0.37 0.00 | 25.36 -0.32 0.00 | 22.89 -0.34 0.00 | 19.19 -0.30 1.00 | 22.74 -0.32 0.00 | 24.36 -0.26 0.00 | 32.51 -0.10 0.00 | 43.91 0.33 0.00 | 49.87 0.53 1.29 | 39.19 0.28 0.07 | 34.15 0.18 0.00 | 30.02 0.17 0.01 |
| MILLSEAT___LFGE 323607 | 40.67 -2.12 0.00 | 31.80 -2.16 0.00 | 30.35 -1.93 0.00 | 29.28 -1.86 0.00 | 29.18 -1.91 0.00 | 28.83 -1.84 0.00 | 34.32 -2.10 0.00 | 31.51 -2.15 0.00 | 30.97 -2.00 0.00 | 32.40 -2.37 0.00 | 29.43 -1.90 0.00 | 26.40 -2.03 0.63 | 25.02 -1.92 0.00 | 24.08 -1.61 0.00 | 21.70 -1.53 0.00 | 16.59 -1.38 2.52 | 21.69 -1.38 0.00 | 22.98 -1.64 0.00 | 30.02 -2.60 0.00 | 40.39 -3.19 0.00 | 44.00 -3.37 3.27 | 36.09 -2.72 0.18 | 31.80 -2.17 0.00 | 28.05 -1.79 0.02 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 44.61 1.82 0.00 | 35.51 1.56 0.00 | 33.74 1.45 0.00 | 32.46 1.32 0.00 | 32.39 1.30 0.00 | 31.96 1.29 0.00 | 37.92 1.50 0.00 | 35.28 1.62 0.00 | 34.72 1.75 0.00 | 36.74 1.97 0.00 | 33.23 1.89 0.00 | 31.01 1.87 -0.09 | 28.65 1.71 0.00 | 27.35 1.67 0.00 | 24.69 1.47 0.00 | 22.18 1.34 -0.35 | 24.56 1.50 0.00 | 26.24 1.62 0.00 | 34.60 1.98 0.00 | 45.99 2.41 0.00 | 53.80 2.71 -0.45 | 41.02 2.02 -0.02 | 35.65 1.69 0.00 | 31.40 1.54 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 44.69 1.90 0.00 | 35.57 1.61 0.00 | 33.79 1.50 0.00 | 32.52 1.37 0.00 | 32.43 1.34 0.00 | 32.01 1.34 0.00 | 37.97 1.56 0.00 | 35.34 1.68 0.00 | 34.78 1.81 0.00 | 36.78 2.02 0.00 | 33.27 1.93 0.00 | 31.05 1.91 -0.09 | 28.68 1.74 0.00 | 27.38 1.70 0.00 | 24.71 1.49 0.00 | 22.20 1.36 -0.35 | 24.58 1.52 0.00 | 26.28 1.66 0.00 | 34.65 2.04 0.00 | 46.08 2.49 0.00 | 53.89 2.80 -0.45 | 41.09 2.09 -0.02 | 35.71 1.75 0.00 | 31.44 1.58 0.00 |
| MODEL_CITY_ENERGY 24167 | 39.28 -3.51 0.00 | 30.69 -3.27 0.00 | 29.32 -2.96 0.00 | 28.30 -2.84 0.00 | 28.19 -2.90 0.00 | 27.85 -2.82 0.00 | 33.17 -3.25 0.00 | 30.44 -3.22 0.00 | 30.04 -2.93 0.00 | 31.49 -3.27 0.00 | 28.88 -2.46 0.00 | 25.87 -2.49 0.70 | 24.60 -2.34 0.00 | 23.73 -1.96 0.00 | 21.38 -1.85 0.00 | 15.99 -1.67 2.82 | 21.32 -1.74 0.00 | 22.50 -2.11 0.00 | 29.11 -3.51 0.00 | 38.74 -4.85 0.00 | 41.58 -5.40 3.65 | 34.53 -4.25 0.20 | 30.60 -3.37 0.00 | 27.07 -2.76 0.02 |
| MODERN_LFGE___ 323580 | 39.28 -3.51 0.00 | 30.69 -3.27 0.00 | 29.32 -2.96 0.00 | 28.30 -2.84 0.00 | 28.19 -2.90 0.00 | 27.85 -2.82 0.00 | 33.17 -3.25 0.00 | 30.44 -3.22 0.00 | 30.04 -2.93 0.00 | 31.49 -3.27 0.00 | 28.88 -2.46 0.00 | 25.87 -2.49 0.70 | 24.60 -2.34 0.00 | 23.73 -1.96 0.00 | 21.38 -1.85 0.00 | 15.99 -1.67 2.82 | 21.32 -1.74 0.00 | 22.50 -2.11 0.00 | 29.11 -3.51 0.00 | 38.74 -4.85 0.00 | 41.58 -5.40 3.65 | 34.53 -4.25 0.20 | 30.60 -3.37 0.00 | 27.07 -2.76 0.02 |
| MOHAWK_PAPER___DRP 24187 | 43.96 1.17 0.00 | 34.99 1.03 0.00 | 33.25 0.97 0.00 | 32.09 0.94 0.00 | 32.03 0.94 0.00 | 31.56 0.89 0.00 | 37.45 1.03 0.00 | 34.67 1.01 0.00 | 33.93 0.96 0.00 | 35.68 0.91 0.00 | 32.13 0.79 0.00 | 29.85 0.79 0.00 | 27.65 0.71 0.00 | 26.32 0.63 0.00 | 23.81 0.58 0.00 | 21.06 0.57 0.00 | 23.75 0.69 0.00 | 25.44 0.83 0.00 | 33.72 1.10 0.00 | 45.04 1.46 0.00 | 52.28 1.64 0.00 | 40.24 1.27 0.00 | 35.06 1.10 0.00 | 30.85 1.00 0.00 |
| MOHICAN_35_KV_115KV_LD 80490 | 45.12 2.32 0.00 | 35.79 1.83 0.00 | 34.04 1.75 0.00 | 32.74 1.60 0.00 | 32.70 1.61 0.00 | 32.34 1.67 0.00 | 38.35 1.93 0.00 | 35.42 1.76 0.00 | 34.49 1.52 0.00 | 36.00 1.23 0.00 | 32.18 0.85 0.00 | 29.89 0.83 0.00 | 27.67 0.73 0.00 | 26.27 0.59 0.00 | 23.71 0.49 0.00 | 21.05 0.56 0.00 | 23.86 0.80 0.00 | 25.81 1.20 0.00 | 34.48 1.86 0.00 | 46.29 2.71 0.00 | 53.75 3.11 0.00 | 41.21 2.23 0.00 | 35.86 1.90 0.00 | 31.46 1.60 0.00 |
| MONGAUP___HYD 23641 | 45.04 2.25 0.00 | 35.80 1.84 0.00 | 34.02 1.73 0.00 | 32.83 1.68 0.00 | 32.75 1.66 0.00 | 32.23 1.57 0.00 | 38.07 1.65 0.00 | 35.33 1.67 0.00 | 34.66 1.69 0.00 | 36.58 1.82 0.00 | 32.90 1.56 0.00 | 30.63 1.48 -0.10 | 28.22 1.28 0.00 | 26.94 1.26 0.00 | 24.33 1.10 0.00 | 21.89 1.02 -0.39 | 24.20 1.14 0.00 | 25.78 1.17 0.00 | 34.15 1.54 0.00 | 45.91 2.33 0.00 | 54.02 2.88 -0.50 | 41.12 2.12 -0.03 | 35.67 1.71 0.00 | 31.37 1.51 0.00 |
| MONTAUK___DIESEL 23721 | 46.05 3.26 0.00 | 37.05 3.09 0.00 | 35.29 3.00 -0.01 | 34.09 2.94 0.00 | 33.93 2.84 0.00 | 33.52 2.85 0.00 | 39.31 2.89 0.00 | 35.58 1.93 0.00 | 37.06 2.37 -1.72 | 53.77 2.61 -16.40 | 46.18 1.99 -12.85 | 41.23 1.86 -10.32 | 31.82 1.77 -3.10 | 27.25 1.57 0.00 | 24.77 1.54 0.00 | 21.93 1.45 0.00 | 25.47 2.37 -0.04 | 39.00 2.76 -11.62 | 107.69 3.40 -71.68 | 104.72 4.09 -57.04 | 96.00 5.15 -40.20 | 81.31 4.01 -38.32 | 54.83 3.30 -17.57 | 47.01 2.82 -14.33 |

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| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 41.02 -1.77 0.00 | 32.12 -1.83 0.00 | 30.70 -1.59 0.00 | 29.61 -1.53 0.00 | 29.46 -1.63 0.00 | 29.07 -1.60 0.00 | 34.53 -1.89 0.00 | 31.88 -1.78 0.00 | 31.46 -1.51 0.00 | 32.93 -1.84 0.00 | 30.11 -1.23 0.00 | 26.67 -1.50 0.88 | 25.37 -1.58 0.00 | 24.49 -1.20 0.00 | 21.96 -1.26 0.00 | 15.86 -1.10 3.53 | 22.04 -1.02 0.00 | 23.49 -1.13 0.00 | 30.65 -1.96 0.00 | 41.18 -2.40 0.00 | 43.57 -2.51 4.56 | 36.39 -2.34 0.24 | 31.98 -1.98 0.00 | 28.31 -1.52 0.03 |
| MORRIS_RIDGE___SOLAR 323848 | 40.47 -2.32 0.00 | 31.78 -2.18 0.00 | 30.37 -1.92 0.00 | 29.27 -1.88 0.00 | 29.18 -1.91 0.00 | 28.80 -1.87 0.00 | 34.20 -2.21 0.00 | 31.48 -2.17 0.00 | 30.92 -2.05 0.00 | 32.14 -2.63 0.00 | 28.96 -2.38 0.00 | 25.56 -2.42 1.08 | 24.76 -2.19 0.00 | 23.85 -1.84 0.00 | 21.36 -1.86 0.00 | 14.43 -1.72 4.34 | 21.38 -1.68 0.00 | 22.83 -1.79 0.00 | 30.17 -2.44 0.00 | 40.83 -2.76 0.00 | 42.05 -2.98 5.61 | 36.16 -2.52 0.30 | 31.85 -2.11 0.00 | 28.03 -1.79 0.04 |
| MORTIMER_115KV_TB3 55949 | 41.54 -1.25 0.00 | 32.68 -1.28 0.00 | 31.10 -1.18 0.00 | 30.00 -1.14 0.00 | 29.91 -1.18 0.00 | 29.53 -1.14 0.00 | 35.12 -1.30 0.00 | 32.32 -1.34 0.00 | 31.71 -1.26 0.00 | 33.35 -1.41 0.00 | 30.19 -1.15 0.00 | 27.41 -1.22 0.42 | 25.84 -1.11 0.00 | 24.75 -0.94 0.00 | 22.33 -0.89 0.00 | 17.98 -0.80 1.70 | 22.29 -0.77 0.00 | 23.75 -0.87 0.00 | 31.26 -1.35 0.00 | 41.92 -1.66 0.00 | 46.65 -1.79 2.20 | 37.38 -1.48 0.12 | 32.70 -1.26 0.00 | 28.75 -1.09 0.01 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 44.77 1.98 0.00 | 35.65 1.69 0.00 | 33.86 1.58 0.00 | 32.59 1.45 0.00 | 32.51 1.42 0.00 | 32.07 1.40 0.00 | 38.04 1.62 0.00 | 35.43 1.77 0.00 | 34.90 1.93 0.00 | 36.95 2.18 0.00 | 33.45 2.11 0.00 | 31.14 2.08 0.00 | 28.87 1.92 0.00 | 27.58 1.89 0.00 | 24.89 1.67 0.00 | 22.01 1.52 0.00 | 24.74 1.67 0.00 | 26.42 1.80 0.00 | 34.80 2.19 0.00 | 46.18 2.60 0.00 | 53.54 2.91 0.00 | 41.17 2.19 0.00 | 35.82 1.86 0.00 | 31.54 1.68 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 45.70 2.91 0.00 | 36.18 2.22 0.00 | 34.38 2.09 0.00 | 33.04 1.89 0.00 | 33.15 2.06 0.00 | 32.80 2.13 0.00 | 38.98 2.56 0.00 | 35.65 1.99 0.00 | 34.31 1.34 0.00 | 35.48 0.71 0.00 | 31.64 0.30 0.00 | 29.30 0.09 -0.15 | 27.24 0.29 0.00 | 26.01 0.32 0.00 | 23.42 0.19 0.00 | 21.31 0.23 -0.59 | 23.29 0.23 0.00 | 25.30 0.68 0.00 | 34.38 1.77 0.00 | 47.04 3.45 0.00 | 55.50 4.09 -0.77 | 41.71 2.69 -0.04 | 36.14 2.18 0.00 | 31.87 2.01 0.00 |
| N SALMON___HYD 24042 | 42.94 0.15 0.00 | 34.09 0.13 0.00 | 32.41 0.13 0.00 | 31.29 0.15 0.00 | 31.31 0.22 0.00 | 30.91 0.25 0.00 | 36.76 0.34 0.00 | 33.91 0.25 0.00 | 33.08 0.11 0.00 | 34.80 0.03 0.00 | 31.29 -0.05 0.00 | 28.96 -0.10 0.00 | 26.78 -0.16 0.00 | 25.51 -0.19 0.00 | 23.03 -0.19 0.00 | 20.31 -0.18 0.00 | 22.91 -0.16 0.00 | 24.50 -0.11 0.00 | 32.58 -0.03 0.00 | 43.68 0.09 0.00 | 50.85 0.21 0.00 | 39.22 0.25 0.00 | 34.19 0.23 0.00 | 29.95 0.09 0.00 |
| N.AKRON___115KV_KNAPP 355671 | 40.43 -2.36 0.00 | 31.60 -2.36 0.00 | 30.16 -2.13 0.00 | 29.11 -2.04 0.00 | 28.99 -2.10 0.00 | 28.65 -2.02 0.00 | 34.10 -2.31 0.00 | 31.30 -2.37 0.00 | 30.82 -2.15 0.00 | 32.27 -2.50 0.00 | 29.39 -1.95 0.00 | 26.35 -2.06 0.65 | 24.99 -1.96 0.00 | 24.05 -1.63 0.00 | 21.68 -1.55 0.00 | 16.49 -1.40 2.60 | 21.65 -1.41 0.00 | 22.93 -1.68 0.00 | 29.89 -2.73 0.00 | 40.07 -3.51 0.00 | 43.55 -3.72 3.37 | 35.80 -2.99 0.18 | 31.61 -2.35 0.00 | 27.87 -1.97 0.02 |
| N.E_GEN_SANDY PD 24062 | 45.27 1.60 -0.88 | 35.32 1.36 0.00 | 34.36 1.29 -0.78 | 35.81 1.25 -3.40 | 34.13 1.24 -1.80 | 34.35 1.18 -2.51 | 37.77 1.36 0.00 | 38.95 1.37 -3.91 | 34.36 1.39 0.00 | 36.22 1.46 0.00 | 32.68 1.34 0.00 | 30.40 1.34 0.00 | 28.17 1.22 0.00 | 26.78 1.09 0.00 | 24.20 0.98 0.00 | 21.41 0.93 0.00 | 24.13 1.07 0.00 | 25.80 1.18 0.00 | 34.17 1.44 -0.12 | 47.14 1.87 -1.69 | 52.75 2.11 0.00 | 42.85 1.60 -2.28 | 44.25 1.42 -8.87 | 35.28 1.30 -4.12 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 44.66 1.87 0.00 | 35.53 1.58 0.00 | 33.76 1.47 0.00 | 32.49 1.34 0.00 | 32.41 1.32 0.00 | 31.97 1.31 0.00 | 37.95 1.54 0.00 | 35.31 1.65 0.00 | 34.74 1.77 0.00 | 36.74 1.98 0.00 | 33.24 1.90 0.00 | 31.02 1.88 -0.09 | 28.65 1.70 0.00 | 27.35 1.66 0.00 | 24.69 1.47 0.00 | 22.19 1.34 -0.36 | 24.57 1.50 0.00 | 26.25 1.64 0.00 | 34.63 2.01 0.00 | 46.05 2.46 0.00 | 53.89 2.79 -0.47 | 41.05 2.05 -0.02 | 35.67 1.71 0.00 | 31.42 1.56 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 44.61 1.82 0.00 | 35.56 1.60 0.00 | 33.79 1.50 0.00 | 32.50 1.36 0.00 | 32.41 1.32 0.00 | 31.97 1.30 0.00 | 37.90 1.49 0.00 | 35.35 1.70 0.00 | 34.84 1.86 0.00 | 36.91 2.15 0.00 | 33.39 2.05 0.00 | 31.08 2.02 0.00 | 28.85 1.90 0.00 | 27.56 1.87 0.00 | 24.85 1.62 0.00 | 21.96 1.48 0.00 | 24.64 1.58 0.00 | 26.34 1.73 0.00 | 34.71 2.10 0.00 | 45.99 2.41 0.01 | 53.34 2.71 0.01 | 41.05 2.08 0.01 | 35.72 1.76 0.00 | 31.50 1.64 0.00 |
| N.TROY___115KV_TB1 355778 | 44.19 1.40 0.00 | 35.13 1.17 0.00 | 33.40 1.12 0.00 | 32.24 1.10 0.00 | 32.18 1.09 0.00 | 31.71 1.04 0.00 | 37.61 1.20 0.00 | 34.81 1.16 0.00 | 34.07 1.10 0.00 | 35.81 1.04 0.00 | 32.24 0.90 0.00 | 29.94 0.89 0.00 | 27.74 0.80 0.00 | 26.38 0.69 0.00 | 23.85 0.62 0.00 | 21.10 0.61 0.00 | 23.80 0.74 0.00 | 25.51 0.90 0.00 | 33.81 1.20 0.00 | 45.22 1.63 0.00 | 52.50 1.86 0.00 | 40.37 1.39 0.00 | 35.19 1.23 0.00 | 30.96 1.10 0.00 |
| NARROWS_GT1_1 24228 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT1_2 24229 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT1_3 24230 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT1_4 24231 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |

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| NARROWS_GT1_5 24232 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT1_6 24233 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT1_7 24234 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT1_8 24235 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_1 24236 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_2 24237 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_3 24238 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_4 24239 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_5 24240 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_6 24241 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_7 24242 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NARROWS_GT2_8 24243 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 44.47 1.68 0.00 | 35.39 1.43 0.00 | 33.64 1.35 0.00 | 32.45 1.31 0.00 | 32.38 1.29 0.00 | 31.93 1.26 0.00 | 37.91 1.50 0.00 | 35.07 1.41 0.00 | 34.27 1.29 0.00 | 35.82 1.06 0.00 | 32.17 0.83 0.00 | 29.84 0.78 0.00 | 27.64 0.69 0.00 | 26.30 0.61 0.00 | 23.80 0.57 0.00 | 21.06 0.58 0.00 | 23.78 0.71 0.00 | 25.53 0.91 0.00 | 33.93 1.32 0.00 | 45.54 1.95 0.00 | 53.01 2.37 0.00 | 40.78 1.80 0.00 | 35.46 1.50 0.00 | 31.17 1.31 0.00 |
| NCHELSEA_115KV_TR2 355582 | 44.96 2.17 0.00 | 35.76 1.81 0.00 | 33.97 1.68 0.00 | 32.69 1.55 0.00 | 32.61 1.52 0.00 | 32.19 1.53 0.00 | 38.21 1.79 0.00 | 35.52 1.86 0.00 | 34.95 1.97 0.00 | 36.91 2.15 0.00 | 33.32 1.98 0.00 | 30.96 1.91 0.00 | 28.67 1.72 0.00 | 27.33 1.65 0.00 | 24.67 1.45 0.00 | 21.82 1.34 0.00 | 24.60 1.54 0.00 | 26.35 1.74 0.00 | 34.81 2.19 0.00 | 46.32 2.74 0.00 | 53.77 3.13 0.00 | 41.29 2.31 0.00 | 35.88 1.92 0.00 | 31.55 1.69 0.00 |
| NEG CAPITAL__MECHNVIL 23645 | 44.72 1.93 0.00 | 35.51 1.55 0.00 | 33.75 1.47 0.00 | 32.56 1.42 0.00 | 32.50 1.41 0.00 | 32.05 1.39 0.00 | 38.03 1.61 0.00 | 35.17 1.51 0.00 | 34.34 1.37 0.00 | 35.98 1.22 0.00 | 32.31 0.97 0.00 | 30.00 0.94 0.00 | 27.78 0.84 0.00 | 26.43 0.74 0.00 | 23.89 0.67 0.00 | 21.16 0.67 0.00 | 23.92 0.85 0.00 | 25.74 1.13 0.00 | 34.24 1.63 0.00 | 45.87 2.28 0.00 | 53.26 2.62 0.00 | 40.90 1.92 0.00 | 35.60 1.64 0.00 | 31.28 1.42 0.00 |

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| NEG CENTRAL_HIGH_ACRES 23767 | 41.05 -1.74 0.00 | 32.33 -1.63 0.00 | 30.76 -1.52 0.00 | 29.66 -1.49 0.00 | 29.57 -1.52 0.00 | 29.19 -1.48 0.00 | 34.69 -1.73 0.00 | 31.96 -1.70 0.00 | 31.28 -1.69 0.00 | 32.90 -1.86 0.00 | 29.74 -1.60 0.00 | 27.05 -1.65 0.36 | 25.48 -1.46 0.00 | 24.37 -1.31 0.00 | 21.99 -1.24 0.00 | 17.96 -1.09 1.43 | 21.94 -1.12 0.00 | 23.41 -1.20 0.00 | 30.92 -1.70 0.00 | 41.46 -2.13 0.00 | 46.41 -2.38 1.85 | 36.95 -1.93 0.10 | 32.28 -1.68 0.00 | 28.37 -1.48 0.01 |
| NEG CENTRAL___DRP 24199 | 42.03 -0.76 0.00 | 33.19 -0.76 0.00 | 31.59 -0.69 0.00 | 30.47 -0.67 0.00 | 30.39 -0.70 0.00 | 30.00 -0.66 0.00 | 35.64 -0.77 0.00 | 32.84 -0.81 0.00 | 32.04 -0.93 0.00 | 33.60 -1.16 0.00 | 30.26 -1.08 0.00 | 27.56 -1.11 0.39 | 26.09 -0.85 0.00 | 24.94 -0.75 0.00 | 22.47 -0.76 0.00 | 18.24 -0.67 1.57 | 22.37 -0.69 0.00 | 23.98 -0.63 0.00 | 31.81 -0.80 0.00 | 42.87 -0.72 0.00 | 47.88 -0.72 2.03 | 38.19 -0.67 0.11 | 33.33 -0.63 0.00 | 29.29 -0.55 0.01 |
| NEG CENTRAL___INDECK 23768 | 42.47 -0.32 0.00 | 33.37 -0.59 0.00 | 31.81 -0.48 0.00 | 30.67 -0.47 0.00 | 30.58 -0.51 0.00 | 30.19 -0.47 0.00 | 35.91 -0.51 0.00 | 32.97 -0.69 0.00 | 32.34 -0.63 0.00 | 33.81 -0.96 0.00 | 30.40 -0.94 0.00 | 26.88 -1.32 0.85 | 25.73 -1.21 0.00 | 24.73 -0.95 0.00 | 22.21 -1.01 0.00 | 16.13 -0.94 3.41 | 22.28 -0.78 0.00 | 23.78 -0.84 0.00 | 31.54 -1.07 0.00 | 42.99 -0.59 0.00 | 45.86 -0.37 4.42 | 38.28 -0.45 0.24 | 33.54 -0.42 0.00 | 29.42 -0.41 0.03 |
| NEG CENTRAL___SENECA 23627 | 42.01 -0.79 0.00 | 33.12 -0.84 0.00 | 31.54 -0.75 0.00 | 30.41 -0.74 0.00 | 30.31 -0.78 0.00 | 29.94 -0.73 0.00 | 35.57 -0.85 0.00 | 32.77 -0.89 0.00 | 31.96 -1.01 0.00 | 33.40 -1.37 0.00 | 30.09 -1.25 0.00 | 27.18 -1.31 0.57 | 25.90 -1.05 0.00 | 24.78 -0.90 0.00 | 22.29 -0.93 0.00 | 17.36 -0.85 2.28 | 22.22 -0.84 0.00 | 23.90 -0.72 0.00 | 31.69 -0.92 0.00 | 42.80 -0.79 0.00 | 46.88 -0.81 2.95 | 38.02 -0.80 0.16 | 33.23 -0.73 0.00 | 29.20 -0.63 0.02 |
| NEG CENTRAL___STATE_STREET 24147 | 42.21 -0.58 0.00 | 33.41 -0.55 0.00 | 31.78 -0.51 0.00 | 30.64 -0.50 0.00 | 30.57 -0.52 0.00 | 30.18 -0.49 0.00 | 35.84 -0.57 0.00 | 33.03 -0.63 0.00 | 32.24 -0.73 0.00 | 33.93 -0.84 0.00 | 30.53 -0.81 0.00 | 28.00 -0.83 0.22 | 26.39 -0.56 0.00 | 25.18 -0.51 0.00 | 22.73 -0.50 0.00 | 19.16 -0.44 0.89 | 22.59 -0.48 0.00 | 24.16 -0.45 0.00 | 32.10 -0.51 0.00 | 43.18 -0.40 0.00 | 49.13 -0.36 1.15 | 38.54 -0.38 0.06 | 33.60 -0.36 0.00 | 29.54 -0.31 0.01 |
| NEG MILLWOOD___DRP 24198 | 44.99 2.20 0.00 | 35.78 1.83 0.00 | 33.98 1.69 0.00 | 32.70 1.56 0.00 | 32.63 1.54 0.00 | 32.20 1.53 0.00 | 38.22 1.80 0.00 | 35.55 1.89 0.00 | 34.99 2.01 0.00 | 36.98 2.22 0.00 | 33.40 2.07 0.00 | 31.08 2.02 0.00 | 28.77 1.82 0.00 | 27.43 1.74 0.00 | 24.76 1.53 0.00 | 21.89 1.41 0.00 | 24.67 1.60 0.00 | 26.41 1.80 0.00 | 34.86 2.24 0.00 | 46.38 2.79 0.00 | 53.82 3.18 0.00 | 41.32 2.35 0.00 | 35.92 1.96 0.00 | 31.58 1.73 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 43.50 0.70 0.00 | 34.54 0.58 0.00 | 32.85 0.57 0.00 | 31.69 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.76 0.00 | 34.35 0.69 0.00 | 33.59 0.62 0.00 | 35.31 0.55 0.00 | 31.77 0.43 0.00 | 29.45 0.39 0.00 | 27.25 0.30 0.00 | 25.92 0.24 0.00 | 23.40 0.18 0.00 | 20.70 0.22 0.00 | 23.37 0.31 0.00 | 25.00 0.38 0.00 | 33.14 0.53 0.00 | 44.35 0.76 0.00 | 51.51 0.88 0.00 | 39.71 0.73 0.00 | 34.65 0.69 0.00 | 30.35 0.49 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 43.12 0.33 0.00 | 34.24 0.28 0.00 | 32.56 0.27 0.00 | 31.43 0.28 0.00 | 31.44 0.35 0.00 | 31.02 0.35 0.00 | 36.88 0.46 0.00 | 34.02 0.36 0.00 | 33.28 0.31 0.00 | 35.01 0.25 0.00 | 31.52 0.18 0.00 | 29.19 0.14 0.00 | 27.00 0.06 0.00 | 25.71 0.02 0.00 | 23.22 0.00 0.00 | 20.50 0.02 0.00 | 23.12 0.05 0.00 | 24.71 0.09 0.00 | 32.79 0.17 0.00 | 43.87 0.29 0.00 | 51.03 0.40 0.00 | 39.35 0.38 0.00 | 34.33 0.37 0.00 | 30.09 0.23 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 43.49 0.70 0.00 | 34.53 0.58 0.00 | 32.83 0.55 0.00 | 31.68 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.77 0.00 | 34.32 0.66 0.00 | 33.51 0.54 0.00 | 35.23 0.47 0.00 | 31.69 0.35 0.00 | 29.37 0.31 0.00 | 27.17 0.22 0.00 | 25.85 0.17 0.00 | 23.34 0.12 0.00 | 20.65 0.16 0.00 | 23.30 0.23 0.00 | 24.92 0.30 0.00 | 33.08 0.47 0.00 | 44.35 0.77 0.00 | 51.55 0.92 0.00 | 39.75 0.77 0.00 | 34.67 0.71 0.00 | 30.36 0.50 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 43.49 0.70 0.00 | 34.53 0.58 0.00 | 32.83 0.55 0.00 | 31.68 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.77 0.00 | 34.32 0.66 0.00 | 33.51 0.54 0.00 | 35.23 0.47 0.00 | 31.69 0.35 0.00 | 29.37 0.31 0.00 | 27.17 0.22 0.00 | 25.85 0.17 0.00 | 23.34 0.12 0.00 | 20.65 0.16 0.00 | 23.30 0.23 0.00 | 24.92 0.30 0.00 | 33.08 0.47 0.00 | 44.35 0.77 0.00 | 51.55 0.92 0.00 | 39.75 0.77 0.00 | 34.67 0.71 0.00 | 30.36 0.50 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 43.49 0.70 0.00 | 34.53 0.57 0.00 | 32.83 0.55 0.00 | 31.68 0.54 0.00 | 31.70 0.61 0.00 | 31.29 0.62 0.00 | 37.18 0.77 0.00 | 34.32 0.66 0.00 | 33.51 0.54 0.00 | 35.24 0.47 0.00 | 31.69 0.35 0.00 | 29.37 0.31 0.00 | 27.16 0.22 0.00 | 25.86 0.17 0.00 | 23.34 0.12 0.00 | 20.65 0.16 0.00 | 23.30 0.23 0.00 | 24.92 0.30 0.00 | 33.08 0.47 0.00 | 44.36 0.77 0.00 | 51.55 0.92 0.00 | 39.75 0.77 0.00 | 34.67 0.71 0.00 | 30.36 0.50 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 39.70 -3.09 0.00 | 31.02 -2.93 0.00 | 29.62 -2.67 0.00 | 28.59 -2.55 0.00 | 28.47 -2.62 0.00 | 28.13 -2.54 0.00 | 33.49 -2.93 0.00 | 30.74 -2.92 0.00 | 30.35 -2.62 0.00 | 31.82 -2.95 0.00 | 29.11 -2.22 0.00 | 26.08 -2.28 0.69 | 24.77 -2.17 0.00 | 23.88 -1.81 0.00 | 21.51 -1.71 0.00 | 16.16 -1.55 2.77 | 21.47 -1.59 0.00 | 22.69 -1.92 0.00 | 29.44 -3.18 0.00 | 39.27 -4.31 0.00 | 42.34 -4.72 3.58 | 35.04 -3.74 0.19 | 31.00 -2.96 0.00 | 27.37 -2.46 0.02 |
| NEG WEST___LANCASTR 23811 | 39.87 -2.92 0.00 | 31.20 -2.76 0.00 | 29.78 -2.51 0.00 | 28.71 -2.43 0.00 | 28.58 -2.51 0.00 | 28.21 -2.46 0.00 | 33.57 -2.84 0.00 | 30.94 -2.72 0.00 | 30.53 -2.44 0.00 | 32.04 -2.72 0.00 | 29.24 -2.10 0.00 | 26.01 -2.17 0.87 | 24.89 -2.06 0.00 | 24.00 -1.69 0.00 | 21.56 -1.67 0.00 | 15.48 -1.50 3.51 | 21.54 -1.53 0.00 | 22.89 -1.73 0.00 | 29.78 -2.83 0.00 | 39.85 -3.73 0.00 | 41.98 -4.12 4.54 | 35.36 -3.37 0.24 | 31.19 -2.77 0.00 | 27.51 -2.32 0.03 |
| NEG_PENN_ALLEGHNY 23528 | 41.96 -0.83 0.00 | 33.19 -0.77 0.00 | 31.56 -0.72 0.00 | 30.43 -0.71 0.00 | 30.36 -0.73 0.00 | 29.96 -0.70 0.00 | 35.58 -0.84 0.00 | 32.84 -0.82 0.00 | 32.12 -0.85 0.00 | 33.75 -1.02 0.00 | 30.39 -0.94 0.00 | 28.93 -0.90 -0.77 | 26.80 -0.14 0.00 | 25.59 -0.10 0.00 | 23.10 -0.12 0.00 | 23.50 -0.09 -3.11 | 22.99 -0.07 0.00 | 24.61 -0.01 0.00 | 32.61 -0.01 0.00 | 43.68 0.09 0.00 | 54.80 0.14 -4.02 | 39.19 0.00 -0.22 | 33.91 -0.05 0.00 | 29.86 -0.02 -0.03 |
| NEG___GEN_MONROE 24207 | 41.62 -1.17 0.00 | 32.72 -1.24 0.00 | 31.15 -1.14 0.00 | 30.05 -1.09 0.00 | 29.94 -1.15 0.00 | 29.58 -1.09 0.00 | 35.18 -1.24 0.00 | 32.36 -1.30 0.00 | 31.73 -1.24 0.00 | 33.28 -1.49 0.00 | 30.11 -1.22 0.00 | 27.31 -1.31 0.44 | 25.75 -1.19 0.00 | 24.68 -1.01 0.00 | 22.26 -0.97 0.00 | 17.88 -0.86 1.75 | 22.26 -0.80 0.00 | 23.66 -0.96 0.00 | 31.15 -1.47 0.00 | 41.90 -1.68 0.00 | 46.65 -1.73 2.26 | 37.42 -1.44 0.12 | 32.76 -1.20 0.00 | 28.80 -1.05 0.02 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| NEPA__ENERGY 23901 | 40.33 -2.46 0.00 | 31.62 -2.34 0.00 | 30.18 -2.11 0.00 | 29.08 -2.06 0.00 | 28.92 -2.17 0.00 | 28.53 -2.14 0.00 | 33.90 -2.52 0.00 | 31.37 -2.29 0.00 | 30.95 -2.02 0.00 | 32.42 -2.35 0.00 | 29.70 -1.64 0.00 | 26.45 -1.72 0.89 | 25.34 -1.60 0.00 | 24.47 -1.22 0.00 | 21.88 -1.35 0.00 | 15.70 -1.22 3.56 | 21.89 -1.17 0.00 | 23.38 -1.24 0.00 | 30.44 -2.18 0.00 | 40.77 -2.81 0.00 | 42.87 -3.16 4.61 | 35.97 -2.76 0.25 | 31.72 -2.24 0.00 | 28.03 -1.80 0.03 |
| NEVERSINK__HYD 23608 | 44.69 1.90 0.00 | 35.54 1.58 0.00 | 33.74 1.46 0.00 | 32.48 1.34 0.00 | 32.40 1.31 0.00 | 31.98 1.31 0.00 | 37.96 1.55 0.00 | 35.26 1.60 0.00 | 34.64 1.67 0.00 | 36.55 1.78 0.00 | 32.84 1.50 0.00 | 30.59 1.42 -0.11 | 28.12 1.18 0.00 | 26.83 1.14 0.00 | 24.23 1.00 0.00 | 21.87 0.95 -0.44 | 24.14 1.08 0.00 | 25.93 1.31 0.00 | 34.38 1.77 0.00 | 45.89 2.30 0.00 | 53.91 2.70 -0.57 | 40.96 1.96 -0.03 | 35.51 1.55 0.00 | 31.21 1.35 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 43.52 0.73 0.00 | 34.71 0.75 0.00 | 32.99 0.70 0.00 | 31.82 0.67 0.00 | 31.76 0.67 0.00 | 31.31 0.64 0.00 | 37.14 0.73 0.00 | 34.39 0.73 0.00 | 33.66 0.69 0.00 | 35.42 0.65 0.00 | 31.90 0.56 0.00 | 29.64 0.58 0.00 | 27.48 0.53 0.00 | 26.15 0.46 0.00 | 23.67 0.44 0.00 | 20.94 0.45 0.00 | 23.62 0.55 0.00 | 25.30 0.69 0.00 | 33.48 0.86 0.00 | 44.63 1.05 0.00 | 51.79 1.15 0.00 | 39.90 0.92 0.00 | 34.75 0.79 0.00 | 30.60 0.74 0.00 |
| NEWTON__FALLS_HYD 23847 | 41.57 -1.23 0.00 | 32.92 -1.04 0.00 | 31.28 -1.01 0.00 | 30.25 -0.89 0.00 | 30.27 -0.82 0.00 | 29.87 -0.79 0.00 | 35.47 -0.95 0.00 | 32.50 -1.16 0.00 | 31.40 -1.57 0.00 | 32.87 -1.89 0.00 | 29.52 -1.82 0.00 | 27.34 -1.72 0.00 | 25.35 -1.59 0.00 | 24.15 -1.54 0.00 | 21.80 -1.42 0.00 | 19.19 -1.29 0.00 | 21.59 -1.47 0.00 | 23.08 -1.54 0.00 | 30.92 -1.69 0.00 | 41.94 -1.65 0.00 | 49.19 -1.45 0.00 | 37.78 -1.19 0.00 | 32.96 -1.00 0.00 | 28.91 -0.95 0.00 |
| NGRID_A1_DSASP 323792 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| NGRID_A2_DSASP 323793 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| NGRID_A4_DSASP 323807 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| NIAGARA_115E_LBMP 323715 | 39.03 -3.76 0.00 | 30.49 -3.47 0.00 | 29.14 -3.15 0.00 | 28.13 -3.02 0.00 | 28.02 -3.07 0.00 | 27.67 -3.00 0.00 | 32.96 -3.46 0.00 | 30.24 -3.42 0.00 | 29.86 -3.11 0.00 | 31.32 -3.44 0.00 | 28.75 -2.58 0.00 | 25.74 -2.60 0.72 | 24.51 -2.44 0.00 | 23.64 -2.05 0.00 | 21.30 -1.92 0.00 | 15.87 -1.74 2.87 | 21.24 -1.82 0.00 | 22.40 -2.22 0.00 | 28.93 -3.68 0.00 | 38.43 -5.15 0.00 | 41.15 -5.77 3.72 | 34.25 -4.52 0.20 | 30.38 -3.58 0.00 | 26.90 -2.93 0.03 |
| NIAGARA_115W_LBMP 323714 | 39.15 -3.64 0.00 | 30.54 -3.42 0.00 | 29.19 -3.10 0.00 | 28.18 -2.96 0.00 | 28.06 -3.03 0.00 | 27.70 -2.97 0.00 | 33.00 -3.41 0.00 | 30.30 -3.36 0.00 | 29.93 -3.04 0.00 | 31.42 -3.35 0.00 | 28.92 -2.42 0.00 | 25.90 -2.44 0.72 | 24.60 -2.34 0.00 | 23.74 -1.95 0.00 | 21.40 -1.82 0.00 | 15.93 -1.66 2.89 | 21.35 -1.71 0.00 | 22.48 -2.14 0.00 | 29.02 -3.59 0.00 | 38.73 -4.86 0.00 | 41.44 -5.45 3.74 | 34.49 -4.29 0.20 | 30.47 -3.49 0.00 | 26.92 -2.92 0.03 |
| NIAGARA_230_LBMP 323716 | 39.46 -3.33 0.00 | 30.83 -3.13 0.00 | 29.44 -2.85 0.00 | 28.41 -2.73 0.00 | 28.30 -2.79 0.00 | 27.93 -2.73 0.00 | 33.27 -3.15 0.00 | 30.57 -3.09 0.00 | 30.17 -2.80 0.00 | 31.68 -3.09 0.00 | 29.03 -2.31 0.00 | 25.98 -2.37 0.71 | 24.69 -2.26 0.00 | 23.81 -1.88 0.00 | 21.46 -1.76 0.00 | 16.02 -1.61 2.85 | 21.41 -1.65 0.00 | 22.62 -1.99 0.00 | 29.32 -3.30 0.00 | 39.10 -4.49 0.00 | 41.90 -5.05 3.69 | 34.82 -3.96 0.20 | 30.74 -3.22 0.00 | 27.16 -2.67 0.03 |
| NIAGARA__115KV_198_GIBSON 55903 | 39.15 -3.64 0.00 | 30.55 -3.41 0.00 | 29.18 -3.11 0.00 | 28.18 -2.97 0.00 | 28.05 -3.04 0.00 | 27.70 -2.97 0.00 | 33.00 -3.42 0.00 | 30.28 -3.38 0.00 | 29.94 -3.03 0.00 | 31.42 -3.35 0.00 | 28.92 -2.42 0.00 | 25.91 -2.43 0.72 | 24.61 -2.34 0.00 | 23.74 -1.95 0.00 | 21.40 -1.82 0.00 | 15.94 -1.65 2.89 | 21.36 -1.70 0.00 | 22.48 -2.14 0.00 | 29.03 -3.58 0.00 | 38.73 -4.86 0.00 | 41.48 -5.42 3.74 | 34.51 -4.26 0.20 | 30.51 -3.45 0.00 | 26.93 -2.90 0.03 |
| NIAGARA__ 23760 | 39.46 -3.33 0.00 | 30.83 -3.13 0.00 | 29.44 -2.85 0.00 | 28.41 -2.73 0.00 | 28.30 -2.79 0.00 | 27.93 -2.73 0.00 | 33.27 -3.15 0.00 | 30.57 -3.09 0.00 | 30.17 -2.80 0.00 | 31.68 -3.09 0.00 | 29.03 -2.31 0.00 | 25.97 -2.37 0.71 | 24.69 -2.26 0.00 | 23.81 -1.88 0.00 | 21.46 -1.76 0.00 | 16.01 -1.61 2.86 | 21.41 -1.65 0.00 | 22.62 -1.99 0.00 | 29.32 -3.30 0.00 | 39.10 -4.49 0.00 | 41.89 -5.05 3.70 | 34.82 -3.96 0.20 | 30.74 -3.22 0.00 | 27.16 -2.67 0.03 |
| NINE_MILE_1 23575 | 41.15 -1.64 0.00 | 32.62 -1.34 0.00 | 31.02 -1.27 0.00 | 29.93 -1.22 0.00 | 29.87 -1.22 0.00 | 29.47 -1.20 0.00 | 34.99 -1.43 0.00 | 32.31 -1.35 0.00 | 31.65 -1.32 0.00 | 33.46 -1.30 0.00 | 30.18 -1.16 0.00 | 27.96 -1.10 0.00 | 26.02 -0.93 0.00 | 24.82 -0.87 0.00 | 22.43 -0.79 0.00 | 19.79 -0.69 0.00 | 22.26 -0.80 0.00 | 23.72 -0.90 0.00 | 31.35 -1.27 0.00 | 41.93 -1.66 0.00 | 48.74 -1.90 0.00 | 37.49 -1.48 0.00 | 32.65 -1.31 0.00 | 28.72 -1.14 0.00 |
| NINE_MILE_2 23744 | 41.16 -1.64 0.00 | 32.62 -1.34 0.00 | 31.03 -1.26 0.00 | 29.93 -1.22 0.00 | 29.87 -1.22 0.00 | 29.47 -1.20 0.00 | 34.99 -1.43 0.00 | 32.32 -1.34 0.00 | 31.65 -1.32 0.00 | 33.47 -1.29 0.00 | 30.18 -1.16 0.00 | 27.96 -1.09 0.00 | 26.02 -0.92 0.00 | 24.82 -0.87 0.00 | 22.43 -0.79 0.00 | 19.80 -0.69 0.00 | 22.26 -0.80 0.00 | 23.72 -0.90 0.00 | 31.35 -1.27 0.00 | 41.93 -1.66 0.00 | 48.74 -1.90 0.00 | 37.50 -1.48 0.00 | 32.65 -1.31 0.00 | 28.72 -1.14 0.00 |
| NM_CAPITAL__DRP 24208 | 43.65 0.86 0.00 | 34.78 0.82 0.00 | 33.07 0.78 0.00 | 31.90 0.76 0.00 | 31.84 0.75 0.00 | 31.38 0.71 0.00 | 37.23 0.81 0.00 | 34.47 0.81 0.00 | 33.76 0.79 0.00 | 35.53 0.77 0.00 | 32.01 0.67 0.00 | 29.74 0.68 0.00 | 27.57 0.62 0.00 | 26.24 0.55 0.00 | 23.74 0.51 0.00 | 21.00 0.51 0.00 | 23.67 0.61 0.00 | 25.34 0.73 0.00 | 33.52 0.91 0.00 | 44.73 1.14 0.00 | 51.89 1.26 0.00 | 39.97 0.99 0.00 | 34.83 0.87 0.00 | 30.66 0.81 0.00 |

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| NM_CENTRAL__DRP 24181 | 41.85 -0.94 0.00 | 33.13 -0.83 0.00 | 31.51 -0.77 0.00 | 30.40 -0.74 0.00 | 30.33 -0.75 0.00 | 29.93 -0.73 0.00 | 35.55 -0.87 0.00 | 32.82 -0.84 0.00 | 32.13 -0.84 0.00 | 33.92 -0.84 0.00 | 30.57 -0.76 0.00 | 28.31 -0.75 0.00 | 26.41 -0.54 0.00 | 25.19 -0.49 0.00 | 22.77 -0.45 0.00 | 20.09 -0.40 0.00 | 22.62 -0.44 0.00 | 24.15 -0.47 0.00 | 31.98 -0.64 0.00 | 42.81 -0.78 0.00 | 49.77 -0.87 0.00 | 38.25 -0.72 0.00 | 33.30 -0.66 0.00 | 29.27 -0.59 0.00 |
| NM_FRONTIER__DRP 24179 | 39.15 -3.64 0.00 | 30.55 -3.41 0.00 | 29.18 -3.11 0.00 | 28.18 -2.97 0.00 | 28.05 -3.04 0.00 | 27.70 -2.97 0.00 | 33.00 -3.42 0.00 | 30.28 -3.38 0.00 | 29.94 -3.03 0.00 | 31.42 -3.35 0.00 | 28.92 -2.42 0.00 | 25.91 -2.43 0.72 | 24.61 -2.34 0.00 | 23.74 -1.95 0.00 | 21.40 -1.82 0.00 | 15.94 -1.65 2.89 | 21.36 -1.70 0.00 | 22.48 -2.14 0.00 | 29.03 -3.58 0.00 | 38.73 -4.86 0.00 | 41.48 -5.42 3.74 | 34.51 -4.26 0.20 | 30.51 -3.45 0.00 | 26.93 -2.90 0.03 |
| NM_ST_REGIS__HYD 24053 | 42.04 -0.75 0.00 | 33.34 -0.62 0.00 | 31.68 -0.60 0.00 | 30.61 -0.54 0.00 | 30.62 -0.47 0.00 | 30.21 -0.45 0.00 | 35.93 -0.49 0.00 | 33.05 -0.61 0.00 | 32.17 -0.80 0.00 | 33.80 -0.97 0.00 | 30.39 -0.95 0.00 | 28.13 -0.92 0.00 | 26.03 -0.91 0.00 | 24.78 -0.91 0.00 | 22.40 -0.82 0.00 | 19.72 -0.76 0.00 | 22.21 -0.85 0.00 | 23.75 -0.87 0.00 | 31.64 -0.97 0.00 | 42.52 -1.06 0.00 | 49.60 -1.04 0.00 | 38.26 -0.71 0.00 | 33.37 -0.59 0.00 | 29.23 -0.63 0.00 |
| NORTHPORT__1 23551 | 44.61 1.82 0.00 | 35.84 1.88 0.00 | 34.07 1.77 -0.01 | 32.82 1.68 0.00 | 32.69 1.60 0.00 | 32.29 1.62 0.00 | 38.09 1.67 0.00 | 35.03 1.37 0.00 | 36.47 1.80 -1.70 | 53.16 2.20 -16.19 | 46.13 2.11 -12.69 | 42.03 2.14 -10.83 | 32.01 2.01 -3.06 | 27.41 1.73 0.00 | 24.76 1.53 0.00 | 21.87 1.39 0.00 | 24.79 1.69 -0.04 | 26.34 1.79 0.05 | 18.04 2.22 16.79 | 18.04 2.52 28.06 | 16.84 2.85 36.64 | 18.77 2.17 22.38 | 20.03 1.85 15.78 | 45.84 1.82 -14.16 |
| NORTHPORT__2 23552 | 44.61 1.82 0.00 | 35.84 1.88 0.00 | 34.07 1.77 -0.01 | 32.82 1.68 0.00 | 32.69 1.60 0.00 | 32.29 1.62 0.00 | 38.09 1.67 0.00 | 35.03 1.37 0.00 | 36.47 1.80 -1.70 | 53.16 2.20 -16.19 | 46.13 2.11 -12.69 | 42.03 2.14 -10.83 | 32.01 2.01 -3.06 | 27.41 1.73 0.00 | 24.76 1.53 0.00 | 21.87 1.39 0.00 | 24.79 1.69 -0.04 | 26.34 1.79 0.05 | 18.04 2.22 16.79 | 18.04 2.52 28.06 | 16.84 2.85 36.64 | 18.77 2.17 22.38 | 20.03 1.85 15.78 | 45.84 1.82 -14.16 |
| NORTHPORT__3 23553 | 44.61 1.82 0.00 | 35.83 1.87 0.00 | 34.06 1.77 -0.01 | 32.81 1.67 0.00 | 32.68 1.59 0.00 | 32.28 1.61 0.00 | 38.08 1.67 0.00 | 35.03 1.37 0.00 | 36.46 1.78 -1.71 | 53.23 2.20 -16.26 | 46.19 2.12 -12.74 | 42.08 2.15 -10.87 | 32.04 2.02 -3.08 | 27.43 1.75 0.00 | 24.77 1.54 0.00 | 21.88 1.40 0.00 | 24.79 1.69 -0.04 | 30.39 1.79 -3.99 | 48.64 2.51 -13.83 | 47.49 2.51 -1.40 | 43.40 2.80 10.04 | 39.75 2.13 1.36 | 31.58 1.85 4.23 | 45.89 1.82 -14.21 |
| NORTHPORT__4 23650 | 44.61 1.82 0.00 | 35.83 1.87 0.00 | 34.06 1.77 -0.01 | 32.81 1.67 0.00 | 32.68 1.59 0.00 | 32.28 1.61 0.00 | 38.08 1.67 0.00 | 35.03 1.37 0.00 | 36.46 1.78 -1.71 | 53.23 2.20 -16.26 | 46.19 2.12 -12.74 | 42.08 2.15 -10.87 | 32.04 2.02 -3.08 | 27.43 1.75 0.00 | 24.77 1.54 0.00 | 21.88 1.40 0.00 | 24.79 1.69 -0.04 | 30.39 1.79 -3.99 | 48.64 2.51 -13.83 | 47.49 2.51 -1.40 | 43.40 2.80 10.04 | 39.75 2.13 1.36 | 31.58 1.85 4.23 | 45.89 1.82 -14.21 |
| NORTHPORT__IC 23718 | 44.61 1.82 0.00 | 35.84 1.89 0.00 | 34.07 1.78 -0.01 | 32.82 1.67 0.00 | 32.69 1.61 0.00 | 32.29 1.63 0.00 | 38.09 1.67 0.00 | 35.04 1.39 0.00 | 36.47 1.79 -1.70 | 53.16 2.20 -16.19 | 46.13 2.10 -12.69 | 42.03 2.14 -10.83 | 32.01 2.01 -3.06 | 27.41 1.73 0.00 | 24.75 1.53 0.00 | 21.87 1.39 0.00 | 24.79 1.69 -0.04 | 26.34 1.78 0.05 | 18.03 2.21 16.79 | 18.03 2.51 28.06 | 16.83 2.84 36.64 | 18.77 2.17 22.38 | 20.03 1.85 15.78 | 45.84 1.82 -14.16 |
| NORTH__COUNTRY_ESR 323785 | 43.06 0.27 0.00 | 34.19 0.23 0.00 | 32.51 0.23 0.00 | 31.38 0.24 0.00 | 31.40 0.31 0.00 | 30.98 0.31 0.00 | 36.83 0.41 0.00 | 34.00 0.34 0.00 | 33.27 0.30 0.00 | 35.01 0.25 0.00 | 31.52 0.18 0.00 | 29.19 0.14 0.00 | 27.00 0.06 0.00 | 25.71 0.02 0.00 | 23.22 0.00 0.00 | 20.50 0.02 0.00 | 23.12 0.05 0.00 | 24.71 0.09 0.00 | 32.79 0.17 0.00 | 43.83 0.25 0.00 | 50.94 0.30 0.00 | 39.28 0.31 0.00 | 34.28 0.31 0.00 | 30.04 0.18 0.00 |
| NPX_GEN_1385_PROXY 323591 | 44.61 1.82 0.00 | 35.84 1.88 0.00 | 34.07 1.77 -0.01 | 32.82 1.68 0.00 | 32.69 1.60 0.00 | 32.29 1.62 0.00 | 38.09 1.67 0.00 | 35.03 1.37 0.00 | 36.47 1.80 -1.70 | 53.16 2.20 -16.19 | 46.13 2.11 -12.69 | 42.03 2.14 -10.83 | 32.01 2.01 -3.06 | 27.41 1.73 0.00 | 24.76 1.53 0.00 | 21.85 1.39 0.02 | 24.79 1.69 -0.04 | 26.34 1.79 0.05 | 18.04 2.22 16.79 | 18.04 2.52 28.06 | 16.84 2.85 36.64 | 18.77 2.17 22.38 | 20.03 1.85 15.78 | 45.84 1.82 -14.16 |
| NPX_GEN_CSC 323557 | 44.74 1.95 0.00 | 36.06 2.11 0.00 | 34.37 2.08 -0.01 | 33.22 2.08 0.00 | 33.05 1.96 0.00 | 32.66 2.00 0.00 | 38.49 2.08 0.00 | 34.96 1.30 0.00 | 36.61 1.92 -1.72 | 53.39 2.23 -16.39 | 45.91 1.73 -12.84 | 41.29 1.70 -10.54 | 31.66 1.61 -3.10 | 26.99 1.30 0.00 | 24.48 1.26 0.00 | 21.65 1.18 0.02 | 25.10 1.99 -0.04 | 38.47 2.23 -11.63 | 107.15 2.80 -71.73 | 103.74 3.05 -57.11 | 94.81 3.91 -40.26 | 80.38 3.04 -38.37 | 54.07 2.51 -17.59 | 46.32 2.14 -14.33 |
| NSINS_S__GLNS_FALLS 23858 | 45.06 2.27 0.00 | 35.75 1.79 0.00 | 33.99 1.70 0.00 | 32.70 1.56 0.00 | 32.66 1.57 0.00 | 32.30 1.63 0.00 | 38.30 1.88 0.00 | 35.38 1.72 0.00 | 34.45 1.48 0.00 | 35.98 1.22 0.00 | 32.17 0.84 0.00 | 29.87 0.81 0.00 | 27.66 0.71 0.00 | 26.27 0.58 0.00 | 23.71 0.49 0.00 | 21.05 0.56 0.00 | 23.86 0.79 0.00 | 25.80 1.19 0.00 | 34.47 1.86 0.00 | 46.27 2.68 0.00 | 53.73 3.09 0.00 | 41.18 2.21 0.00 | 35.83 1.87 0.00 | 31.43 1.57 0.00 |
| NUCOR_STEEL__DRP 24197 | 42.17 -0.62 0.00 | 33.39 -0.57 0.00 | 31.76 -0.53 0.00 | 30.62 -0.52 0.00 | 30.56 -0.53 0.00 | 30.16 -0.50 0.00 | 35.83 -0.59 0.00 | 33.02 -0.64 0.00 | 32.24 -0.74 0.00 | 33.94 -0.82 0.00 | 30.55 -0.79 0.00 | 28.07 -0.80 0.18 | 26.41 -0.54 0.00 | 25.20 -0.49 0.00 | 22.75 -0.48 0.00 | 19.33 -0.42 0.74 | 22.60 -0.46 0.00 | 24.17 -0.45 0.00 | 32.10 -0.51 0.00 | 43.16 -0.43 0.00 | 49.29 -0.40 0.95 | 38.53 -0.39 0.05 | 33.58 -0.38 0.00 | 29.53 -0.33 0.01 |
| NUMBER_THREE_WT_PWR 323818 | 42.41 -0.38 0.00 | 33.56 -0.39 0.00 | 31.88 -0.41 0.00 | 30.86 -0.28 0.00 | 30.89 -0.20 0.00 | 30.49 -0.18 0.00 | 36.19 -0.23 0.00 | 33.11 -0.55 0.00 | 31.86 -1.12 0.00 | 33.24 -1.52 0.00 | 29.80 -1.53 0.00 | 27.60 -1.46 0.00 | 25.64 -1.30 0.00 | 24.43 -1.26 0.00 | 22.02 -1.21 0.00 | 19.38 -1.10 0.00 | 21.81 -1.25 0.00 | 23.32 -1.30 0.00 | 31.38 -1.23 0.00 | 42.79 -0.79 0.00 | 50.29 -0.35 0.00 | 38.51 -0.47 0.00 | 33.60 -0.36 0.00 | 29.49 -0.37 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 42.79 0.00 0.00 | 33.96 0.00 0.00 | 32.29 0.00 0.00 | 31.14 0.00 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.42 0.00 0.00 | 33.66 0.00 0.00 | 32.97 0.00 0.00 | 34.76 0.00 0.00 | 31.34 0.00 0.00 | 29.05 0.00 0.00 | 26.94 0.00 0.00 | 25.69 0.00 0.00 | 23.22 0.00 0.00 | 20.48 0.00 0.00 | 23.06 0.00 0.00 | 24.61 0.00 0.00 | 32.61 0.00 0.00 | 43.58 0.00 0.00 | 50.64 0.00 0.00 | 38.98 0.00 0.00 | 33.96 0.00 0.00 | 29.86 0.00 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| NYPA_BRENTWD____GT 24164 | 45.13 2.34 0.00 | 36.24 2.28 0.00 | 34.44 2.15 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.53 2.12 0.00 | 35.43 1.77 0.00 | 36.94 2.21 -1.76 | 54.13 2.64 -16.72 | 46.91 2.47 -13.10 | 42.66 2.42 -11.18 | 32.35 2.24 -3.16 | 27.62 1.93 0.00 | 24.92 1.70 0.00 | 22.03 1.54 0.00 | 25.06 1.95 -0.05 | 38.40 2.14 -11.65 | 106.89 2.72 -71.56 | 103.43 3.15 -56.69 | 93.87 3.58 -39.66 | 79.77 2.76 -38.03 | 53.70 2.41 -17.33 | 46.69 2.21 -14.62 |
| NYPA_GOWANUS____GT5 24156 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.77 3.13 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NYPA_GOWANUS____GT6 24157 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 33.99 1.71 0.00 | 32.71 1.57 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.92 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.31 0.00 | 31.30 2.25 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.53 1.91 0.00 | 34.94 2.33 0.00 | 46.34 2.75 0.00 | 53.77 3.13 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |
| NYPA_HARLEM__RVR__GT1 24160 | 44.58 1.79 0.00 | 35.55 1.60 0.00 | 33.78 1.49 0.00 | 32.49 1.34 0.00 | 32.40 1.31 0.00 | 31.96 1.29 0.00 | 37.89 1.47 0.00 | 35.35 1.69 0.00 | 34.83 1.86 0.00 | 36.88 2.12 0.00 | 33.37 2.03 0.00 | 31.07 2.01 0.00 | 28.82 1.88 0.00 | 27.53 1.84 0.00 | 24.83 1.61 0.00 | 21.95 1.47 0.00 | 24.63 1.57 0.01 | 26.32 1.71 0.00 | 34.69 2.08 0.01 | 45.95 2.38 0.02 | 53.30 2.67 0.02 | 41.01 2.04 0.02 | 35.69 1.73 0.00 | 31.49 1.63 0.00 |
| NYPA_HARLEM__RVR__GT2 24161 | 44.58 1.79 0.00 | 35.55 1.60 0.00 | 33.78 1.49 0.00 | 32.49 1.34 0.00 | 32.40 1.31 0.00 | 31.96 1.29 0.00 | 37.89 1.47 0.00 | 35.35 1.69 0.00 | 34.83 1.86 0.00 | 36.88 2.12 0.00 | 33.37 2.03 0.00 | 31.07 2.01 0.00 | 28.82 1.88 0.00 | 27.53 1.84 0.00 | 24.83 1.61 0.00 | 21.95 1.47 0.00 | 24.63 1.57 0.01 | 26.32 1.71 0.00 | 34.69 2.08 0.01 | 45.95 2.38 0.02 | 53.30 2.67 0.02 | 41.01 2.04 0.02 | 35.69 1.73 0.00 | 31.49 1.63 0.00 |
| NYPA_KENT____GT 24152 | 44.84 2.05 0.00 | 35.73 1.78 0.00 | 33.94 1.65 0.00 | 32.66 1.52 0.00 | 32.57 1.48 0.00 | 32.14 1.47 0.00 | 38.10 1.69 0.00 | 35.51 1.85 0.00 | 35.00 2.03 0.00 | 37.07 2.30 0.00 | 33.58 2.24 0.00 | 31.25 2.19 0.00 | 28.99 2.05 0.00 | 27.69 2.00 0.00 | 24.99 1.77 0.00 | 22.09 1.60 0.00 | 24.82 1.76 0.00 | 26.50 1.88 0.00 | 34.89 2.28 0.00 | 46.24 2.66 0.00 | 53.64 2.99 0.00 | 41.26 2.29 0.00 | 35.91 1.95 0.00 | 31.64 1.78 0.00 |
| NYPA_POUCH1____GT 24155 | 44.89 2.10 0.00 | 35.77 1.81 0.00 | 33.96 1.68 0.00 | 32.68 1.53 0.00 | 32.59 1.50 0.00 | 32.15 1.48 0.00 | 38.14 1.73 0.00 | 35.56 1.90 0.00 | 35.02 2.05 0.00 | 37.10 2.33 0.00 | 33.60 2.26 0.00 | 31.24 2.19 0.00 | 28.97 2.03 0.00 | 27.67 1.98 0.00 | 24.97 1.75 0.00 | 22.06 1.58 0.00 | 24.78 1.72 0.00 | 26.46 1.85 0.00 | 34.87 2.26 0.00 | 46.28 2.70 0.00 | 53.76 3.12 0.00 | 41.36 2.38 0.00 | 35.96 2.00 0.00 | 31.68 1.82 0.00 |
| NYPA_VERNON____GT2 24162 | 44.73 1.94 0.00 | 35.67 1.71 0.00 | 33.88 1.60 0.00 | 32.61 1.47 0.00 | 32.53 1.44 0.00 | 32.09 1.42 0.00 | 38.03 1.62 0.00 | 35.45 1.79 0.00 | 34.94 1.97 0.00 | 36.99 2.23 0.00 | 33.51 2.17 0.00 | 31.20 2.14 0.00 | 28.94 2.00 0.00 | 27.65 1.96 0.00 | 24.96 1.73 0.00 | 22.07 1.58 0.00 | 24.79 1.73 0.00 | 26.47 1.86 0.00 | 34.84 2.23 0.00 | 46.13 2.55 0.00 | 53.47 2.83 0.00 | 41.15 2.18 0.00 | 35.84 1.88 0.00 | 31.57 1.72 0.00 |
| NYPA_VERNON____GT3 24163 | 44.73 1.94 0.00 | 35.67 1.71 0.00 | 33.88 1.60 0.00 | 32.61 1.47 0.00 | 32.53 1.44 0.00 | 32.09 1.42 0.00 | 38.03 1.62 0.00 | 35.45 1.79 0.00 | 34.94 1.97 0.00 | 36.99 2.23 0.00 | 33.51 2.17 0.00 | 31.20 2.14 0.00 | 28.94 2.00 0.00 | 27.65 1.96 0.00 | 24.96 1.73 0.00 | 22.07 1.58 0.00 | 24.79 1.73 0.00 | 26.47 1.86 0.00 | 34.84 2.23 0.00 | 46.13 2.55 0.00 | 53.47 2.83 0.00 | 41.15 2.18 0.00 | 35.84 1.88 0.00 | 31.57 1.72 0.00 |
| NYPA__ASTORIA_CC1 323568 | 44.67 1.88 0.00 | 35.63 1.67 0.00 | 33.85 1.56 0.00 | 32.58 1.44 0.00 | 32.49 1.40 0.00 | 32.05 1.39 0.00 | 37.99 1.57 0.00 | 35.40 1.74 0.00 | 34.89 1.92 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.16 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.45 1.83 0.00 | 34.81 2.19 0.00 | 46.08 2.50 0.00 | 53.40 2.76 0.00 | 41.11 2.13 0.00 | 35.78 1.82 0.00 | 31.53 1.67 0.00 |
| NYPA__ASTORIA_CC2 323569 | 44.67 1.88 0.00 | 35.63 1.67 0.00 | 33.85 1.56 0.00 | 32.58 1.44 0.00 | 32.49 1.40 0.00 | 32.05 1.39 0.00 | 37.99 1.57 0.00 | 35.40 1.74 0.00 | 34.89 1.92 0.00 | 36.95 2.19 0.00 | 33.46 2.13 0.00 | 31.16 2.10 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.93 1.71 0.00 | 22.05 1.56 0.00 | 24.77 1.71 0.00 | 26.45 1.83 0.00 | 34.81 2.19 0.00 | 46.08 2.50 0.00 | 53.40 2.76 0.00 | 41.11 2.13 0.00 | 35.78 1.82 0.00 | 31.53 1.67 0.00 |
| NYPA__HOLTSVILL 23794 | 44.84 2.05 0.00 | 36.06 2.10 0.00 | 34.30 2.01 -0.01 | 33.08 1.94 0.00 | 32.94 1.85 0.00 | 32.54 1.88 0.00 | 38.38 1.96 0.00 | 35.20 1.54 0.00 | 36.71 2.02 -1.72 | 53.51 2.38 -16.37 | 46.29 2.12 -12.82 | 42.07 2.10 -10.91 | 32.03 1.99 -3.10 | 27.37 1.69 0.00 | 24.75 1.52 0.00 | 21.88 1.39 0.00 | 24.99 1.89 -0.04 | 38.37 2.07 -11.69 | 107.42 2.58 -72.22 | 104.15 2.98 -57.59 | 94.86 3.51 -40.72 | 80.38 2.69 -38.72 | 54.03 2.28 -17.79 | 46.22 2.05 -14.31 |
| NYPA__HELLGATE_GT1 24158 | 44.58 1.79 0.00 | 35.55 1.60 0.00 | 33.78 1.49 0.00 | 32.49 1.34 0.00 | 32.40 1.31 0.00 | 31.96 1.29 0.00 | 37.89 1.47 0.00 | 35.35 1.69 0.00 | 34.83 1.86 0.00 | 36.88 2.12 0.00 | 33.37 2.03 0.00 | 31.07 2.01 0.00 | 28.82 1.88 0.00 | 27.53 1.84 0.00 | 24.83 1.61 0.00 | 21.95 1.47 0.00 | 24.64 1.57 0.00 | 26.32 1.71 0.00 | 34.69 2.08 0.00 | 45.97 2.38 0.00 | 53.31 2.67 0.00 | 41.02 2.04 0.00 | 35.69 1.73 0.00 | 31.47 1.61 0.00 |
| NYPA__HELLGATE_GT2 24159 | 44.58 1.79 0.00 | 35.55 1.60 0.00 | 33.78 1.49 0.00 | 32.49 1.34 0.00 | 32.40 1.31 0.00 | 31.96 1.29 0.00 | 37.89 1.47 0.00 | 35.35 1.69 0.00 | 34.83 1.86 0.00 | 36.88 2.12 0.00 | 33.37 2.03 0.00 | 31.07 2.01 0.00 | 28.82 1.88 0.00 | 27.53 1.84 0.00 | 24.83 1.61 0.00 | 21.95 1.47 0.00 | 24.64 1.57 0.00 | 26.32 1.71 0.00 | 34.69 2.08 0.00 | 45.97 2.38 0.00 | 53.31 2.67 0.00 | 41.02 2.04 0.00 | 35.69 1.73 0.00 | 31.47 1.61 0.00 |
| NYS_BARGE__HYD 23848 | 39.70 -3.09 0.00 | 31.02 -2.93 0.00 | 29.63 -2.65 0.00 | 28.60 -2.54 0.00 | 28.49 -2.60 0.00 | 28.14 -2.53 0.00 | 33.50 -2.92 0.00 | 30.76 -2.90 0.00 | 30.34 -2.63 0.00 | 31.80 -2.96 0.00 | 29.11 -2.23 0.00 | 26.08 -2.30 0.68 | 24.77 -2.17 0.00 | 23.88 -1.81 0.00 | 21.52 -1.71 0.00 | 16.21 -1.55 2.72 | 21.47 -1.59 0.00 | 22.68 -1.94 0.00 | 29.41 -3.20 0.00 | 39.25 -4.34 0.00 | 42.34 -4.78 3.52 | 35.01 -3.78 0.19 | 30.96 -3.00 0.00 | 27.37 -2.47 0.02 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| OAK ORCHARD__HYD 24046 | 41.54 -1.25 0.00 | 32.67 -1.29 0.00 | 31.11 -1.18 0.00 | 30.00 -1.15 0.00 | 29.91 -1.18 0.00 | 29.53 -1.14 0.00 | 35.11 -1.30 0.00 | 32.34 -1.32 0.00 | 31.70 -1.27 0.00 | 33.35 -1.41 0.00 | 30.19 -1.15 0.00 | 27.40 -1.23 0.42 | 25.83 -1.11 0.00 | 24.75 -0.94 0.00 | 22.33 -0.89 0.00 | 17.98 -0.80 1.70 | 22.29 -0.77 0.00 | 23.74 -0.87 0.00 | 31.26 -1.36 0.00 | 41.91 -1.67 0.00 | 46.62 -1.81 2.20 | 37.37 -1.49 0.12 | 32.69 -1.27 0.00 | 28.75 -1.10 0.01 |
| OAKDALE__35_KV_LOAD 356122 | 41.89 -0.91 0.00 | 33.13 -0.83 0.00 | 31.51 -0.77 0.00 | 30.38 -0.76 0.00 | 30.32 -0.77 0.00 | 29.92 -0.74 0.00 | 35.52 -0.89 0.00 | 32.78 -0.88 0.00 | 32.07 -0.90 0.00 | 33.72 -1.05 0.00 | 30.39 -0.95 0.00 | 29.03 -0.89 -0.86 | 26.82 -0.12 0.00 | 25.62 -0.06 0.00 | 23.13 -0.10 0.00 | 23.87 -0.07 -3.46 | 23.01 -0.05 0.00 | 24.61 -0.01 0.00 | 32.58 -0.03 0.00 | 43.63 0.05 -4.47 | 55.19 0.08 -0.24 | 39.17 -0.04 0.00 | 33.89 -0.07 0.00 | 29.85 -0.04 -0.03 |
| OCC_CHEM__DRP 24175 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| OH_GEN_PROXY 24063 | 39.52 -3.28 0.00 | 30.87 -3.09 0.00 | 29.49 -2.80 0.00 | 28.45 -2.69 0.00 | 28.33 -2.76 0.00 | 27.97 -2.69 0.00 | 33.31 -3.11 0.00 | 30.64 -3.03 0.00 | 30.24 -2.74 0.00 | 31.74 -3.02 0.00 | 29.06 -2.28 0.00 | 26.01 -2.34 0.71 | 24.72 -2.22 0.00 | 23.84 -1.85 0.00 | 21.48 -1.74 0.00 | 16.02 -1.58 2.88 | 21.44 -1.62 0.00 | 22.68 -1.94 0.00 | 29.40 -3.22 0.00 | 39.23 -4.36 0.00 | 42.04 -4.88 3.71 | 34.91 -3.87 0.20 | 30.81 -3.15 0.00 | 27.20 -2.63 0.03 |
| OLIN_CORP_DRP 24177 | 39.12 -3.67 0.00 | 30.56 -3.40 0.00 | 29.19 -3.10 0.00 | 28.18 -2.96 0.00 | 28.06 -3.03 0.00 | 27.73 -2.94 0.00 | 33.03 -3.39 0.00 | 30.29 -3.37 0.00 | 29.94 -3.03 0.00 | 31.39 -3.37 0.00 | 28.80 -2.54 0.00 | 25.79 -2.54 0.73 | 24.54 -2.40 0.00 | 23.68 -2.01 0.00 | 21.33 -1.90 0.00 | 15.86 -1.71 2.91 | 21.27 -1.79 0.00 | 22.44 -2.18 0.00 | 29.01 -3.60 0.00 | 38.56 -5.03 0.00 | 41.28 -5.59 3.77 | 34.37 -4.40 0.20 | 30.49 -3.47 0.00 | 26.96 -2.87 0.03 |
| OLIN_CORP_DSASP 323712 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| ONEIDA_HERK_LFGE 323681 | 43.20 0.40 0.00 | 34.19 0.23 0.00 | 32.49 0.21 0.00 | 31.41 0.26 0.00 | 31.39 0.30 0.00 | 30.99 0.32 0.00 | 36.80 0.38 0.00 | 33.78 0.12 0.00 | 32.66 -0.31 0.00 | 34.13 -0.63 0.00 | 30.62 -0.72 0.00 | 28.36 -0.69 0.00 | 26.35 -0.59 0.00 | 25.12 -0.57 0.00 | 22.66 -0.56 0.00 | 19.97 -0.51 0.00 | 22.53 -0.53 0.00 | 24.15 -0.47 0.00 | 32.44 -0.18 0.00 | 44.00 0.42 0.00 | 51.44 0.80 0.00 | 39.42 0.45 0.00 | 34.33 0.37 0.00 | 30.13 0.27 0.00 |
| ONEIDA__115KV_TB4 55905 | 43.41 0.62 0.00 | 34.38 0.42 0.00 | 32.67 0.38 0.00 | 31.53 0.39 0.00 | 31.49 0.40 0.00 | 31.08 0.41 0.00 | 36.91 0.49 0.00 | 33.98 0.32 0.00 | 33.04 0.07 0.00 | 34.62 -0.15 0.00 | 31.08 -0.26 0.00 | 28.79 -0.26 0.00 | 26.81 -0.13 0.00 | 25.57 -0.11 0.00 | 23.10 -0.12 0.00 | 20.37 -0.11 0.00 | 22.98 -0.08 0.00 | 24.63 0.01 0.00 | 32.92 0.30 0.00 | 44.48 0.89 0.00 | 51.85 1.21 0.00 | 39.78 0.81 0.00 | 34.60 0.64 0.00 | 30.40 0.54 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 42.09 -0.70 0.00 | 33.33 -0.63 0.00 | 31.69 -0.59 0.00 | 30.57 -0.58 0.00 | 30.50 -0.58 0.00 | 30.12 -0.55 0.00 | 35.76 -0.65 0.00 | 33.00 -0.66 0.00 | 32.28 -0.69 0.00 | 34.05 -0.71 0.00 | 30.67 -0.67 0.00 | 28.40 -0.66 0.00 | 26.53 -0.42 0.00 | 25.31 -0.37 0.00 | 22.88 -0.35 0.00 | 20.18 -0.31 0.00 | 22.73 -0.33 0.00 | 24.28 -0.34 0.00 | 32.19 -0.42 0.00 | 43.15 -0.43 0.00 | 50.17 -0.47 0.00 | 38.56 -0.42 0.00 | 33.56 -0.40 0.00 | 29.49 -0.36 0.00 |
| ONONDAGA__COGEN 23986 | 42.01 -0.78 0.00 | 33.27 -0.69 0.00 | 31.64 -0.65 0.00 | 30.52 -0.62 0.00 | 30.46 -0.63 0.00 | 30.06 -0.60 0.00 | 35.70 -0.72 0.00 | 32.95 -0.71 0.00 | 32.22 -0.76 0.00 | 34.00 -0.71 0.00 | 30.63 -0.71 0.00 | 28.24 -0.70 0.12 | 26.47 -0.48 0.00 | 25.25 -0.44 0.00 | 22.81 -0.41 0.00 | 19.65 -0.36 0.48 | 22.66 -0.40 0.00 | 24.21 -0.41 0.00 | 32.09 -0.52 0.00 | 43.00 -0.58 0.00 | 49.40 -0.63 0.62 | 38.39 -0.55 0.03 | 33.45 -0.51 0.00 | 29.40 -0.45 0.00 |
| ONTARIO__LFGE 23819 | 42.01 -0.78 0.00 | 33.12 -0.84 0.00 | 31.54 -0.74 0.00 | 30.41 -0.74 0.00 | 30.31 -0.78 0.00 | 29.94 -0.73 0.00 | 35.57 -0.85 0.00 | 32.78 -0.88 0.00 | 31.96 -1.01 0.00 | 33.40 -1.37 0.00 | 30.09 -1.25 0.00 | 27.17 -1.32 0.57 | 25.89 -1.05 0.00 | 24.78 -0.90 0.00 | 22.29 -0.93 0.00 | 17.36 -0.85 2.28 | 22.22 -0.84 0.00 | 23.90 -0.72 0.00 | 31.69 -0.92 0.00 | 42.79 -0.79 0.00 | 46.87 -0.81 2.95 | 38.01 -0.81 0.16 | 33.22 -0.74 0.00 | 29.20 -0.64 0.02 |
| ORANGEVILLE_WT_PWR 323706 | 40.23 -2.56 0.00 | 31.54 -2.42 0.00 | 30.13 -2.16 0.00 | 29.05 -2.09 0.00 | 28.96 -2.13 0.00 | 28.58 -2.09 0.00 | 33.98 -2.44 0.00 | 31.26 -2.40 0.00 | 30.75 -2.22 0.00 | 32.09 -2.67 0.00 | 29.10 -2.23 0.00 | 25.81 -2.28 0.96 | 24.82 -2.12 0.00 | 23.92 -1.77 0.00 | 21.47 -1.76 0.00 | 15.00 -1.62 3.86 | 21.46 -1.60 0.00 | 22.84 -1.77 0.00 | 29.97 -2.64 0.00 | 40.35 -3.23 0.00 | 42.11 -3.53 5.00 | 35.81 -2.90 0.27 | 31.57 -2.39 0.00 | 27.81 -2.01 0.03 |
| ORANGEVILLE__ESR 323794 | 40.23 -2.56 0.00 | 31.54 -2.42 0.00 | 30.13 -2.16 0.00 | 29.05 -2.09 0.00 | 28.96 -2.13 0.00 | 28.58 -2.09 0.00 | 33.98 -2.44 0.00 | 31.26 -2.40 0.00 | 30.75 -2.22 0.00 | 32.09 -2.67 0.00 | 29.10 -2.23 0.00 | 25.81 -2.28 0.96 | 24.82 -2.12 0.00 | 23.92 -1.77 0.00 | 21.47 -1.76 0.00 | 15.00 -1.62 3.86 | 21.46 -1.60 0.00 | 22.84 -1.77 0.00 | 29.97 -2.64 0.00 | 40.35 -3.23 0.00 | 42.11 -3.53 5.00 | 35.81 -2.90 0.27 | 31.57 -2.39 0.00 | 27.81 -2.01 0.03 |
| OSWEGATCHIE__HYD 24044 | 41.57 -1.22 0.00 | 32.92 -1.04 0.00 | 31.28 -1.01 0.00 | 30.26 -0.89 0.00 | 30.27 -0.82 0.00 | 29.87 -0.79 0.00 | 35.46 -0.95 0.00 | 32.50 -1.16 0.00 | 31.40 -1.57 0.00 | 32.87 -1.89 0.00 | 29.52 -1.82 0.00 | 27.34 -1.72 0.00 | 25.35 -1.59 0.00 | 24.15 -1.54 0.00 | 21.80 -1.42 0.00 | 19.19 -1.29 0.00 | 21.60 -1.47 0.00 | 23.08 -1.54 0.00 | 30.93 -1.69 0.00 | 41.94 -1.65 0.00 | 49.19 -1.45 0.00 | 37.78 -1.19 0.00 | 32.96 -1.00 0.00 | 28.91 -0.95 0.00 |
| OSWEGO__5 23606 | 41.43 -1.36 0.00 | 32.83 -1.13 0.00 | 31.22 -1.06 0.00 | 30.12 -1.03 0.00 | 30.06 -1.03 0.00 | 29.66 -1.01 0.00 | 35.22 -1.20 0.00 | 32.52 -1.14 0.00 | 31.84 -1.13 0.00 | 33.64 -1.13 0.00 | 30.33 -1.01 0.00 | 28.09 -0.97 0.00 | 26.16 -0.78 0.00 | 24.96 -0.72 0.00 | 22.56 -0.66 0.00 | 19.90 -0.58 0.00 | 22.40 -0.67 0.00 | 23.87 -0.75 0.00 | 31.57 -1.04 0.00 | 42.27 -1.32 0.00 | 49.13 -1.51 0.00 | 37.78 -1.19 0.00 | 32.91 -1.05 0.00 | 28.93 -0.92 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| OSWEGO___6 23613 | 41.43 -1.36 0.00 | 32.83 -1.13 0.00 | 31.22 -1.06 0.00 | 30.12 -1.03 0.00 | 30.06 -1.03 0.00 | 29.66 -1.01 0.00 | 35.22 -1.20 0.00 | 32.52 -1.14 0.00 | 31.84 -1.13 0.00 | 33.64 -1.13 0.00 | 30.33 -1.01 0.00 | 28.09 -0.97 0.00 | 26.16 -0.78 0.00 | 24.96 -0.72 0.00 | 22.56 -0.66 0.00 | 19.90 -0.58 0.00 | 22.40 -0.67 0.00 | 23.87 -0.75 0.00 | 31.57 -1.04 0.00 | 42.27 -1.32 0.00 | 49.13 -1.51 0.00 | 37.78 -1.19 0.00 | 32.91 -1.05 0.00 | 28.93 -0.92 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 40.01 -2.79 0.00 | 31.25 -2.71 0.00 | 29.84 -2.45 0.00 | 28.80 -2.34 0.00 | 28.67 -2.41 0.00 | 28.32 -2.35 0.00 | 33.72 -2.70 0.00 | 30.99 -2.67 0.00 | 30.60 -2.37 0.00 | 32.09 -2.68 0.00 | 29.41 -1.93 0.00 | 26.30 -2.02 0.74 | 24.99 -1.95 0.00 | 24.10 -1.59 0.00 | 21.71 -1.51 0.00 | 16.15 -1.38 2.96 | 21.68 -1.39 0.00 | 22.91 -1.71 0.00 | 29.71 -2.90 0.00 | 39.66 -3.92 0.00 | 42.51 -4.30 3.83 | 35.34 -3.43 0.21 | 31.23 -2.73 0.00 | 27.56 -2.27 0.03 |
| OXBOW___BTM 323836 | 39.71 -3.08 0.00 | 30.99 -2.96 0.00 | 29.61 -2.67 0.00 | 28.58 -2.56 0.00 | 28.46 -2.63 0.00 | 28.11 -2.56 0.00 | 33.48 -2.94 0.00 | 30.75 -2.91 0.00 | 30.37 -2.61 0.00 | 31.86 -2.90 0.00 | 29.26 -2.08 0.00 | 26.16 -2.16 0.73 | 24.88 -2.07 0.00 | 23.99 -1.70 0.00 | 21.62 -1.60 0.00 | 16.09 -1.46 2.93 | 21.58 -1.48 0.00 | 22.76 -1.85 0.00 | 29.46 -3.15 0.00 | 39.32 -4.26 0.00 | 42.12 -4.73 3.79 | 35.03 -3.74 0.20 | 30.94 -3.02 0.00 | 27.32 -2.51 0.03 |
| OXBOW___ 24026 | 39.71 -3.08 0.00 | 31.00 -2.96 0.00 | 29.61 -2.68 0.00 | 28.58 -2.56 0.00 | 28.45 -2.63 0.00 | 28.10 -2.57 0.00 | 33.47 -2.94 0.00 | 30.73 -2.92 0.00 | 30.38 -2.60 0.00 | 31.86 -2.91 0.00 | 29.26 -2.08 0.00 | 26.18 -2.15 0.73 | 24.88 -2.07 0.00 | 23.99 -1.70 0.00 | 21.62 -1.61 0.00 | 16.10 -1.46 2.93 | 21.58 -1.48 0.00 | 22.77 -1.85 0.00 | 29.48 -3.14 0.00 | 39.33 -4.26 0.00 | 42.15 -4.70 3.79 | 35.04 -3.73 0.20 | 30.98 -2.98 0.00 | 27.33 -2.50 0.03 |
| OXY_CHEM_DSASP 323612 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| OZONE_PARK_ESR 323760 | 45.16 2.37 0.00 | 35.94 1.99 0.00 | 34.13 1.85 0.00 | 32.84 1.70 0.00 | 32.75 1.66 0.00 | 32.32 1.66 0.00 | 38.34 1.92 0.00 | 35.72 2.06 0.00 | 35.21 2.24 0.00 | 37.29 2.53 0.00 | 33.78 2.44 0.00 | 31.43 2.37 0.00 | 29.13 2.19 0.00 | 27.82 2.14 0.00 | 25.12 1.90 0.00 | 22.20 1.71 0.00 | 24.96 1.89 0.00 | 26.65 2.04 0.00 | 35.12 2.51 0.00 | 46.62 3.03 0.00 | 54.08 3.44 0.00 | 41.58 2.60 0.00 | 36.17 2.21 0.00 | 31.82 1.96 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 39.23 -3.57 0.00 | 30.61 -3.35 0.00 | 29.24 -3.05 0.00 | 28.24 -2.90 0.00 | 28.11 -2.98 0.00 | 27.76 -2.91 0.00 | 33.07 -3.35 0.00 | 30.34 -3.32 0.00 | 30.00 -2.97 0.00 | 31.49 -3.28 0.00 | 28.97 -2.37 0.00 | 25.94 -2.39 0.72 | 24.65 -2.30 0.00 | 23.78 -1.91 0.00 | 21.43 -1.80 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.10 -3.52 0.00 | 38.80 -4.78 0.00 | 41.56 -5.32 3.75 | 34.58 -4.19 0.20 | 30.57 -3.38 0.00 | 26.98 -2.86 0.03 |
| PACKARD__115KV_DUPONT_184 80571 | 39.22 -3.57 0.00 | 30.60 -3.35 0.00 | 29.25 -3.04 0.00 | 28.24 -2.91 0.00 | 28.12 -2.97 0.00 | 27.76 -2.91 0.00 | 33.07 -3.34 0.00 | 30.36 -3.30 0.00 | 29.99 -2.98 0.00 | 31.48 -3.28 0.00 | 28.97 -2.37 0.00 | 25.93 -2.40 0.72 | 24.64 -2.30 0.00 | 23.77 -1.91 0.00 | 21.43 -1.79 0.00 | 15.96 -1.63 2.90 | 21.38 -1.68 0.00 | 22.52 -2.10 0.00 | 29.08 -3.53 0.00 | 38.81 -4.78 0.00 | 41.53 -5.36 3.75 | 34.56 -4.21 0.20 | 30.54 -3.42 0.00 | 26.97 -2.87 0.03 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 44.71 1.92 0.00 | 35.64 1.69 0.00 | 33.87 1.58 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.05 1.38 0.00 | 38.00 1.58 0.00 | 35.44 1.78 0.00 | 34.91 1.94 0.00 | 36.97 2.21 0.00 | 33.45 2.12 0.00 | 31.14 2.08 0.00 | 28.89 1.95 0.00 | 27.58 1.90 0.00 | 24.88 1.66 0.00 | 21.99 1.51 0.00 | 24.70 1.64 0.00 | 26.40 1.78 0.00 | 34.79 2.17 0.00 | 46.11 2.52 0.00 | 53.47 2.83 0.00 | 41.14 2.17 0.00 | 35.80 1.84 0.00 | 31.55 1.69 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 45.74 2.95 0.00 | 36.45 2.50 0.00 | 34.64 2.36 0.00 | 33.33 2.19 0.00 | 33.22 2.13 0.00 | 32.77 2.11 0.00 | 38.91 2.49 0.00 | 36.27 2.61 0.00 | 35.76 2.79 0.00 | 37.89 3.13 0.00 | 34.27 2.93 0.00 | 31.85 2.80 0.00 | 29.51 2.57 0.00 | 28.18 2.50 0.00 | 25.41 2.19 0.00 | 22.46 1.98 0.00 | 25.22 2.16 0.00 | 26.98 2.37 0.00 | 35.54 2.93 0.00 | 47.18 3.60 0.00 | 54.57 3.93 0.00 | 41.95 2.98 0.00 | 36.52 2.56 0.00 | 32.25 2.39 0.00 |
| PATROON__115KV_TB1 80586 | 43.65 0.87 0.00 | 34.81 0.85 0.00 | 33.07 0.78 0.00 | 31.91 0.76 0.00 | 31.85 0.76 0.00 | 31.39 0.72 0.00 | 37.24 0.83 0.00 | 34.47 0.82 0.00 | 33.76 0.79 0.00 | 35.50 0.73 0.00 | 31.96 0.62 0.00 | 29.70 0.65 0.00 | 27.54 0.59 0.00 | 26.21 0.52 0.00 | 23.71 0.49 0.00 | 20.98 0.49 0.00 | 23.68 0.61 0.00 | 25.38 0.76 0.00 | 33.59 0.98 0.00 | 44.78 1.20 0.00 | 51.96 1.31 0.00 | 40.01 1.04 0.00 | 34.85 0.89 0.00 | 30.68 0.82 0.00 |
| PATRSNVILLE___SOLAR 323815 | 44.13 1.33 0.00 | 35.04 1.08 0.00 | 33.29 1.01 0.00 | 32.11 0.96 0.00 | 32.05 0.96 0.00 | 31.62 0.95 0.00 | 37.53 1.12 0.00 | 34.59 0.93 0.00 | 33.70 0.73 0.00 | 35.36 0.59 0.00 | 31.82 0.48 0.00 | 29.53 0.47 0.00 | 27.34 0.39 0.00 | 26.04 0.36 0.00 | 23.56 0.34 0.00 | 20.82 0.34 0.00 | 23.44 0.38 0.00 | 25.12 0.50 0.00 | 33.49 0.88 0.00 | 45.08 1.50 0.00 | 52.43 1.80 0.00 | 40.30 1.33 0.00 | 35.09 1.13 0.00 | 30.84 0.98 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 40.04 -2.75 0.00 | 31.32 -2.64 0.00 | 29.89 -2.39 0.00 | 28.83 -2.31 0.00 | 28.69 -2.40 0.00 | 28.32 -2.34 0.00 | 33.72 -2.70 0.00 | 31.05 -2.60 0.00 | 30.65 -2.32 0.00 | 32.16 -2.61 0.00 | 29.35 -1.98 0.00 | 26.15 -2.08 0.84 | 24.96 -1.99 0.00 | 24.07 -1.62 0.00 | 21.64 -1.59 0.00 | 15.70 -1.43 3.36 | 21.62 -1.45 0.00 | 22.95 -1.66 0.00 | 29.88 -2.73 0.00 | 39.95 -3.63 0.00 | 42.32 -3.97 4.34 | 35.50 -3.24 0.23 | 31.32 -2.64 0.00 | 27.63 -2.20 0.03 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 44.99 2.20 0.00 | 35.78 1.83 0.00 | 33.98 1.69 0.00 | 32.70 1.56 0.00 | 32.63 1.54 0.00 | 32.20 1.53 0.00 | 38.22 1.80 0.00 | 35.55 1.89 0.00 | 34.99 2.01 0.00 | 36.98 2.22 0.00 | 33.40 2.07 0.00 | 31.08 2.02 0.00 | 28.77 1.82 0.00 | 27.43 1.74 0.00 | 24.76 1.53 0.00 | 21.89 1.41 0.00 | 24.67 1.60 0.00 | 26.41 1.80 0.00 | 34.86 2.24 0.00 | 46.38 2.79 0.00 | 53.82 3.18 0.00 | 41.32 2.35 0.00 | 35.92 1.96 0.00 | 31.58 1.73 0.00 |
| PEEKSKILL___ 23653 | 44.58 1.79 0.00 | 35.49 1.53 0.00 | 33.70 1.41 0.00 | 32.44 1.29 0.00 | 32.35 1.26 0.00 | 31.92 1.25 0.00 | 37.88 1.47 0.00 | 35.24 1.58 0.00 | 34.69 1.72 0.00 | 36.70 1.93 0.00 | 33.20 1.86 0.00 | 30.98 1.84 -0.09 | 28.62 1.67 0.00 | 27.32 1.64 0.00 | 24.66 1.44 0.00 | 22.16 1.32 -0.35 | 24.53 1.47 0.00 | 26.21 1.60 0.00 | 34.57 1.95 0.00 | 45.95 2.37 0.00 | 53.78 2.68 -0.46 | 40.98 1.98 -0.02 | 35.61 1.66 0.00 | 31.38 1.52 0.00 |

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| PGE MADISON___WINDPWR 24146 | 45.70 2.91 0.00 | 36.18 2.22 0.00 | 34.38 2.09 0.00 | 33.04 1.89 0.00 | 33.15 2.06 0.00 | 32.80 2.13 0.00 | 38.98 2.56 0.00 | 35.65 1.99 0.00 | 34.31 1.34 0.00 | 35.48 0.71 0.00 | 31.64 0.31 0.00 | 29.30 0.09 -0.15 | 27.24 0.29 0.00 | 26.01 0.32 0.00 | 23.42 0.19 0.00 | 21.30 0.22 -0.59 | 23.29 0.23 0.00 | 25.30 0.68 0.00 | 34.38 1.77 0.00 | 47.04 3.46 0.00 | 55.50 4.09 -0.77 | 41.71 2.70 -0.04 | 36.15 2.18 0.00 | 31.87 2.01 0.00 |
| PIERCEFIELD___HYD 23852 | 41.67 -1.12 0.00 | 33.04 -0.91 0.00 | 31.41 -0.88 0.00 | 30.34 -0.81 0.00 | 30.34 -0.75 0.00 | 29.94 -0.73 0.00 | 35.60 -0.82 0.00 | 32.71 -0.95 0.00 | 31.84 -1.13 0.00 | 33.42 -1.34 0.00 | 30.05 -1.29 0.00 | 27.82 -1.23 0.00 | 25.75 -1.19 0.00 | 24.52 -1.17 0.00 | 22.17 -1.06 0.00 | 19.50 -0.98 0.00 | 21.96 -1.11 0.00 | 23.47 -1.15 0.00 | 31.29 -1.32 0.00 | 42.08 -1.51 0.00 | 49.09 -1.55 0.00 | 37.86 -1.11 0.00 | 33.03 -0.93 0.00 | 28.96 -0.90 0.00 |
| PINELAWN_CC_1 323563 | 45.07 2.27 0.00 | 36.14 2.18 0.00 | 34.35 2.06 -0.01 | 33.08 1.93 0.00 | 32.95 1.87 0.00 | 32.55 1.88 0.00 | 38.44 2.02 0.00 | 35.41 1.75 0.00 | 37.05 2.17 -1.91 | 55.57 2.61 -18.20 | 48.06 2.47 -14.26 | 43.63 2.40 -12.17 | 32.59 2.20 -3.44 | 27.60 1.91 0.00 | 24.89 1.67 0.00 | 22.01 1.52 0.00 | 24.99 1.87 -0.05 | 37.85 2.06 -11.17 | 101.72 2.64 -66.46 | 97.45 3.16 -50.70 | 87.43 3.58 -33.21 | 75.23 2.72 -33.54 | 50.84 2.33 -14.55 | 47.91 2.14 -15.91 |
| PJM_GEN_HTP_PROXY 323702 | 44.77 1.98 0.00 | 35.67 1.71 0.00 | 33.86 1.58 0.00 | 32.60 1.46 0.00 | 32.51 1.42 0.00 | 32.08 1.41 0.00 | 38.05 1.63 0.00 | 35.43 1.78 0.00 | 34.91 1.94 0.00 | 36.97 2.21 0.00 | 33.46 2.13 0.00 | 31.15 2.09 0.00 | 28.88 1.94 0.00 | 27.59 1.90 0.00 | 24.91 1.68 0.00 | 22.01 1.53 0.00 | 24.75 1.69 0.00 | 26.43 1.81 0.00 | 34.80 2.19 0.00 | 46.19 2.61 0.00 | 53.59 2.95 0.00 | 41.19 2.21 0.00 | 35.83 1.87 0.00 | 31.55 1.70 0.00 |
| PJM_GEN_KEystone 24065 | 42.31 -0.49 0.00 | 33.46 -0.50 0.00 | 31.85 -0.44 0.00 | 30.68 -0.47 0.00 | 30.55 -0.54 0.00 | 30.12 -0.55 0.00 | 35.79 -0.63 0.00 | 33.20 -0.45 0.00 | 32.70 -0.27 0.00 | 34.49 -0.27 0.00 | 31.31 -0.02 0.00 | 28.59 -0.03 0.43 | 26.92 -0.03 0.00 | 25.82 0.13 0.00 | 23.22 0.00 0.00 | 18.74 0.00 1.74 | 23.13 0.07 0.00 | 24.68 0.06 0.00 | 32.36 -0.26 0.00 | 43.17 -0.42 0.00 | 47.90 -0.49 2.25 | 38.30 -0.55 0.12 | 33.49 -0.47 0.00 | 29.56 -0.29 0.01 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 44.74 1.95 0.00 | 35.86 1.90 0.00 | 34.06 1.77 0.00 | 32.81 1.67 0.00 | 32.69 1.60 0.00 | 32.28 1.61 0.00 | 38.15 1.73 0.00 | 35.21 1.55 0.00 | 36.50 1.91 -1.62 | 52.57 2.42 -15.39 | 45.69 2.29 -12.06 | 41.63 2.28 -10.29 | 31.96 2.11 -2.91 | 27.55 1.87 0.00 | 24.86 1.64 0.00 | 21.97 1.49 0.00 | 24.90 1.80 -0.04 | 35.74 1.96 -9.17 | 89.12 2.44 -54.07 | 87.26 2.86 -40.82 | 79.95 3.09 -26.22 | 68.20 2.34 -26.89 | 47.46 2.00 -11.50 | 45.19 1.87 -13.45 |
| PJM_GEN_VFT_PROXY 323633 | 44.71 1.92 0.00 | 35.62 1.66 0.00 | 33.82 1.54 0.00 | 32.56 1.42 0.00 | 32.47 1.38 0.00 | 32.04 1.37 0.00 | 38.00 1.58 0.00 | 35.41 1.75 0.00 | 34.89 1.91 0.00 | 36.95 2.18 0.00 | 33.45 2.11 0.00 | 31.15 2.09 0.00 | 28.88 1.94 0.00 | 27.59 1.90 0.00 | 24.90 1.67 0.00 | 22.01 1.53 0.00 | 24.74 1.68 0.00 | 26.40 1.79 0.00 | 34.77 2.16 0.00 | 46.14 2.56 0.00 | 53.50 2.86 0.00 | 41.13 2.16 0.00 | 35.78 1.82 0.00 | 31.53 1.67 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 43.48 0.69 0.00 | 34.52 0.56 0.00 | 32.83 0.54 0.00 | 31.66 0.52 0.00 | 31.69 0.60 0.00 | 31.27 0.60 0.00 | 37.15 0.74 0.00 | 34.34 0.68 0.00 | 33.57 0.60 0.00 | 35.30 0.54 0.00 | 31.75 0.42 0.00 | 29.44 0.39 0.00 | 27.24 0.29 0.00 | 25.91 0.22 0.00 | 23.40 0.17 0.00 | 20.70 0.21 0.00 | 23.36 0.30 0.00 | 24.99 0.37 0.00 | 33.12 0.51 0.00 | 44.33 0.74 0.00 | 51.49 0.85 0.00 | 39.68 0.71 0.00 | 34.64 0.68 0.00 | 30.34 0.48 0.00 |
| PLEASANTVLY___LBMP 24000 | 44.43 1.64 0.00 | 35.36 1.40 0.00 | 33.59 1.31 0.00 | 32.33 1.19 0.00 | 32.25 1.16 0.00 | 31.83 1.16 0.00 | 37.77 1.35 0.00 | 35.12 1.46 0.00 | 34.53 1.56 0.00 | 36.50 1.74 0.00 | 32.98 1.65 0.00 | 30.69 1.63 0.00 | 28.44 1.50 0.00 | 27.14 1.45 0.00 | 24.50 1.28 0.00 | 21.67 1.18 0.00 | 24.39 1.33 0.00 | 26.07 1.46 0.00 | 34.38 1.77 0.00 | 45.74 2.16 0.00 | 53.06 2.42 0.00 | 40.78 1.80 0.00 | 35.47 1.51 0.00 | 31.22 1.37 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 44.77 1.98 0.00 | 35.65 1.69 0.00 | 33.85 1.57 0.00 | 32.59 1.44 0.00 | 32.50 1.41 0.00 | 32.07 1.40 0.00 | 38.04 1.62 0.00 | 35.40 1.74 0.00 | 34.85 1.88 0.00 | 36.88 2.11 0.00 | 33.36 2.03 0.00 | 31.06 2.00 0.00 | 28.77 1.83 0.00 | 27.46 1.78 0.00 | 24.79 1.57 0.00 | 21.92 1.44 0.00 | 24.66 1.60 0.00 | 26.35 1.74 0.00 | 34.74 2.13 0.00 | 46.17 2.58 0.00 | 53.54 2.90 0.00 | 41.15 2.17 0.00 | 35.79 1.83 0.00 | 31.50 1.64 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 44.77 1.98 0.00 | 35.65 1.69 0.00 | 33.85 1.57 0.00 | 32.59 1.44 0.00 | 32.50 1.41 0.00 | 32.07 1.40 0.00 | 38.04 1.62 0.00 | 35.40 1.74 0.00 | 34.85 1.88 0.00 | 36.88 2.11 0.00 | 33.36 2.03 0.00 | 31.06 2.00 0.00 | 28.77 1.83 0.00 | 27.46 1.78 0.00 | 24.79 1.57 0.00 | 21.92 1.44 0.00 | 24.66 1.60 0.00 | 26.35 1.74 0.00 | 34.74 2.13 0.00 | 46.17 2.58 0.00 | 53.54 2.90 0.00 | 41.15 2.17 0.00 | 35.79 1.83 0.00 | 31.50 1.64 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 44.84 2.05 0.00 | 35.66 1.71 0.00 | 33.88 1.59 0.00 | 32.61 1.47 0.00 | 32.53 1.44 0.00 | 32.11 1.44 0.00 | 38.10 1.69 0.00 | 35.42 1.76 0.00 | 34.82 1.85 0.00 | 36.78 2.02 0.00 | 33.18 1.85 0.00 | 30.83 1.77 0.00 | 28.55 1.60 0.00 | 27.20 1.52 0.00 | 24.57 1.34 0.00 | 21.73 1.25 0.00 | 24.49 1.43 0.00 | 26.24 1.62 0.00 | 34.67 2.05 0.00 | 46.16 2.58 0.00 | 53.58 2.94 0.00 | 41.17 2.19 0.00 | 35.79 1.83 0.00 | 31.47 1.61 0.00 |
| POLETTI___ 23519 | 44.73 1.94 0.00 | 35.62 1.66 0.00 | 33.83 1.54 0.00 | 32.56 1.41 0.00 | 32.48 1.39 0.00 | 32.05 1.38 0.00 | 38.00 1.59 0.00 | 35.40 1.74 0.00 | 34.88 1.90 0.00 | 36.93 2.17 0.00 | 33.45 2.11 0.00 | 31.14 2.08 0.00 | 28.87 1.92 0.00 | 27.59 1.90 0.00 | 24.91 1.68 0.00 | 22.01 1.53 0.00 | 24.74 1.67 0.00 | 26.41 1.80 0.00 | 34.78 2.17 0.00 | 46.14 2.56 0.00 | 53.50 2.86 0.00 | 41.14 2.16 0.00 | 35.80 1.84 0.00 | 31.52 1.66 0.00 |
| POMONA___ESR 323819 | 44.66 1.87 0.00 | 35.54 1.58 0.00 | 33.76 1.47 0.00 | 32.49 1.34 0.00 | 32.40 1.31 0.00 | 31.97 1.31 0.00 | 37.95 1.54 0.00 | 35.30 1.65 0.00 | 34.74 1.77 0.00 | 36.74 1.98 0.00 | 33.24 1.91 0.00 | 31.03 1.88 -0.09 | 28.65 1.70 0.00 | 27.35 1.66 0.00 | 24.69 1.47 0.00 | 22.19 1.34 -0.36 | 24.56 1.50 0.00 | 26.26 1.64 0.00 | 34.63 2.01 0.00 | 46.05 2.46 0.00 | 53.90 2.79 -0.47 | 41.05 2.05 -0.02 | 35.67 1.71 0.00 | 31.42 1.56 0.00 |
| PORT_JEFF_3 23555 | 44.93 2.14 0.00 | 36.13 2.17 0.00 | 34.36 2.07 -0.01 | 33.14 2.00 0.00 | 33.00 1.91 0.00 | 32.60 1.94 0.00 | 38.46 2.04 0.00 | 35.27 1.61 0.00 | 36.79 2.09 -1.72 | 53.61 2.46 -16.39 | 46.39 2.21 -12.84 | 42.19 2.17 -10.96 | 32.09 2.04 -3.10 | 27.42 1.73 0.00 | 24.78 1.55 0.00 | 21.91 1.43 0.00 | 25.04 1.93 -0.04 | 38.33 2.13 -11.58 | 106.70 2.68 -71.42 | 103.48 3.10 -56.80 | 94.27 3.65 -39.98 | 79.93 2.80 -38.15 | 53.79 2.36 -17.47 | 46.31 2.13 -14.33 |

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| PORT_JEFF_4 23616 | 44.93 2.14 0.00 | 36.13 2.17 0.00 | 34.36 2.07 -0.01 | 33.14 2.00 0.00 | 33.00 1.91 0.00 | 32.60 1.94 0.00 | 38.46 2.04 0.00 | 35.27 1.61 0.00 | 36.79 2.09 -1.72 | 53.61 2.46 -16.39 | 46.39 2.21 -12.84 | 42.19 2.17 -10.96 | 32.09 2.04 -3.10 | 27.42 1.73 0.00 | 24.78 1.55 0.00 | 21.91 1.43 0.00 | 25.04 1.93 -0.04 | 38.33 2.13 -11.58 | 106.70 2.68 -71.42 | 103.48 3.10 -56.80 | 94.27 3.65 -39.98 | 79.93 2.80 -38.15 | 53.79 2.36 -17.47 | 46.31 2.13 -14.33 |
| PORT_JEFF_IC 23713 | 44.94 2.15 0.00 | 36.14 2.18 0.00 | 34.39 2.10 -0.01 | 33.15 2.00 0.00 | 33.00 1.91 0.00 | 32.61 1.94 0.00 | 38.46 2.05 0.00 | 35.28 1.62 0.00 | 36.80 2.10 -1.73 | 53.68 2.46 -16.45 | 46.44 2.21 -12.89 | 42.30 2.17 -11.07 | 32.10 2.04 -3.11 | 27.40 1.71 0.00 | 24.77 1.54 0.00 | 21.90 1.42 0.00 | 25.05 1.94 -0.05 | 38.05 2.14 -11.30 | 104.51 2.69 -69.20 | 101.34 3.14 -54.61 | 92.30 3.70 -37.96 | 78.39 2.83 -36.58 | 52.94 2.39 -16.60 | 46.38 2.14 -14.38 |
| PPL_PILGRIM_ST_GT1 24216 | 45.13 2.34 0.00 | 36.24 2.28 0.00 | 34.44 2.15 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.53 2.12 0.00 | 35.43 1.77 0.00 | 36.94 2.21 -1.76 | 54.13 2.64 -16.72 | 46.91 2.47 -13.10 | 42.66 2.42 -11.18 | 32.35 2.24 -3.16 | 27.62 1.93 0.00 | 24.92 1.70 0.00 | 22.03 1.54 0.00 | 25.06 1.95 -0.05 | 38.40 2.14 -11.65 | 106.89 2.72 -71.56 | 103.43 3.15 -56.69 | 93.87 3.58 -39.66 | 79.77 2.76 -38.03 | 53.70 2.41 -17.33 | 46.69 2.21 -14.62 |
| PPL_PILGRIM_ST_GT2 24217 | 45.13 2.34 0.00 | 36.24 2.28 0.00 | 34.44 2.15 -0.01 | 33.19 2.05 0.00 | 33.05 1.96 0.00 | 32.65 1.99 0.00 | 38.53 2.12 0.00 | 35.43 1.77 0.00 | 36.94 2.21 -1.76 | 54.13 2.64 -16.72 | 46.91 2.47 -13.10 | 42.66 2.42 -11.18 | 32.35 2.24 -3.16 | 27.62 1.93 0.00 | 24.92 1.70 0.00 | 22.03 1.54 0.00 | 25.06 1.95 -0.05 | 38.40 2.14 -11.65 | 106.89 2.72 -71.56 | 103.43 3.15 -56.69 | 93.87 3.58 -39.66 | 79.77 2.76 -38.03 | 53.70 2.41 -17.33 | 46.69 2.21 -14.62 |
| PPL_SHRM_GT3 24213 | 44.78 1.99 0.00 | 36.09 2.13 0.00 | 34.39 2.10 -0.01 | 33.23 2.09 0.00 | 33.08 1.99 0.00 | 32.68 2.02 0.00 | 38.51 2.10 0.00 | 34.99 1.34 0.00 | 36.65 1.95 -1.72 | 53.45 2.27 -16.42 | 45.97 1.76 -12.86 | 41.53 1.72 -10.75 | 31.69 1.64 -3.11 | 27.00 1.31 0.00 | 24.49 1.27 0.00 | 21.67 1.19 0.00 | 25.10 1.99 -0.04 | 38.38 2.24 -11.53 | 106.38 2.81 -70.95 | 102.99 3.08 -56.33 | 94.11 3.93 -39.54 | 79.84 3.05 -37.81 | 53.77 2.53 -17.28 | 46.37 2.16 -14.35 |
| PPL_SHRM_GT4 24214 | 44.78 1.99 0.00 | 36.09 2.13 0.00 | 34.39 2.10 -0.01 | 33.23 2.09 0.00 | 33.08 1.99 0.00 | 32.68 2.02 0.00 | 38.51 2.10 0.00 | 34.99 1.34 0.00 | 36.65 1.95 -1.72 | 53.45 2.27 -16.42 | 45.97 1.76 -12.86 | 41.53 1.72 -10.75 | 31.69 1.64 -3.11 | 27.00 1.31 0.00 | 24.49 1.27 0.00 | 21.67 1.19 0.00 | 25.10 1.99 -0.04 | 38.38 2.24 -11.53 | 106.38 2.81 -70.95 | 102.99 3.08 -56.33 | 94.11 3.93 -39.54 | 79.84 3.05 -37.81 | 53.77 2.53 -17.28 | 46.37 2.16 -14.35 |
| PROJECT__ORANGE 1 24174 | 41.86 -0.94 0.00 | 33.15 -0.81 0.00 | 31.52 -0.77 0.00 | 30.41 -0.74 0.00 | 30.34 -0.74 0.00 | 29.95 -0.72 0.00 | 35.56 -0.86 0.00 | 32.83 -0.83 0.00 | 32.13 -0.84 0.00 | 33.95 -0.82 0.00 | 30.59 -0.75 0.00 | 28.32 -0.74 0.00 | 26.42 -0.52 0.00 | 25.21 -0.48 0.00 | 22.78 -0.44 0.00 | 20.10 -0.38 0.00 | 22.64 -0.42 0.00 | 24.17 -0.45 0.00 | 32.01 -0.61 0.00 | 42.84 -0.74 0.00 | 49.80 -0.84 0.00 | 38.27 -0.70 0.00 | 33.31 -0.65 0.00 | 29.29 -0.57 0.00 |
| PROJECT__ORANGE 2 24166 | 41.86 -0.94 0.00 | 33.15 -0.81 0.00 | 31.52 -0.77 0.00 | 30.41 -0.74 0.00 | 30.34 -0.74 0.00 | 29.95 -0.72 0.00 | 35.56 -0.86 0.00 | 32.83 -0.83 0.00 | 32.13 -0.84 0.00 | 33.95 -0.82 0.00 | 30.59 -0.75 0.00 | 28.32 -0.74 0.00 | 26.42 -0.52 0.00 | 25.21 -0.48 0.00 | 22.78 -0.44 0.00 | 20.10 -0.38 0.00 | 22.64 -0.42 0.00 | 24.17 -0.45 0.00 | 32.01 -0.61 0.00 | 42.84 -0.74 0.00 | 49.80 -0.84 0.00 | 38.27 -0.70 0.00 | 33.31 -0.65 0.00 | 29.29 -0.57 0.00 |
| PUCKETT__SOLAR 323809 | 42.85 0.06 0.00 | 33.91 -0.05 0.00 | 32.25 -0.04 0.00 | 31.07 -0.07 0.00 | 31.03 -0.06 0.00 | 30.63 -0.03 0.00 | 36.39 -0.03 0.00 | 33.51 -0.14 0.00 | 32.58 -0.39 0.00 | 34.03 -0.74 0.00 | 30.55 -0.79 0.00 | 28.89 -0.78 -0.62 | 26.75 -0.20 0.00 | 25.53 -0.15 0.00 | 23.04 -0.18 0.00 | 22.86 -0.11 -2.48 | 22.99 -0.07 0.00 | 24.71 0.10 0.00 | 32.96 0.35 0.00 | 44.42 0.83 0.00 | 54.91 1.06 -3.21 | 39.77 0.62 -0.17 | 34.40 0.44 0.00 | 30.32 0.44 -0.02 |
| PYRITES__HYD 24023 | 42.73 -0.06 0.00 | 33.88 -0.08 0.00 | 32.20 -0.09 0.00 | 31.10 -0.05 0.00 | 31.09 0.01 0.00 | 30.70 0.03 0.00 | 36.49 0.07 0.00 | 33.44 -0.22 0.00 | 32.39 -0.59 0.00 | 33.90 -0.86 0.00 | 30.49 -0.85 0.00 | 28.23 -0.83 0.00 | 26.13 -0.82 0.00 | 24.87 -0.81 0.00 | 22.50 -0.73 0.00 | 19.79 -0.70 0.00 | 22.28 -0.78 0.00 | 23.82 -0.80 0.00 | 31.75 -0.86 0.00 | 42.99 -0.60 0.00 | 50.36 -0.28 0.00 | 38.87 -0.11 0.00 | 33.88 -0.08 0.00 | 29.66 -0.20 0.00 |
| QUAKERRD_115KV_BK1 80622 | 40.90 -1.89 0.00 | 32.21 -1.75 0.00 | 30.64 -1.65 0.00 | 29.54 -1.60 0.00 | 29.44 -1.65 0.00 | 29.06 -1.61 0.00 | 34.54 -1.87 0.00 | 31.82 -1.84 0.00 | 31.17 -1.80 0.00 | 32.82 -1.95 0.00 | 29.67 -1.67 0.38 | 26.99 -1.69 0.00 | 25.42 -1.53 0.00 | 24.32 -1.37 0.00 | 21.95 -1.28 0.00 | 17.84 -1.13 1.51 | 21.89 -1.17 0.00 | 23.33 -1.28 0.00 | 30.78 -1.84 0.00 | 41.24 -2.35 0.00 | 46.05 -2.63 1.95 | 36.76 -2.11 0.10 | 32.13 -1.83 0.00 | 28.24 -1.60 0.01 |
| QUENSBRY_115KV_TB8 356137 | 45.12 2.33 0.00 | 35.79 1.83 0.00 | 34.03 1.74 0.00 | 32.72 1.58 0.00 | 32.67 1.58 0.00 | 32.34 1.67 0.00 | 38.34 1.92 0.00 | 35.41 1.76 0.00 | 34.49 1.52 0.00 | 35.99 1.23 0.00 | 32.16 0.82 0.00 | 29.86 0.80 0.00 | 27.65 0.70 0.00 | 26.26 0.57 0.00 | 23.69 0.47 0.00 | 21.03 0.55 0.00 | 23.85 0.78 0.00 | 25.82 1.20 0.00 | 34.49 1.88 0.00 | 46.31 2.72 0.00 | 53.77 3.13 0.00 | 41.21 2.23 0.00 | 35.86 1.89 0.00 | 31.43 1.57 0.00 |
| RAMAPO__LBMP 323565 | 44.47 1.68 0.00 | 35.39 1.43 0.00 | 33.62 1.34 0.00 | 32.36 1.21 0.00 | 32.28 1.19 0.00 | 31.84 1.17 0.00 | 37.80 1.38 0.00 | 35.17 1.51 0.00 | 34.60 1.63 0.00 | 36.59 1.83 0.00 | 33.11 1.78 0.00 | 30.91 1.76 -0.09 | 28.53 1.59 0.00 | 27.24 1.55 0.00 | 24.59 1.37 0.00 | 22.10 1.26 -0.37 | 24.45 1.39 0.00 | 26.13 1.51 0.00 | 34.46 1.84 0.00 | 45.83 2.25 0.00 | 53.65 2.54 -0.47 | 40.87 1.87 -0.03 | 35.51 1.55 0.00 | 31.29 1.42 0.00 |
| RANKINE____ 23646 | 40.16 -2.63 0.00 | 31.40 -2.56 0.00 | 29.97 -2.32 0.00 | 28.91 -2.23 0.00 | 28.79 -2.30 0.00 | 28.43 -2.24 0.00 | 33.84 -2.58 0.00 | 31.14 -2.51 0.00 | 30.74 -2.23 0.00 | 32.22 -2.55 0.00 | 29.44 -1.89 0.00 | 26.24 -2.01 0.81 | 25.01 -1.94 0.00 | 24.12 -1.56 0.00 | 21.69 -1.53 0.00 | 15.84 -1.39 3.26 | 21.68 -1.39 0.00 | 23.00 -1.62 0.00 | 29.93 -2.69 0.00 | 40.00 -3.58 0.00 | 42.48 -3.94 4.22 | 35.57 -3.18 0.23 | 31.40 -2.56 0.00 | 27.69 -2.14 0.03 |
| RAVENSWOOD_GT2_1 24244 | 44.75 1.95 0.00 | 35.63 1.67 0.00 | 33.85 1.56 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.07 1.40 0.00 | 38.02 1.60 0.00 | 35.41 1.76 0.00 | 34.89 1.92 0.00 | 36.95 2.18 0.00 | 33.45 2.11 0.00 | 31.14 2.08 0.00 | 28.88 1.93 0.00 | 27.59 1.90 0.00 | 24.91 1.69 0.00 | 22.02 1.54 0.00 | 24.74 1.68 0.00 | 26.42 1.80 0.00 | 34.80 2.18 0.00 | 46.15 2.57 0.00 | 53.53 2.89 0.00 | 41.15 2.18 0.00 | 35.82 1.86 0.00 | 31.53 1.67 0.00 |

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| RAVENSWOOD_GT_9 24257 | 44.75 1.96 0.00 | 35.63 1.67 0.00 | 33.85 1.56 0.00 | 32.57 1.43 0.00 | 32.49 1.40 0.00 | 32.07 1.40 0.00 | 38.03 1.61 0.00 | 35.41 1.76 0.00 | 34.89 1.92 0.00 | 36.95 2.18 0.00 | 33.45 2.11 0.00 | 31.14 2.08 0.00 | 28.88 1.93 0.00 | 27.59 1.90 0.00 | 24.91 1.69 0.00 | 22.02 1.54 0.00 | 24.74 1.68 0.00 | 26.41 1.80 0.00 | 34.80 2.18 0.00 | 46.16 2.57 0.00 | 53.53 2.89 0.00 | 41.15 2.18 0.00 | 35.82 1.86 0.00 | 31.53 1.68 0.00 |
| RAVENSWOOD___1 23533 | 44.72 1.93 0.00 | 35.66 1.70 0.00 | 33.87 1.58 0.00 | 32.60 1.46 0.00 | 32.51 1.42 0.00 | 32.08 1.41 0.00 | 38.03 1.61 0.00 | 35.43 1.78 0.00 | 34.92 1.95 0.00 | 36.99 2.22 0.00 | 33.49 2.16 0.00 | 31.18 2.13 0.00 | 28.94 2.00 0.00 | 27.64 1.95 0.00 | 24.95 1.72 0.00 | 22.06 1.58 0.00 | 24.79 1.73 0.00 | 26.46 1.85 0.00 | 34.84 2.22 0.00 | 46.13 2.54 0.00 | 53.46 2.83 0.00 | 41.15 2.17 0.00 | 35.83 1.87 0.00 | 31.57 1.71 0.00 |
| RAVENSWOOD___2 23534 | 44.71 1.92 0.00 | 35.65 1.69 0.00 | 33.86 1.58 0.00 | 32.59 1.44 0.00 | 32.49 1.41 0.00 | 32.07 1.40 0.00 | 38.01 1.59 0.00 | 35.43 1.77 0.00 | 34.92 1.95 0.00 | 36.97 2.20 0.00 | 33.48 2.14 0.00 | 31.17 2.12 0.00 | 28.92 1.98 0.00 | 27.63 1.95 0.00 | 24.94 1.71 0.00 | 22.05 1.56 0.00 | 24.78 1.72 0.00 | 26.46 1.85 0.00 | 34.82 2.21 0.00 | 46.12 2.53 0.00 | 53.45 2.81 0.00 | 41.14 2.16 0.00 | 35.81 1.85 0.00 | 31.55 1.70 0.00 |
| RAVENSWOOD___3 23535 | 44.76 1.97 0.00 | 35.65 1.69 0.00 | 33.86 1.57 0.00 | 32.60 1.45 0.00 | 32.50 1.41 0.00 | 32.07 1.41 0.00 | 38.04 1.62 0.00 | 35.43 1.77 0.00 | 34.90 1.93 0.00 | 36.96 2.20 0.00 | 33.46 2.13 0.00 | 31.15 2.09 0.00 | 28.88 1.94 0.00 | 27.59 1.91 0.00 | 24.92 1.69 0.00 | 22.02 1.54 0.00 | 24.75 1.69 0.00 | 26.43 1.81 0.00 | 34.80 2.19 0.00 | 46.18 2.60 0.00 | 53.55 2.91 0.00 | 41.16 2.19 0.00 | 35.83 1.87 0.00 | 31.55 1.69 0.00 |
| RAVENSWOOD___4 23820 | 44.71 1.92 0.00 | 35.65 1.69 0.00 | 33.86 1.58 0.00 | 32.59 1.44 0.00 | 32.49 1.41 0.00 | 32.07 1.40 0.00 | 38.01 1.59 0.00 | 35.43 1.77 0.00 | 34.92 1.95 0.00 | 36.97 2.20 0.00 | 33.48 2.14 0.00 | 31.17 2.12 0.00 | 28.92 1.98 0.00 | 27.63 1.95 0.00 | 24.94 1.71 0.00 | 22.05 1.56 0.00 | 24.78 1.72 0.00 | 26.46 1.85 0.00 | 34.82 2.21 0.00 | 46.12 2.53 0.00 | 53.45 2.81 0.00 | 41.14 2.16 0.00 | 35.81 1.85 0.00 | 31.55 1.70 0.00 |
| RCPI_TRUST___DRP 24196 | 44.79 1.99 0.00 | 35.66 1.70 0.00 | 33.87 1.58 0.00 | 32.60 1.45 0.00 | 32.52 1.42 0.00 | 32.09 1.42 0.00 | 38.06 1.64 0.00 | 35.45 1.79 0.00 | 34.92 1.95 0.00 | 36.98 2.22 0.00 | 33.48 2.14 0.00 | 31.15 2.10 0.00 | 28.89 1.94 0.00 | 27.59 1.90 0.00 | 24.91 1.69 0.00 | 22.02 1.54 0.00 | 24.75 1.69 0.00 | 26.43 1.81 0.00 | 34.81 2.20 0.00 | 46.20 2.62 0.00 | 53.58 2.94 0.00 | 41.19 2.22 0.00 | 35.84 1.88 0.00 | 31.55 1.70 0.00 |
| RED___ROCHESTER 323720 | 41.84 -0.95 0.00 | 32.90 -1.06 0.00 | 31.31 -0.97 0.00 | 30.20 -0.94 0.00 | 30.10 -0.99 0.00 | 29.72 -0.94 0.00 | 35.34 -1.08 0.00 | 32.54 -1.12 0.00 | 31.91 -1.07 0.00 | 33.57 -1.20 0.00 | 30.38 -0.96 0.00 | 27.58 -1.06 0.42 | 25.99 -0.95 0.00 | 24.90 -0.79 0.00 | 22.46 -0.76 0.00 | 18.12 -0.68 1.69 | 22.45 -0.62 0.00 | 23.92 -0.70 0.00 | 31.51 -1.10 0.00 | 42.26 -1.32 0.00 | 47.03 -1.42 2.19 | 37.67 -1.19 0.12 | 32.93 -1.03 0.00 | 28.95 -0.90 0.01 |
| REGAN___SOLAR 323812 | 44.84 2.05 0.00 | 35.55 1.60 0.00 | 33.77 1.48 0.00 | 32.56 1.41 0.00 | 32.50 1.41 0.00 | 32.11 1.44 0.00 | 38.11 1.69 0.00 | 34.92 1.26 0.00 | 33.77 0.79 0.00 | 34.73 -0.04 0.00 | 31.06 -0.27 0.00 | 28.80 -0.25 0.00 | 26.66 -0.29 0.00 | 25.40 -0.29 0.00 | 22.98 -0.24 0.00 | 20.30 -0.19 0.00 | 22.87 -0.19 0.00 | 24.62 0.00 0.00 | 33.56 0.94 0.00 | 45.82 2.24 0.00 | 53.42 2.78 0.00 | 41.02 2.05 0.00 | 35.66 1.70 0.00 | 31.28 1.42 0.00 |
| RENSSELAER___COGEN 23796 | 43.46 0.67 0.00 | 34.64 0.68 0.00 | 32.93 0.64 0.00 | 31.77 0.63 0.00 | 31.71 0.62 0.00 | 31.25 0.58 0.00 | 37.08 0.67 0.00 | 34.34 0.68 0.00 | 33.63 0.66 0.00 | 35.39 0.63 0.00 | 31.90 0.56 0.00 | 29.62 0.57 0.00 | 27.46 0.52 0.00 | 26.14 0.45 0.00 | 23.66 0.43 0.00 | 20.92 0.44 0.00 | 23.57 0.51 0.00 | 25.24 0.62 0.00 | 33.38 0.77 0.00 | 44.52 0.94 0.00 | 51.67 1.03 0.00 | 39.80 0.82 0.00 | 34.69 0.73 0.00 | 30.54 0.68 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 47.13 4.34 0.00 | 37.29 3.33 0.00 | 35.69 3.40 0.00 | 34.01 2.87 0.00 | 33.95 2.86 0.00 | 33.80 3.14 0.00 | 40.09 3.68 0.00 | 36.76 3.10 0.00 | 35.67 2.70 0.00 | 37.02 2.26 0.00 | 32.70 1.37 0.00 | 30.53 1.47 0.00 | 28.20 1.26 0.00 | 26.66 0.97 0.00 | 23.93 0.70 0.00 | 21.37 0.89 0.00 | 24.41 1.35 0.00 | 26.67 2.06 0.00 | 35.71 3.10 0.00 | 48.18 4.59 0.00 | 55.97 5.33 0.00 | 42.76 3.78 0.00 | 37.26 3.30 0.00 | 32.60 2.74 0.00 |
| REVERE_CPPR_DRP 24186 | 43.76 0.97 0.00 | 34.64 0.68 0.00 | 32.91 0.63 0.00 | 31.78 0.64 0.00 | 31.74 0.65 0.00 | 31.34 0.67 0.00 | 37.22 0.80 0.00 | 34.19 0.54 0.00 | 33.11 0.14 0.00 | 34.59 -0.18 0.00 | 31.02 -0.31 0.00 | 28.74 -0.31 0.00 | 26.75 -0.20 0.00 | 25.52 -0.17 0.00 | 23.04 -0.18 0.00 | 20.31 -0.17 0.00 | 22.93 -0.13 0.00 | 24.61 -0.01 0.00 | 33.08 0.46 0.00 | 44.86 1.28 0.00 | 52.33 1.69 0.00 | 40.10 1.13 0.00 | 34.89 0.93 0.00 | 30.62 0.77 0.00 |
| REYNLDPA_13_KV_LD 356490 | 43.09 0.29 0.00 | 34.17 0.21 0.00 | 32.49 0.20 0.00 | 31.36 0.21 0.00 | 31.33 0.24 0.00 | 30.90 0.23 0.00 | 36.73 0.32 0.00 | 33.88 0.22 0.00 | 33.18 0.21 0.00 | 34.92 0.16 0.00 | 31.44 0.11 0.00 | 29.12 0.07 0.00 | 26.97 0.03 0.00 | 25.69 0.01 0.00 | 23.24 0.02 0.00 | 20.45 -0.04 0.00 | 23.02 -0.04 0.00 | 24.58 -0.03 0.00 | 32.66 0.04 0.00 | 43.57 -0.01 0.00 | 50.49 -0.15 0.00 | 39.02 0.04 0.00 | 34.08 0.12 0.00 | 29.94 0.08 0.00 |
| REYNOLDS_115KV_TB3 80639 | 43.84 1.05 0.00 | 34.91 0.96 0.00 | 33.19 0.90 0.00 | 32.03 0.89 0.00 | 31.97 0.88 0.00 | 31.50 0.83 0.00 | 37.37 0.95 0.00 | 34.61 0.95 0.00 | 33.90 0.93 0.00 | 35.68 0.92 0.00 | 32.16 0.82 0.00 | 29.88 0.82 0.00 | 27.68 0.74 0.00 | 26.35 0.66 0.00 | 23.83 0.61 0.00 | 21.08 0.59 0.00 | 23.76 0.70 0.00 | 25.43 0.81 0.00 | 33.63 1.02 0.00 | 44.88 1.29 0.00 | 52.08 1.44 0.00 | 40.10 1.13 0.00 | 34.95 1.00 0.00 | 30.77 0.92 0.00 |
| RIVERBAY___ 323610 | 45.74 2.95 0.00 | 36.45 2.50 0.00 | 34.64 2.36 0.00 | 33.33 2.19 0.00 | 33.22 2.13 0.00 | 32.77 2.11 0.00 | 38.91 2.49 0.00 | 36.27 2.61 0.00 | 35.76 2.79 0.00 | 37.89 3.13 0.00 | 34.27 2.93 0.00 | 31.85 2.80 0.00 | 29.51 2.57 0.00 | 28.18 2.50 0.00 | 25.41 2.19 0.00 | 22.46 1.98 0.00 | 25.22 2.16 0.00 | 26.98 2.37 0.00 | 35.54 2.93 0.00 | 47.18 3.60 0.00 | 54.57 3.93 0.00 | 41.95 2.98 0.00 | 36.52 2.56 0.00 | 32.25 2.39 0.00 |
| RIVERSDE_115KV_TB3 55908 | 43.65 0.86 0.00 | 34.78 0.82 0.00 | 33.07 0.78 0.00 | 31.90 0.76 0.00 | 31.84 0.75 0.00 | 31.38 0.71 0.00 | 37.23 0.81 0.00 | 34.47 0.81 0.00 | 33.76 0.79 0.00 | 35.53 0.77 0.00 | 32.01 0.67 0.00 | 29.74 0.68 0.00 | 27.57 0.62 0.00 | 26.24 0.55 0.00 | 23.74 0.51 0.00 | 21.00 0.51 0.00 | 23.67 0.61 0.00 | 25.34 0.73 0.00 | 33.52 0.91 0.00 | 44.73 1.14 0.00 | 51.89 1.26 0.00 | 39.97 0.99 0.00 | 34.83 0.87 0.00 | 30.66 0.81 0.00 |

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| ROARING___BROOK_WT_PWR 323790 | 42.78 -0.01 0.00 | 33.94 -0.02 0.00 | 32.25 -0.03 0.00 | 31.13 -0.02 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.42 0.00 0.00 | 33.66 0.00 0.00 | 32.96 0.00 0.00 | 34.73 -0.03 0.00 | 31.31 -0.03 0.00 | 29.03 -0.03 0.00 | 26.89 -0.05 0.00 | 25.64 -0.05 0.00 | 23.16 -0.06 0.00 | 20.42 -0.06 0.00 | 22.98 -0.08 0.00 | 24.50 -0.12 0.00 | 32.44 -0.17 0.00 | 43.36 -0.22 0.00 | 50.38 -0.26 0.00 | 38.76 -0.22 0.00 | 33.74 -0.22 0.00 | 29.69 -0.17 0.00 |
| ROCHESRG_115KV_T4 355643 | 41.36 -1.43 0.00 | 32.55 -1.41 0.00 | 30.98 -1.31 0.00 | 29.89 -1.25 0.00 | 29.78 -1.31 0.00 | 29.41 -1.25 0.00 | 34.97 -1.44 0.00 | 32.20 -1.46 0.00 | 31.60 -1.37 0.00 | 33.25 -1.51 0.00 | 30.10 -1.23 0.00 | 27.35 -1.30 0.41 | 25.77 -1.17 0.00 | 24.69 -0.99 0.00 | 22.28 -0.95 0.00 | 17.99 -0.85 1.65 | 22.23 -0.84 0.00 | 23.67 -0.95 0.00 | 31.15 -1.47 0.00 | 41.74 -1.84 0.00 | 46.49 -2.01 2.14 | 37.22 -1.65 0.11 | 32.57 -1.40 0.00 | 28.64 -1.20 0.01 |
| ROCHESTER_9_IC 23652 | 41.65 -1.14 0.00 | 32.76 -1.20 0.00 | 31.18 -1.11 0.00 | 30.08 -1.07 0.00 | 29.97 -1.12 0.00 | 29.60 -1.07 0.00 | 35.19 -1.23 0.00 | 32.40 -1.26 0.00 | 31.79 -1.18 0.00 | 33.44 -1.32 0.00 | 30.27 -1.07 0.00 | 27.48 -1.16 0.42 | 25.90 -1.04 0.00 | 24.82 -0.87 0.00 | 22.38 -0.84 0.00 | 18.04 -0.75 1.69 | 22.36 -0.70 0.00 | 23.81 -0.80 0.00 | 31.36 -1.25 0.00 | 42.05 -1.53 0.00 | 46.81 -1.64 2.19 | 37.49 -1.37 0.12 | 32.80 -1.16 0.00 | 28.83 -1.02 0.01 |
| ROCKVIEW_13_KV_LD 356306 | 44.86 2.07 0.00 | 35.72 1.76 0.00 | 33.92 1.64 0.00 | 32.65 1.51 0.00 | 32.56 1.47 0.00 | 32.14 1.47 0.00 | 38.11 1.70 0.00 | 35.47 1.82 0.00 | 34.94 1.97 0.00 | 36.98 2.22 0.00 | 33.47 2.13 0.00 | 31.15 2.09 0.00 | 28.87 1.92 0.00 | 27.56 1.87 0.00 | 24.88 1.65 0.00 | 21.99 1.51 0.00 | 24.74 1.68 0.00 | 26.43 1.82 0.00 | 34.85 2.24 0.00 | 46.28 2.69 0.00 | 53.68 3.04 0.00 | 41.25 2.27 0.00 | 35.88 1.92 0.00 | 31.59 1.73 0.00 |
| ROME___115KV_TB2 80656 | 43.76 0.97 0.00 | 34.64 0.68 0.00 | 32.91 0.63 0.00 | 31.78 0.64 0.00 | 31.74 0.65 0.00 | 31.34 0.67 0.00 | 37.22 0.80 0.00 | 34.19 0.54 0.00 | 33.11 0.14 0.00 | 34.59 -0.18 0.00 | 31.02 -0.31 0.00 | 28.74 -0.31 0.00 | 26.75 -0.20 0.00 | 25.52 -0.17 0.00 | 23.04 -0.18 0.00 | 20.31 -0.17 0.00 | 22.93 -0.13 0.00 | 24.61 -0.01 0.00 | 33.08 0.46 0.00 | 44.86 1.28 0.00 | 52.33 1.69 0.00 | 40.10 1.13 0.00 | 34.89 0.93 0.00 | 30.62 0.77 0.00 |
| ROSETON___1 23587 | 44.43 1.64 0.00 | 35.37 1.41 0.00 | 33.60 1.31 0.00 | 32.34 1.20 0.00 | 32.26 1.17 0.00 | 31.83 1.17 0.00 | 37.78 1.36 0.00 | 35.11 1.45 0.00 | 34.53 1.56 0.00 | 36.50 1.73 0.00 | 32.98 1.64 0.00 | 30.68 1.62 0.00 | 28.41 1.47 0.00 | 27.11 1.43 0.00 | 24.48 1.25 0.00 | 21.65 1.16 0.00 | 24.36 1.29 0.00 | 26.04 1.43 0.00 | 34.36 1.75 0.00 | 45.71 2.13 0.00 | 53.05 2.42 0.00 | 40.77 1.79 0.00 | 35.46 1.50 0.00 | 31.20 1.34 0.00 |
| ROSETON___2 23588 | 44.43 1.64 0.00 | 35.37 1.41 0.00 | 33.60 1.31 0.00 | 32.34 1.20 0.00 | 32.26 1.17 0.00 | 31.83 1.17 0.00 | 37.78 1.36 0.00 | 35.11 1.45 0.00 | 34.53 1.56 0.00 | 36.50 1.73 0.00 | 32.98 1.64 0.00 | 30.68 1.62 0.00 | 28.41 1.47 0.00 | 27.11 1.43 0.00 | 24.48 1.25 0.00 | 21.65 1.16 0.00 | 24.36 1.29 0.00 | 26.04 1.43 0.00 | 34.36 1.75 0.00 | 45.71 2.13 0.00 | 53.05 2.42 0.00 | 40.77 1.79 0.00 | 35.46 1.50 0.00 | 31.20 1.34 0.00 |
| ROTTRDAM_115KV_TB3 80664 | 43.92 1.13 0.00 | 34.88 0.93 0.00 | 33.16 0.87 0.00 | 31.98 0.83 0.00 | 31.92 0.83 0.00 | 31.49 0.82 0.00 | 37.37 0.95 0.00 | 34.55 0.89 0.00 | 33.79 0.82 0.00 | 35.52 0.76 0.00 | 31.99 0.65 0.00 | 29.69 0.64 0.00 | 27.50 0.56 0.00 | 26.20 0.51 0.00 | 23.69 0.47 0.00 | 20.94 0.46 0.00 | 23.59 0.53 0.00 | 25.27 0.65 0.00 | 33.54 0.92 0.00 | 44.90 1.31 0.00 | 52.16 1.52 0.00 | 40.11 1.13 0.00 | 34.93 0.97 0.00 | 30.71 0.85 0.00 |
| RUSSELL___1 23602 | 41.84 -0.95 0.00 | 32.90 -1.06 0.00 | 31.31 -0.98 0.00 | 30.20 -0.95 0.00 | 30.10 -0.99 0.00 | 29.72 -0.94 0.00 | 35.34 -1.08 0.00 | 32.53 -1.13 0.00 | 31.91 -1.06 0.00 | 33.57 -1.19 0.00 | 30.38 -0.96 0.00 | 27.58 -1.05 0.42 | 26.00 -0.95 0.00 | 24.90 -0.78 0.00 | 22.46 -0.76 0.00 | 18.12 -0.68 1.69 | 22.45 -0.62 0.00 | 23.92 -0.70 0.00 | 31.52 -1.10 0.00 | 42.26 -1.32 0.00 | 47.05 -1.41 2.19 | 37.67 -1.19 0.12 | 32.95 -1.01 0.00 | 28.95 -0.90 0.01 |
| RUSSELL___2 23532 | 41.84 -0.95 0.00 | 32.90 -1.06 0.00 | 31.31 -0.98 0.00 | 30.20 -0.95 0.00 | 30.10 -0.99 0.00 | 29.72 -0.94 0.00 | 35.34 -1.08 0.00 | 32.53 -1.13 0.00 | 31.91 -1.06 0.00 | 33.57 -1.19 0.00 | 30.38 -0.96 0.00 | 27.58 -1.05 0.42 | 26.00 -0.95 0.00 | 24.90 -0.78 0.00 | 22.46 -0.76 0.00 | 18.12 -0.68 1.69 | 22.45 -0.62 0.00 | 23.92 -0.70 0.00 | 31.52 -1.10 0.00 | 42.26 -1.32 0.00 | 47.05 -1.41 2.19 | 37.67 -1.19 0.12 | 32.95 -1.01 0.00 | 28.95 -0.90 0.01 |
| RUSSELL___3 23549 | 41.84 -0.95 0.00 | 32.90 -1.06 0.00 | 31.31 -0.98 0.00 | 30.20 -0.95 0.00 | 30.10 -0.99 0.00 | 29.72 -0.94 0.00 | 35.34 -1.08 0.00 | 32.53 -1.13 0.00 | 31.91 -1.06 0.00 | 33.57 -1.19 0.00 | 30.38 -0.96 0.00 | 27.58 -1.05 0.42 | 26.00 -0.95 0.00 | 24.90 -0.78 0.00 | 22.46 -0.76 0.00 | 18.12 -0.68 1.69 | 22.45 -0.62 0.00 | 23.92 -0.70 0.00 | 31.52 -1.10 0.00 | 42.26 -1.32 0.00 | 47.05 -1.41 2.19 | 37.67 -1.19 0.12 | 32.95 -1.01 0.00 | 28.95 -0.90 0.01 |
| RUSSELL___4 23556 | 41.84 -0.95 0.00 | 32.90 -1.06 0.00 | 31.31 -0.98 0.00 | 30.20 -0.95 0.00 | 30.10 -0.99 0.00 | 29.72 -0.94 0.00 | 35.34 -1.08 0.00 | 32.53 -1.13 0.00 | 31.91 -1.06 0.00 | 33.57 -1.19 0.00 | 30.38 -0.96 0.00 | 27.58 -1.05 0.42 | 26.00 -0.95 0.00 | 24.90 -0.78 0.00 | 22.46 -0.76 0.00 | 18.12 -0.68 1.69 | 22.45 -0.62 0.00 | 23.92 -0.70 0.00 | 31.52 -1.10 0.00 | 42.26 -1.32 0.00 | 47.05 -1.41 2.19 | 37.67 -1.19 0.12 | 32.95 -1.01 0.00 | 28.95 -0.90 0.01 |
| RUSSELL___STATION 23914 | 41.84 -0.95 0.00 | 32.90 -1.06 0.00 | 31.31 -0.98 0.00 | 30.20 -0.95 0.00 | 30.10 -0.99 0.00 | 29.72 -0.94 0.00 | 35.34 -1.08 0.00 | 32.53 -1.13 0.00 | 31.91 -1.06 0.00 | 33.57 -1.19 0.00 | 30.38 -0.96 0.00 | 27.58 -1.05 0.42 | 26.00 -0.95 0.00 | 24.90 -0.78 0.00 | 22.46 -0.76 0.00 | 18.12 -0.68 1.69 | 22.45 -0.62 0.00 | 23.92 -0.70 0.00 | 31.52 -1.10 0.00 | 42.26 -1.32 0.00 | 47.05 -1.41 2.19 | 37.67 -1.19 0.12 | 32.95 -1.01 0.00 | 28.95 -0.90 0.01 |
| S SALMON___HYD 24043 | 41.51 -1.28 0.00 | 32.86 -1.10 0.00 | 31.29 -1.00 0.00 | 30.29 -0.86 0.00 | 30.30 -0.78 0.00 | 29.83 -0.84 0.00 | 35.22 -1.20 0.00 | 32.18 -1.48 0.00 | 30.84 -2.13 0.00 | 32.30 -2.46 0.00 | 29.15 -2.19 0.00 | 26.98 -2.07 0.00 | 25.11 -1.83 0.00 | 23.99 -1.69 0.00 | 21.68 -1.55 0.00 | 19.13 -1.35 0.00 | 21.41 -1.65 0.00 | 22.77 -1.85 0.00 | 30.59 -2.03 0.00 | 41.82 -1.76 0.00 | 49.54 -1.10 0.00 | 37.92 -1.05 0.00 | 33.08 -0.88 0.00 | 29.06 -0.80 0.00 |
| S.PERRY___115KV_TB1 80734 | 42.47 -0.33 0.00 | 33.37 -0.59 0.00 | 31.81 -0.48 0.00 | 30.67 -0.47 0.00 | 30.57 -0.52 0.00 | 30.19 -0.48 0.00 | 35.91 -0.51 0.00 | 32.96 -0.70 0.00 | 32.35 -0.62 0.00 | 33.82 -0.95 0.00 | 30.41 -0.93 0.00 | 26.89 -1.31 0.85 | 25.73 -1.21 0.00 | 24.73 -0.95 0.00 | 22.21 -1.01 0.00 | 16.13 -0.94 3.41 | 22.28 -0.78 0.00 | 23.78 -0.83 0.00 | 31.55 -1.07 0.00 | 42.99 -0.59 0.00 | 45.88 -0.34 4.42 | 38.30 -0.44 0.24 | 33.57 -0.39 0.00 | 29.43 -0.40 0.03 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 39.90 -2.89 0.00 | 31.18 -2.78 0.00 | 29.76 -2.52 0.00 | 28.73 -2.42 0.00 | 28.59 -2.50 0.00 | 28.24 -2.43 0.00 | 33.62 -2.80 0.00 | 30.90 -2.76 0.00 | 30.52 -2.46 0.00 | 32.01 -2.76 0.00 | 29.30 -2.03 0.00 | 26.17 -2.12 0.77 | 24.90 -2.04 0.00 | 24.02 -1.67 0.00 | 21.63 -1.59 0.00 | 15.96 -1.45 3.08 | 21.60 -1.46 0.00 | 22.86 -1.75 0.00 | 29.69 -2.93 0.00 | 39.64 -3.94 0.00 | 42.31 -4.34 3.98 | 35.29 -3.48 0.21 | 31.17 -2.79 0.00 | 27.50 -2.34 0.03 |
| SAWYER__23_KV_LOAD 55526 | 39.90 -2.89 0.00 | 31.18 -2.78 0.00 | 29.76 -2.52 0.00 | 28.73 -2.42 0.00 | 28.59 -2.50 0.00 | 28.24 -2.43 0.00 | 33.62 -2.80 0.00 | 30.90 -2.76 0.00 | 30.52 -2.46 0.00 | 32.01 -2.76 0.00 | 29.30 -2.03 0.00 | 26.17 -2.12 0.77 | 24.90 -2.04 0.00 | 24.02 -1.67 0.00 | 21.63 -1.59 0.00 | 15.96 -1.45 3.08 | 21.60 -1.46 0.00 | 22.86 -1.75 0.00 | 29.69 -2.93 0.00 | 39.64 -3.94 0.00 | 42.31 -4.34 3.98 | 35.29 -3.48 0.21 | 31.17 -2.79 0.00 | 27.50 -2.34 0.03 |
| SELKIRK__I 23801 | 43.83 1.04 0.00 | 34.89 0.94 0.00 | 33.16 0.88 0.00 | 32.00 0.86 0.00 | 31.92 0.83 0.00 | 31.48 0.80 0.00 | 37.34 0.93 0.00 | 34.52 0.86 0.00 | 33.76 0.79 0.00 | 35.49 0.72 0.00 | 31.93 0.59 0.00 | 29.65 0.59 0.00 | 27.47 0.52 0.00 | 26.16 0.47 0.00 | 23.67 0.44 0.00 | 20.93 0.44 0.00 | 23.59 0.53 0.00 | 25.28 0.66 0.00 | 33.54 0.93 0.00 | 44.82 1.23 0.00 | 52.03 1.39 0.00 | 40.06 1.08 0.00 | 34.91 0.95 0.00 | 30.73 0.87 0.00 |
| SELKIRK__II 23799 | 43.61 0.82 0.00 | 34.73 0.77 0.00 | 33.01 0.72 0.00 | 31.84 0.69 0.00 | 31.78 0.69 0.00 | 31.33 0.66 0.00 | 37.17 0.75 0.00 | 34.42 0.77 0.00 | 33.73 0.76 0.00 | 35.52 0.75 0.00 | 32.01 0.67 0.00 | 29.73 0.68 0.00 | 27.55 0.61 0.00 | 26.24 0.55 0.00 | 23.74 0.51 0.00 | 20.98 0.50 0.00 | 23.63 0.57 0.00 | 25.29 0.67 0.00 | 33.46 0.85 0.00 | 44.63 1.05 0.00 | 51.82 1.18 0.00 | 39.90 0.92 0.00 | 34.77 0.81 0.00 | 30.60 0.74 0.00 |
| SENECA OSWGO__HYD 24041 | 41.19 -1.61 0.00 | 32.63 -1.33 0.00 | 31.03 -1.26 0.00 | 29.94 -1.21 0.00 | 29.88 -1.21 0.00 | 29.49 -1.17 0.00 | 35.00 -1.41 0.00 | 32.32 -1.34 0.00 | 31.62 -1.35 0.00 | 33.40 -1.36 0.00 | 30.11 -1.23 0.00 | 27.88 -1.17 0.00 | 25.97 -0.98 0.00 | 24.77 -0.92 0.00 | 22.38 -0.84 0.00 | 19.75 -0.73 0.00 | 22.22 -0.85 0.00 | 23.69 -0.93 0.00 | 31.37 -1.24 0.00 | 42.04 -1.54 0.00 | 48.90 -1.74 0.00 | 37.60 -1.37 0.00 | 32.74 -1.22 0.00 | 28.78 -1.08 0.00 |
| SENECA__115KV_TB3 355854 | 40.21 -2.58 0.00 | 31.43 -2.52 0.00 | 30.02 -2.27 0.00 | 28.96 -2.18 0.00 | 28.83 -2.26 0.00 | 28.47 -2.20 0.00 | 33.89 -2.53 0.00 | 31.20 -2.46 0.00 | 30.78 -2.20 0.00 | 32.25 -2.51 0.00 | 29.48 -1.86 0.00 | 26.26 -1.98 0.81 | 25.04 -1.90 0.00 | 24.15 -1.53 0.00 | 21.72 -1.50 0.00 | 15.85 -1.37 3.26 | 21.71 -1.36 0.00 | 23.02 -1.59 0.00 | 29.96 -2.65 0.00 | 40.06 -3.53 0.00 | 42.52 -3.90 4.22 | 35.60 -3.15 0.23 | 31.41 -2.55 0.00 | 27.72 -2.11 0.03 |
| SENECA__ENERGY 23797 | 41.86 -0.94 0.00 | 33.05 -0.91 0.00 | 31.45 -0.83 0.00 | 30.33 -0.81 0.00 | 30.25 -0.84 0.00 | 29.87 -0.80 0.00 | 35.48 -0.93 0.00 | 32.71 -0.95 0.00 | 31.91 -1.06 0.00 | 33.49 -1.27 0.00 | 30.18 -1.15 0.00 | 27.58 -1.16 0.32 | 26.04 -0.90 0.00 | 24.90 -0.79 0.00 | 22.45 -0.78 0.00 | 18.52 -0.70 1.27 | 22.35 -0.72 0.00 | 23.93 -0.69 0.00 | 31.70 -0.91 0.00 | 42.67 -0.91 0.00 | 48.05 -0.95 1.64 | 38.06 -0.83 0.09 | 33.19 -0.77 0.00 | 29.18 -0.67 0.01 |
| SHOEMAKER__GT 23640 | 44.58 1.79 0.00 | 35.46 1.50 0.00 | 33.68 1.40 0.00 | 32.43 1.28 0.00 | 32.34 1.26 0.00 | 31.92 1.25 0.00 | 37.87 1.45 0.00 | 35.18 1.53 0.00 | 34.57 1.60 0.00 | 36.49 1.73 0.00 | 32.93 1.60 0.00 | 30.67 1.52 -0.10 | 28.26 1.32 0.00 | 26.98 1.29 0.00 | 24.36 1.14 0.00 | 21.92 1.05 -0.39 | 24.24 1.18 0.00 | 25.96 1.34 0.00 | 34.33 1.72 0.00 | 45.75 2.17 0.00 | 53.64 2.50 -0.50 | 40.83 1.83 -0.03 | 35.46 1.50 0.00 | 31.19 1.33 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 44.54 1.75 0.00 | 35.43 1.47 0.00 | 33.66 1.38 0.00 | 32.40 1.26 0.00 | 32.32 1.23 0.00 | 31.90 1.23 0.00 | 37.85 1.44 0.00 | 35.17 1.51 0.00 | 34.56 1.59 0.00 | 36.50 1.73 0.00 | 32.95 1.61 0.00 | 30.69 1.54 -0.10 | 28.29 1.35 0.00 | 27.00 1.32 0.00 | 24.39 1.16 0.00 | 21.95 1.08 -0.39 | 24.27 1.21 0.00 | 25.98 1.36 0.00 | 34.34 1.73 0.00 | 45.74 2.16 0.00 | 53.61 2.47 -0.50 | 40.82 1.81 -0.03 | 35.44 1.48 0.00 | 31.18 1.32 0.00 |
| SHOREHAM_IC_1 23715 | 44.78 1.99 0.00 | 36.09 2.13 0.00 | 34.39 2.10 -0.01 | 33.23 2.09 0.00 | 33.08 1.99 0.00 | 32.68 2.02 0.00 | 38.51 2.10 0.00 | 34.99 1.34 0.00 | 36.65 1.95 -1.72 | 53.45 2.27 -16.42 | 45.97 1.76 -12.86 | 41.53 1.72 -10.75 | 31.69 1.64 -3.11 | 27.00 1.31 0.00 | 24.49 1.27 0.00 | 21.67 1.19 0.00 | 25.10 1.99 -0.04 | 38.38 2.24 -11.53 | 106.38 2.81 -70.95 | 102.99 3.08 -56.33 | 94.11 3.93 -39.54 | 79.84 3.05 -37.81 | 53.77 2.53 -17.28 | 46.37 2.16 -14.35 |
| SHOREHAM_IC_2 23716 | 44.78 1.99 0.00 | 36.09 2.13 0.00 | 34.39 2.10 -0.01 | 33.23 2.09 0.00 | 33.08 1.99 0.00 | 32.68 2.02 0.00 | 38.51 2.10 0.00 | 34.99 1.34 0.00 | 36.65 1.95 -1.72 | 53.45 2.27 -16.42 | 45.97 1.76 -12.86 | 41.53 1.72 -10.75 | 31.69 1.64 -3.11 | 27.00 1.31 0.00 | 24.49 1.27 0.00 | 21.67 1.19 0.00 | 25.10 1.99 -0.04 | 38.38 2.24 -11.53 | 106.38 2.81 -70.95 | 102.99 3.08 -56.33 | 94.11 3.93 -39.54 | 79.84 3.05 -37.81 | 53.77 2.53 -17.28 | 46.37 2.16 -14.35 |
| SISSONVILLE__ 23735 | 41.67 -1.12 0.00 | 33.04 -0.91 0.00 | 31.41 -0.88 0.00 | 30.34 -0.81 0.00 | 30.34 -0.75 0.00 | 29.94 -0.73 0.00 | 35.60 -0.82 0.00 | 32.71 -0.95 0.00 | 31.84 -1.13 0.00 | 33.42 -1.34 0.00 | 30.05 -1.29 0.00 | 27.82 -1.23 0.00 | 25.75 -1.19 0.00 | 24.52 -1.17 0.00 | 22.17 -1.06 0.00 | 19.50 -0.98 0.00 | 21.96 -1.11 0.00 | 23.47 -1.15 0.00 | 31.29 -1.32 0.00 | 42.08 -1.51 0.00 | 49.09 -1.55 0.00 | 37.86 -1.11 0.00 | 33.03 -0.93 0.00 | 28.96 -0.90 0.00 |
| SITHE_IND_GS1 24169 | 41.13 -1.66 0.00 | 32.60 -1.36 0.00 | 31.00 -1.29 0.00 | 29.92 -1.23 0.00 | 29.85 -1.23 0.00 | 29.46 -1.20 0.00 | 34.98 -1.44 0.00 | 32.31 -1.35 0.00 | 31.64 -1.33 0.00 | 33.48 -1.28 0.00 | 30.19 -1.15 0.00 | 27.97 -1.08 0.00 | 26.03 -0.91 0.00 | 24.84 -0.85 0.00 | 22.45 -0.78 0.00 | 19.80 -0.68 0.00 | 22.27 -0.79 0.00 | 23.71 -0.91 0.00 | 31.33 -1.29 0.00 | 41.90 -1.69 0.00 | 48.69 -1.95 0.00 | 37.47 -1.51 0.00 | 32.64 -1.32 0.00 | 28.70 -1.16 0.00 |
| SITHE_IND_GS2 24170 | 41.13 -1.66 0.00 | 32.60 -1.36 0.00 | 31.00 -1.29 0.00 | 29.92 -1.23 0.00 | 29.85 -1.23 0.00 | 29.46 -1.20 0.00 | 34.98 -1.44 0.00 | 32.31 -1.35 0.00 | 31.64 -1.33 0.00 | 33.48 -1.28 0.00 | 30.19 -1.15 0.00 | 27.97 -1.08 0.00 | 26.03 -0.91 0.00 | 24.84 -0.85 0.00 | 22.45 -0.78 0.00 | 19.80 -0.68 0.00 | 22.27 -0.79 0.00 | 23.71 -0.91 0.00 | 31.33 -1.29 0.00 | 41.90 -1.69 0.00 | 48.69 -1.95 0.00 | 37.47 -1.51 0.00 | 32.64 -1.32 0.00 | 28.70 -1.16 0.00 |
| SITHE_IND_GS3 24171 | 41.13 -1.66 0.00 | 32.60 -1.36 0.00 | 31.00 -1.29 0.00 | 29.92 -1.23 0.00 | 29.85 -1.23 0.00 | 29.46 -1.20 0.00 | 34.98 -1.44 0.00 | 32.31 -1.35 0.00 | 31.64 -1.33 0.00 | 33.48 -1.28 0.00 | 30.19 -1.15 0.00 | 27.97 -1.08 0.00 | 26.03 -0.91 0.00 | 24.84 -0.85 0.00 | 22.45 -0.78 0.00 | 19.80 -0.68 0.00 | 22.27 -0.79 0.00 | 23.71 -0.91 0.00 | 31.33 -1.29 0.00 | 41.90 -1.69 0.00 | 48.69 -1.95 0.00 | 37.47 -1.51 0.00 | 32.64 -1.32 0.00 | 28.70 -1.16 0.00 |

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| SITHE_IND_GS4 24172 | 41.13 -1.66 0.00 | 32.60 -1.36 0.00 | 31.00 -1.29 0.00 | 29.92 -1.23 0.00 | 29.85 -1.23 0.00 | 29.46 -1.20 0.00 | 34.98 -1.44 0.00 | 32.31 -1.35 0.00 | 31.64 -1.33 0.00 | 33.48 -1.28 0.00 | 30.19 -1.15 0.00 | 27.97 -1.08 0.00 | 26.03 -0.91 0.00 | 24.84 -0.85 0.00 | 22.45 -0.78 0.00 | 19.80 -0.68 0.00 | 22.27 -0.79 0.00 | 23.71 -0.91 0.00 | 31.33 -1.29 0.00 | 41.90 -1.69 0.00 | 48.69 -1.95 0.00 | 37.47 -1.51 0.00 | 32.64 -1.32 0.00 | 28.70 -1.16 0.00 |
| SITHE__BATAVIA 24024 | 41.21 -1.58 0.00 | 32.25 -1.71 0.00 | 30.77 -1.52 0.00 | 29.67 -1.47 0.00 | 29.58 -1.51 0.00 | 29.22 -1.44 0.00 | 34.78 -1.64 0.00 | 31.94 -1.72 0.00 | 31.34 -1.63 0.00 | 32.75 -2.02 0.00 | 29.67 -1.67 0.00 | 26.66 -1.81 0.59 | 25.24 -1.71 0.00 | 24.25 -1.43 0.00 | 21.86 -1.37 0.00 | 16.88 -1.23 2.38 | 21.87 -1.20 0.00 | 23.20 -1.42 0.00 | 30.40 -2.22 0.00 | 41.04 -2.54 0.00 | 44.97 -2.59 3.08 | 36.70 -2.11 0.17 | 32.26 -1.70 0.00 | 28.43 -1.41 0.02 |
| SITHE__INDEPEND 23800 | 41.13 -1.66 0.00 | 32.60 -1.36 0.00 | 31.00 -1.29 0.00 | 29.92 -1.22 0.00 | 29.86 -1.23 0.00 | 29.46 -1.20 0.00 | 34.98 -1.44 0.00 | 32.30 -1.36 0.00 | 31.64 -1.33 0.00 | 33.48 -1.28 0.00 | 30.19 -1.15 0.00 | 27.97 -1.08 0.00 | 26.03 -0.91 0.00 | 24.83 -0.85 0.00 | 22.45 -0.78 0.00 | 19.80 -0.69 0.00 | 22.27 -0.79 0.00 | 23.70 -0.91 0.00 | 31.33 -1.29 0.00 | 41.90 -1.69 0.00 | 48.69 -1.95 0.00 | 37.47 -1.51 0.00 | 32.64 -1.32 0.00 | 28.70 -1.16 0.00 |
| SITHE__MASSENA 23902 | 42.91 0.12 0.00 | 34.03 0.08 0.00 | 32.35 0.07 0.00 | 31.23 0.08 0.00 | 31.21 0.12 0.00 | 30.78 0.12 0.00 | 36.60 0.18 0.00 | 33.72 0.06 0.00 | 32.99 0.02 0.00 | 34.71 -0.06 0.00 | 31.24 -0.10 0.00 | 28.93 -0.12 0.00 | 26.80 -0.15 0.00 | 25.52 -0.17 0.00 | 23.08 -0.14 0.00 | 20.31 -0.17 0.00 | 22.87 -0.19 0.00 | 24.42 -0.19 0.00 | 32.46 -0.15 0.00 | 43.40 -0.18 0.00 | 50.48 -0.16 0.00 | 38.95 -0.03 0.00 | 34.00 0.03 0.00 | 29.82 -0.04 0.00 |
| SITHE__OGDNSBRG 24021 | 43.12 0.33 0.00 | 34.18 0.22 0.00 | 32.48 0.20 0.00 | 31.36 0.21 0.00 | 31.36 0.27 0.00 | 30.95 0.28 0.00 | 36.79 0.37 0.00 | 33.74 0.08 0.00 | 32.74 -0.23 0.00 | 34.29 -0.47 0.00 | 30.84 -0.50 0.00 | 28.56 -0.50 0.00 | 26.43 -0.51 0.00 | 25.18 -0.51 0.00 | 22.77 -0.46 0.00 | 20.02 -0.46 0.00 | 22.55 -0.51 0.00 | 24.10 -0.52 0.00 | 32.10 -0.51 0.00 | 43.37 -0.22 0.00 | 50.78 0.14 0.00 | 39.20 0.23 0.00 | 34.19 0.23 0.00 | 29.94 0.08 0.00 |
| SITHE__STERLING 23777 | 43.41 0.62 0.00 | 34.38 0.42 0.00 | 32.67 0.38 0.00 | 31.53 0.39 0.00 | 31.49 0.40 0.00 | 31.08 0.41 0.00 | 36.91 0.49 0.00 | 33.98 0.32 0.00 | 33.04 0.07 0.00 | 34.62 -0.14 0.00 | 31.08 -0.26 0.00 | 28.79 -0.26 0.00 | 26.81 -0.13 0.00 | 25.57 -0.11 0.00 | 23.10 -0.12 0.00 | 20.37 -0.11 0.00 | 22.98 -0.08 0.00 | 24.63 0.01 0.00 | 32.92 0.30 0.00 | 44.48 0.89 0.00 | 51.85 1.21 0.00 | 39.79 0.81 0.00 | 34.60 0.64 0.00 | 30.39 0.53 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 41.57 -1.22 0.00 | 32.78 -1.18 0.00 | 31.18 -1.10 0.00 | 30.06 -1.08 0.00 | 29.97 -1.12 0.00 | 29.60 -1.06 0.00 | 35.18 -1.24 0.00 | 32.39 -1.27 0.00 | 31.65 -1.32 0.00 | 33.29 -1.48 0.00 | 30.04 -1.30 0.00 | 27.36 -1.36 0.33 | 25.79 -1.15 0.00 | 24.65 -1.04 0.00 | 22.24 -0.98 0.00 | 18.27 -0.88 1.34 | 22.16 -0.90 0.00 | 23.67 -0.94 0.00 | 31.38 -1.23 0.00 | 42.12 -1.47 0.00 | 47.36 -1.55 1.73 | 37.57 -1.31 0.09 | 32.80 -1.16 0.00 | 28.82 -1.03 0.01 |
| SMITHTWN_69_KV_BK 1 55830 | 45.02 2.23 0.00 | 36.17 2.21 0.00 | 34.40 2.11 -0.01 | 33.16 2.01 0.00 | 33.02 1.93 0.00 | 32.62 1.96 0.00 | 38.49 2.07 0.00 | 35.34 1.68 0.00 | 36.85 2.15 -1.73 | 53.81 2.53 -16.51 | 46.58 2.30 -12.93 | 42.47 2.27 -11.15 | 32.18 2.11 -3.12 | 27.47 1.78 0.00 | 24.81 1.59 0.00 | 21.94 1.46 0.00 | 25.05 1.94 -0.05 | 37.41 2.14 -10.65 | 99.52 2.73 -64.18 | 96.51 3.19 -49.74 | 87.89 3.73 -33.51 | 74.92 2.85 -33.10 | 51.03 2.40 -14.67 | 46.46 2.17 -14.43 |
| SOUTH CAIRO__GT 23612 | 44.92 2.12 0.00 | 35.72 1.76 0.00 | 33.95 1.66 0.00 | 32.76 1.62 0.00 | 32.68 1.59 0.00 | 32.24 1.57 0.00 | 38.29 1.87 0.00 | 35.41 1.75 0.00 | 34.58 1.60 0.00 | 36.02 1.26 0.00 | 32.31 0.97 0.00 | 29.93 0.87 0.00 | 27.72 0.77 0.00 | 26.36 0.68 0.00 | 23.86 0.64 0.00 | 21.13 0.65 0.00 | 23.87 0.81 0.00 | 25.67 1.05 0.00 | 34.19 1.58 0.00 | 45.97 2.39 0.00 | 53.61 2.97 0.00 | 41.23 2.25 0.00 | 35.81 1.85 0.00 | 31.45 1.59 0.00 |
| SOUTH HAMPTN__IC 23720 | 45.51 2.72 0.00 | 36.64 2.68 0.00 | 34.90 2.61 -0.01 | 33.72 2.57 0.00 | 33.55 2.46 0.00 | 33.16 2.49 0.00 | 39.02 2.60 0.00 | 35.44 1.78 0.00 | 37.02 2.32 -1.72 | 53.78 2.62 -16.40 | 46.26 2.08 -12.85 | 41.36 1.98 -10.33 | 31.92 1.87 -3.10 | 27.26 1.57 0.00 | 24.73 1.50 0.00 | 21.88 1.39 0.00 | 25.33 2.22 -0.04 | 38.78 2.54 -11.62 | 107.48 3.19 -71.68 | 104.34 3.71 -57.05 | 95.51 4.66 -40.21 | 80.91 3.60 -38.33 | 54.52 2.99 -17.57 | 46.74 2.56 -14.33 |
| SOUTHDOW_115KV_TB1 355954 | 41.35 -1.44 0.00 | 32.37 -1.59 0.00 | 30.90 -1.38 0.00 | 29.81 -1.34 0.00 | 29.64 -1.45 0.00 | 29.24 -1.42 0.00 | 34.76 -1.65 0.00 | 32.10 -1.56 0.00 | 31.70 -1.27 0.00 | 33.23 -1.53 0.00 | 30.38 -0.96 0.00 | 26.95 -1.20 0.90 | 25.68 -1.27 0.00 | 24.76 -0.92 0.00 | 22.18 -1.04 0.00 | 15.93 -0.92 3.63 | 22.23 -0.83 0.00 | 23.68 -0.93 0.00 | 30.93 -1.69 0.00 | 41.56 -2.02 0.00 | 43.89 -2.05 4.70 | 36.78 -1.94 0.25 | 32.34 -1.62 0.00 | 28.58 -1.25 0.03 |
| SOUTHOLD_69_KV_BK 2 55809 | 45.93 3.14 0.00 | 36.95 2.99 0.00 | 35.20 2.91 -0.01 | 33.99 2.85 0.00 | 33.83 2.74 0.00 | 33.43 2.76 0.00 | 39.27 2.85 0.00 | 35.63 1.97 0.00 | 37.15 2.46 -1.72 | 53.89 2.73 -16.40 | 46.33 2.14 -12.85 | 41.37 2.00 -10.31 | 31.95 1.90 -3.10 | 27.32 1.63 0.00 | 24.80 1.58 0.00 | 21.95 1.46 0.00 | 25.46 2.35 -0.04 | 38.96 2.72 -11.62 | 107.67 3.39 -71.67 | 104.67 4.04 -57.04 | 95.91 5.08 -40.20 | 81.24 3.94 -38.32 | 54.78 3.25 -17.57 | 46.96 2.77 -14.33 |
| SOUTHOLD__IC 23719 | 45.94 3.15 0.00 | 36.95 2.99 0.00 | 35.19 2.90 -0.01 | 34.00 2.85 0.00 | 33.83 2.74 0.00 | 33.43 2.76 0.00 | 39.27 2.85 0.00 | 35.61 1.95 0.00 | 37.15 2.46 -1.72 | 53.89 2.74 -16.40 | 46.33 2.14 -12.85 | 41.37 2.01 -10.31 | 31.95 1.90 -3.10 | 27.32 1.64 0.00 | 24.81 1.58 0.00 | 21.95 1.47 0.00 | 25.46 2.35 -0.04 | 38.96 2.73 -11.62 | 107.68 3.39 -71.67 | 104.67 4.04 -57.04 | 95.93 5.09 -40.20 | 81.24 3.94 -38.32 | 54.78 3.25 -17.57 | 46.96 2.77 -14.33 |
| SOUTH_FORK_WT_PWR 323839 | 46.06 3.27 0.00 | 37.05 3.10 0.00 | 35.29 3.00 -0.01 | 34.09 2.95 0.00 | 33.93 2.84 0.00 | 33.52 2.85 0.00 | 39.31 2.90 0.00 | 35.55 1.89 0.00 | 37.05 2.35 -1.72 | 53.75 2.59 -16.40 | 46.15 1.96 -12.85 | 41.20 1.83 -10.32 | 31.79 1.75 -3.10 | 27.24 1.56 0.00 | 24.76 1.54 0.00 | 21.92 1.44 0.00 | 25.47 2.36 -0.04 | 39.00 2.77 -11.62 | 107.68 3.39 -71.68 | 104.70 4.07 -57.04 | 96.00 5.16 -40.20 | 81.31 4.01 -38.33 | 54.83 3.30 -17.57 | 47.01 2.82 -14.33 |
| SPIERFLS_115KV_TB 1 80737 | 44.88 2.09 0.00 | 35.60 1.64 0.00 | 33.85 1.57 0.00 | 32.58 1.43 0.00 | 32.53 1.44 0.00 | 32.17 1.50 0.00 | 38.15 1.73 0.00 | 35.24 1.58 0.00 | 34.34 1.36 0.00 | 35.86 1.09 0.00 | 32.08 0.75 0.00 | 29.78 0.73 0.00 | 27.58 0.63 0.00 | 26.20 0.51 0.00 | 23.65 0.43 0.00 | 20.99 0.50 0.00 | 23.77 0.71 0.00 | 25.70 1.08 0.00 | 34.32 1.71 0.00 | 46.07 2.48 0.00 | 53.50 2.86 0.00 | 41.03 2.05 0.00 | 35.69 1.73 0.00 | 31.30 1.44 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ST LAWRENCE____ 23600 | 42.77 -0.02 0.00 | 33.92 -0.04 0.00 | 32.25 -0.03 0.00 | 31.12 -0.02 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.46 0.04 0.00 | 33.64 -0.02 0.00 | 32.95 -0.02 0.00 | 34.70 -0.07 0.00 | 31.24 -0.09 0.00 | 28.96 -0.10 0.00 | 26.81 -0.13 0.00 | 25.55 -0.14 0.00 | 23.10 -0.12 0.00 | 20.33 -0.15 0.00 | 22.90 -0.16 0.00 | 24.44 -0.18 0.00 | 32.44 -0.17 0.00 | 43.33 -0.25 0.00 | 50.34 -0.30 0.00 | 38.83 -0.15 0.00 | 33.89 -0.07 0.00 | 29.74 -0.11 0.00 |
| STATE_CA_115KV_115_LB 55624 | 43.66 0.87 0.00 | 34.81 0.85 0.00 | 33.08 0.79 0.00 | 31.91 0.76 0.00 | 31.86 0.76 0.00 | 31.39 0.72 0.00 | 37.25 0.84 0.00 | 34.47 0.82 0.00 | 33.76 0.79 0.00 | 35.50 0.74 0.00 | 31.97 0.63 0.00 | 29.70 0.65 0.00 | 27.54 0.59 0.00 | 26.21 0.53 0.00 | 23.72 0.49 0.00 | 20.98 0.50 0.00 | 23.68 0.62 0.00 | 25.38 0.76 0.00 | 33.60 0.98 0.00 | 44.79 1.20 0.00 | 51.96 1.32 0.00 | 40.02 1.05 0.00 | 34.86 0.90 0.00 | 30.68 0.83 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 42.21 -0.58 0.00 | 33.41 -0.55 0.00 | 31.78 -0.51 0.00 | 30.64 -0.50 0.00 | 30.57 -0.52 0.00 | 30.18 -0.49 0.00 | 35.84 -0.57 0.00 | 33.03 -0.63 0.00 | 32.24 -0.73 0.00 | 33.93 -0.84 0.00 | 30.53 -0.81 0.00 | 28.00 -0.83 0.22 | 26.39 -0.56 0.00 | 25.18 -0.51 0.00 | 22.73 -0.50 0.00 | 19.16 -0.44 0.89 | 22.59 -0.48 0.00 | 24.16 -0.45 0.00 | 32.10 -0.51 0.00 | 43.18 -0.40 0.00 | 49.13 -0.36 1.15 | 38.54 -0.38 0.06 | 33.60 -0.36 0.00 | 29.54 -0.31 0.01 |
| STATION_5_MISC_HYD 23604 | 41.65 -1.14 0.00 | 32.76 -1.20 0.00 | 31.19 -1.10 0.00 | 30.08 -1.07 0.00 | 29.97 -1.11 0.00 | 29.60 -1.07 0.00 | 35.20 -1.22 0.00 | 32.41 -1.25 0.00 | 31.79 -1.18 0.00 | 33.44 -1.33 0.00 | 30.27 -1.07 0.00 | 27.47 -1.16 0.42 | 25.90 -1.04 0.00 | 24.81 -0.87 0.00 | 22.38 -0.84 0.00 | 18.04 -0.75 1.69 | 22.36 -0.70 0.00 | 23.81 -0.81 0.00 | 31.36 -1.26 0.00 | 42.04 -1.54 0.00 | 46.79 -1.66 2.19 | 37.48 -1.38 0.12 | 32.79 -1.18 0.00 | 28.82 -1.02 0.01 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 41.83 -0.96 0.00 | 32.97 -0.99 0.00 | 31.38 -0.91 0.00 | 30.26 -0.88 0.00 | 30.16 -0.93 0.00 | 29.79 -0.87 0.00 | 35.41 -1.00 0.00 | 32.63 -1.03 0.00 | 31.93 -1.04 0.00 | 33.54 -1.22 0.00 | 30.27 -1.06 0.00 | 27.53 -1.14 0.39 | 25.98 -0.96 0.00 | 24.85 -0.83 0.00 | 22.41 -0.81 0.00 | 18.22 -0.72 1.54 | 22.36 -0.70 0.00 | 23.91 -0.71 0.00 | 31.62 -0.99 0.00 | 42.44 -1.14 0.00 | 47.42 -1.22 2.00 | 37.81 -1.06 0.11 | 33.02 -0.95 0.00 | 29.01 -0.83 0.01 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 41.46 -1.34 0.00 | 32.62 -1.34 0.00 | 31.05 -1.24 0.00 | 29.94 -1.21 0.00 | 29.84 -1.25 0.00 | 29.46 -1.20 0.00 | 35.03 -1.39 0.00 | 32.26 -1.40 0.00 | 31.64 -1.33 0.00 | 33.29 -1.48 0.00 | 30.11 -1.22 0.00 | 27.36 -1.29 0.41 | 25.78 -1.16 0.00 | 24.69 -0.99 0.00 | 22.27 -0.95 0.00 | 18.01 -0.84 1.64 | 22.24 -0.82 0.00 | 23.70 -0.92 0.00 | 31.23 -1.39 0.00 | 41.86 -1.72 0.00 | 46.64 -1.89 2.12 | 37.32 -1.55 0.11 | 32.63 -1.33 0.00 | 28.68 -1.17 0.01 |
| STA_56____34_KV_BUS2 355983 | 41.46 -1.34 0.00 | 32.62 -1.34 0.00 | 31.05 -1.24 0.00 | 29.94 -1.21 0.00 | 29.84 -1.25 0.00 | 29.46 -1.20 0.00 | 35.03 -1.39 0.00 | 32.26 -1.40 0.00 | 31.64 -1.33 0.00 | 33.29 -1.48 0.00 | 30.11 -1.22 0.00 | 27.36 -1.29 0.41 | 25.78 -1.16 0.00 | 24.69 -0.99 0.00 | 22.27 -0.95 0.00 | 18.01 -0.84 1.64 | 22.24 -0.82 0.00 | 23.70 -0.92 0.00 | 31.23 -1.39 0.00 | 41.86 -1.72 0.00 | 46.64 -1.89 2.12 | 37.32 -1.55 0.11 | 32.63 -1.33 0.00 | 28.68 -1.17 0.01 |
| STA_67____115KV_BK2 355882 | 41.57 -1.22 0.00 | 32.70 -1.26 0.00 | 31.13 -1.16 0.00 | 30.03 -1.12 0.00 | 29.92 -1.17 0.00 | 29.55 -1.12 0.00 | 35.14 -1.27 0.00 | 32.35 -1.31 0.00 | 31.74 -1.23 0.00 | 33.39 -1.38 0.00 | 30.22 -1.12 0.00 | 27.44 -1.19 0.42 | 25.86 -1.08 0.00 | 24.78 -0.91 0.00 | 22.35 -0.87 0.00 | 18.02 -0.78 1.69 | 22.32 -0.74 0.00 | 23.77 -0.84 0.00 | 31.30 -1.32 0.00 | 41.96 -1.62 0.00 | 46.71 -1.74 2.19 | 37.41 -1.45 0.12 | 32.74 -1.23 0.00 | 28.78 -1.06 0.01 |
| STA_7____115KV_9TRANS 80674 | 41.84 -0.95 0.00 | 32.90 -1.06 0.00 | 31.31 -0.98 0.00 | 30.20 -0.95 0.00 | 30.10 -0.99 0.00 | 29.72 -0.94 0.00 | 35.34 -1.08 0.00 | 32.53 -1.13 0.00 | 31.91 -1.06 0.00 | 33.57 -1.19 0.00 | 30.38 -0.96 0.00 | 27.58 -1.05 0.42 | 26.00 -0.95 0.00 | 24.90 -0.78 0.00 | 22.46 -0.76 0.00 | 18.12 -0.68 1.69 | 22.45 -0.62 0.00 | 23.92 -0.70 0.00 | 31.52 -1.10 0.00 | 42.26 -1.32 0.00 | 47.05 -1.41 2.19 | 37.67 -1.19 0.12 | 32.95 -1.01 0.00 | 28.95 -0.90 0.01 |
| STA_82____115KV_TB1 80780 | 41.53 -1.26 0.00 | 32.67 -1.29 0.00 | 31.10 -1.19 0.00 | 30.00 -1.15 0.00 | 29.89 -1.20 0.00 | 29.52 -1.14 0.00 | 35.11 -1.31 0.00 | 32.32 -1.34 0.00 | 31.71 -1.26 0.00 | 33.35 -1.41 0.00 | 30.19 -1.15 0.00 | 27.41 -1.22 0.42 | 25.83 -1.11 0.00 | 24.75 -0.94 0.00 | 22.33 -0.89 0.00 | 17.99 -0.80 1.70 | 22.29 -0.77 0.00 | 23.74 -0.88 0.00 | 31.26 -1.35 0.00 | 41.91 -1.67 0.00 | 46.64 -1.80 2.20 | 37.37 -1.49 0.12 | 32.70 -1.26 0.00 | 28.75 -1.10 0.01 |
| STEEL____WIND 323596 | 40.17 -2.62 0.00 | 31.40 -2.55 0.00 | 29.99 -2.29 0.00 | 28.93 -2.21 0.00 | 28.80 -2.28 0.00 | 28.45 -2.22 0.00 | 33.86 -2.56 0.00 | 31.17 -2.48 0.00 | 30.75 -2.23 0.00 | 32.20 -2.56 0.00 | 29.45 -1.89 0.00 | 26.23 -2.02 0.81 | 24.99 -1.95 0.00 | 24.12 -1.56 0.00 | 21.69 -1.53 0.00 | 15.83 -1.40 3.26 | 21.68 -1.39 0.00 | 22.99 -1.63 0.00 | 29.93 -2.68 0.00 | 40.01 -3.57 0.00 | 42.46 -3.95 4.22 | 35.56 -3.19 0.23 | 31.37 -2.59 0.00 | 27.68 -2.15 0.03 |
| STEPHTWN_115KV_BK_2 55603 | 43.91 1.11 0.00 | 34.99 1.04 0.00 | 33.25 0.97 0.00 | 32.08 0.94 0.00 | 32.01 0.92 0.00 | 31.56 0.89 0.00 | 37.45 1.03 0.00 | 34.68 1.02 0.00 | 33.95 0.98 0.00 | 35.69 0.93 0.00 | 32.10 0.76 0.00 | 29.79 0.74 0.00 | 27.60 0.66 0.00 | 26.28 0.59 0.00 | 23.78 0.56 0.00 | 21.04 0.56 0.00 | 23.76 0.70 0.00 | 25.49 0.87 0.00 | 33.75 1.14 0.00 | 45.03 1.45 0.00 | 52.28 1.64 0.00 | 40.25 1.27 0.00 | 35.04 1.08 0.00 | 30.81 0.95 0.00 |
| STEBEN_REC_LFGE 323667 | 41.39 -1.40 0.00 | 32.56 -1.40 0.00 | 31.13 -1.16 0.00 | 30.00 -1.15 0.00 | 29.89 -1.20 0.00 | 29.53 -1.14 0.00 | 35.02 -1.40 0.00 | 32.26 -1.40 0.00 | 31.63 -1.34 0.00 | 33.00 -1.77 0.00 | 29.73 -1.61 0.00 | 26.05 -1.76 1.25 | 25.31 -1.63 0.00 | 24.39 -1.29 0.00 | 21.78 -1.44 0.00 | 14.10 -1.38 5.00 | 21.77 -1.29 0.00 | 23.42 -1.20 0.00 | 31.03 -1.58 0.00 | 42.06 -1.52 0.00 | 42.70 -1.46 6.47 | 37.17 -1.46 0.35 | 32.66 -1.30 0.00 | 28.67 -1.15 0.04 |
| STILLWATER____SOLAR 323814 | 44.64 1.85 0.00 | 35.45 1.49 0.00 | 33.70 1.41 0.00 | 32.50 1.35 0.00 | 32.43 1.34 0.00 | 32.01 1.34 0.00 | 37.97 1.55 0.00 | 35.09 1.43 0.00 | 34.23 1.26 0.00 | 35.84 1.08 0.00 | 32.17 0.83 0.00 | 29.87 0.81 0.00 | 27.66 0.71 0.00 | 26.30 0.61 0.00 | 23.78 0.55 0.00 | 21.06 0.57 0.00 | 23.81 0.74 0.00 | 25.64 1.02 0.00 | 34.14 1.53 0.00 | 45.76 2.17 0.00 | 53.13 2.49 0.00 | 40.80 1.82 0.00 | 35.52 1.56 0.00 | 31.21 1.35 0.00 |
| STONY____BROOK 24151 | 44.95 2.15 0.00 | 36.14 2.18 0.00 | 34.36 2.07 -0.01 | 33.14 1.99 0.00 | 32.99 1.90 0.00 | 32.60 1.94 0.00 | 38.46 2.04 0.00 | 35.28 1.62 0.00 | 36.81 2.11 -1.73 | 53.73 2.49 -16.48 | 46.48 2.23 -12.91 | 42.37 2.20 -11.11 | 32.12 2.06 -3.12 | 27.42 1.73 0.00 | 24.78 1.55 0.00 | 21.91 1.43 0.00 | 25.04 1.93 -0.05 | 37.89 2.14 -11.14 | 103.26 2.70 -67.94 | 100.12 3.15 -53.39 | 91.18 3.71 -36.84 | 77.52 2.83 -35.70 | 52.45 2.38 -16.11 | 46.39 2.14 -14.40 |

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| STURGEON_POOL_HYD 23609 | 44.74 1.94 0.00 | 35.58 1.62 0.00 | 33.80 1.51 0.00 | 32.53 1.38 0.00 | 32.45 1.36 0.00 | 32.03 1.36 0.00 | 38.00 1.59 0.00 | 35.36 1.70 0.00 | 34.79 1.82 0.00 | 36.79 2.03 0.00 | 33.22 1.88 0.00 | 30.87 1.82 0.00 | 28.58 1.63 0.00 | 27.26 1.57 0.00 | 24.62 1.39 0.00 | 21.77 1.28 0.00 | 24.50 1.43 0.00 | 26.21 1.60 0.00 | 34.60 1.98 0.00 | 46.04 2.46 0.00 | 53.44 2.80 0.00 | 41.05 2.08 0.00 | 35.68 1.72 0.00 | 31.38 1.52 0.00 |
| ST_LAW_115_BK7_LBMP 345037 | 42.73 -0.06 0.00 | 33.89 -0.07 0.00 | 32.23 -0.06 0.00 | 31.09 -0.05 0.00 | 31.06 -0.03 0.00 | 30.64 -0.02 0.00 | 36.43 0.02 0.00 | 33.60 -0.06 0.00 | 32.91 -0.06 0.00 | 34.65 -0.12 0.00 | 31.21 -0.13 0.00 | 28.91 -0.14 0.00 | 26.77 -0.17 0.00 | 25.50 -0.19 0.00 | 23.07 -0.16 0.00 | 20.30 -0.19 0.00 | 22.85 -0.21 0.00 | 24.39 -0.22 0.00 | 32.40 -0.22 0.00 | 43.26 -0.33 0.00 | 50.26 -0.38 0.00 | 38.78 -0.20 0.00 | 33.84 -0.12 0.00 | 29.70 -0.16 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 42.73 -0.06 0.00 | 33.89 -0.07 0.00 | 32.23 -0.06 0.00 | 31.09 -0.05 0.00 | 31.06 -0.03 0.00 | 30.64 -0.02 0.00 | 36.43 0.02 0.00 | 33.60 -0.06 0.00 | 32.91 -0.06 0.00 | 34.65 -0.12 0.00 | 31.21 -0.13 0.00 | 28.91 -0.14 0.00 | 26.77 -0.17 0.00 | 25.50 -0.19 0.00 | 23.07 -0.16 0.00 | 20.30 -0.19 0.00 | 22.85 -0.21 0.00 | 24.39 -0.22 0.00 | 32.40 -0.22 0.00 | 43.26 -0.33 0.00 | 50.26 -0.38 0.00 | 38.78 -0.20 0.00 | 33.84 -0.12 0.00 | 29.70 -0.16 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 42.77 -0.02 0.00 | 33.92 -0.04 0.00 | 32.25 -0.03 0.00 | 31.12 -0.02 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.46 0.04 0.00 | 33.64 -0.02 0.00 | 32.95 -0.02 0.00 | 34.70 -0.07 0.00 | 31.24 -0.09 0.00 | 28.96 -0.10 0.00 | 26.81 -0.13 0.00 | 25.55 -0.14 0.00 | 23.10 -0.12 0.00 | 20.33 -0.15 0.00 | 22.90 -0.16 0.00 | 24.44 -0.18 0.00 | 32.44 -0.17 0.00 | 43.33 -0.25 0.00 | 50.34 -0.30 0.00 | 38.83 -0.15 0.00 | 33.89 -0.07 0.00 | 29.74 -0.11 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 42.77 -0.02 0.00 | 33.92 -0.04 0.00 | 32.25 -0.03 0.00 | 31.12 -0.02 0.00 | 31.09 0.00 0.00 | 30.67 0.00 0.00 | 36.46 0.04 0.00 | 33.64 -0.02 0.00 | 32.95 -0.02 0.00 | 34.70 -0.07 0.00 | 31.24 -0.09 0.00 | 28.96 -0.10 0.00 | 26.81 -0.13 0.00 | 25.55 -0.14 0.00 | 23.10 -0.12 0.00 | 20.33 -0.15 0.00 | 22.90 -0.16 0.00 | 24.44 -0.18 0.00 | 32.44 -0.17 0.00 | 43.33 -0.25 0.00 | 50.34 -0.30 0.00 | 38.83 -0.15 0.00 | 33.89 -0.07 0.00 | 29.74 -0.11 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 44.57 1.78 0.00 | 35.46 1.50 0.00 | 33.69 1.40 0.00 | 32.43 1.28 0.00 | 32.34 1.25 0.00 | 31.91 1.24 0.00 | 37.89 1.47 0.00 | 35.22 1.56 0.00 | 34.65 1.68 0.00 | 36.61 1.85 0.00 | 33.08 1.75 0.00 | 30.86 1.70 -0.09 | 28.47 1.52 0.00 | 27.18 1.49 0.00 | 24.54 1.31 0.00 | 22.07 1.21 -0.38 | 24.41 1.35 0.00 | 26.12 1.51 0.00 | 34.48 1.87 0.00 | 45.87 2.29 0.00 | 53.73 2.61 -0.49 | 40.91 1.91 -0.03 | 35.54 1.57 0.00 | 31.28 1.42 0.00 |
| SWANROAD_115KV_TB1 355699 | 39.17 -3.62 0.00 | 30.60 -3.35 0.00 | 29.23 -3.06 0.00 | 28.23 -2.92 0.00 | 28.10 -2.99 0.00 | 27.76 -2.90 0.00 | 33.07 -3.35 0.00 | 30.33 -3.33 0.00 | 29.96 -3.00 0.00 | 31.42 -3.34 0.00 | 28.82 -2.52 0.00 | 25.82 -2.53 0.71 | 24.55 -2.40 0.00 | 23.68 -2.01 0.00 | 21.34 -1.89 0.00 | 15.94 -1.71 2.84 | 21.28 -1.78 0.00 | 22.44 -2.17 0.00 | 29.03 -3.58 0.00 | 38.60 -4.99 0.00 | 41.45 -5.52 3.67 | 34.43 -4.35 0.20 | 30.53 -3.43 0.00 | 27.01 -2.82 0.02 |
| SYNERGY___BIOGAS 323694 | 41.21 -1.58 0.00 | 32.25 -1.71 0.00 | 30.75 -1.53 0.00 | 29.67 -1.47 0.00 | 29.57 -1.52 0.00 | 29.22 -1.44 0.00 | 34.78 -1.64 0.00 | 31.93 -1.73 0.00 | 31.35 -1.63 0.00 | 32.75 -2.01 0.00 | 29.67 -1.66 0.59 | 26.67 -1.80 0.00 | 25.24 -1.71 0.00 | 24.25 -1.43 0.00 | 21.86 -1.37 0.00 | 16.88 -1.22 2.38 | 21.87 -1.20 0.00 | 23.20 -1.42 0.00 | 30.41 -2.21 0.00 | 41.04 -2.54 0.00 | 45.02 -2.54 3.08 | 36.72 -2.10 0.17 | 32.30 -1.66 0.00 | 28.43 -1.40 0.02 |
| SYRACUSE___ENERGY_ST1 323597 | 42.01 -0.78 0.00 | 33.27 -0.69 0.00 | 31.64 -0.65 0.00 | 30.52 -0.62 0.00 | 30.46 -0.63 0.00 | 30.06 -0.60 0.00 | 35.70 -0.72 0.00 | 32.95 -0.71 0.00 | 32.22 -0.75 0.00 | 34.00 -0.76 0.00 | 30.63 -0.71 0.00 | 28.24 -0.70 0.12 | 26.47 -0.48 0.00 | 25.25 -0.44 0.00 | 22.81 -0.41 0.00 | 19.65 -0.36 0.48 | 22.66 -0.40 0.00 | 24.21 -0.41 0.00 | 32.09 -0.52 0.00 | 43.00 -0.58 0.00 | 49.40 -0.63 0.62 | 38.39 -0.55 0.03 | 33.45 -0.51 0.00 | 29.40 -0.45 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 42.01 -0.78 0.00 | 33.27 -0.69 0.00 | 31.64 -0.65 0.00 | 30.52 -0.62 0.00 | 30.46 -0.63 0.00 | 30.06 -0.60 0.00 | 35.70 -0.72 0.00 | 32.95 -0.71 0.00 | 32.22 -0.75 0.00 | 34.00 -0.76 0.00 | 30.63 -0.71 0.00 | 28.24 -0.70 0.12 | 26.47 -0.48 0.00 | 25.25 -0.44 0.00 | 22.81 -0.41 0.00 | 19.65 -0.36 0.48 | 22.66 -0.40 0.00 | 24.21 -0.41 0.00 | 32.09 -0.52 0.00 | 43.00 -0.58 0.00 | 49.40 -0.63 0.62 | 38.39 -0.55 0.03 | 33.45 -0.51 0.00 | 29.40 -0.45 0.00 |
| SYRACUSE___POWER 24017 | 42.05 -0.74 0.00 | 33.30 -0.66 0.00 | 31.66 -0.63 0.00 | 30.54 -0.61 0.00 | 30.48 -0.61 0.00 | 30.09 -0.58 0.00 | 35.73 -0.69 0.00 | 32.98 -0.68 0.00 | 32.25 -0.72 0.00 | 34.03 -0.74 0.00 | 30.66 -0.68 0.00 | 28.38 -0.67 0.00 | 26.51 -0.44 0.00 | 25.29 -0.39 0.00 | 22.86 -0.37 0.00 | 20.17 -0.32 0.00 | 22.72 -0.35 0.00 | 24.27 -0.35 0.00 | 32.16 -0.46 0.00 | 43.09 -0.49 0.00 | 50.11 -0.53 0.00 | 38.50 -0.48 0.00 | 33.51 -0.45 0.00 | 29.45 -0.40 0.00 |
| TALLMAN__138KV_BK151 55660 | 44.49 1.70 0.00 | 35.41 1.45 0.00 | 33.64 1.36 0.00 | 32.37 1.22 0.00 | 32.29 1.20 0.00 | 31.86 1.19 0.00 | 37.82 1.40 0.00 | 35.20 1.54 0.00 | 34.63 1.66 0.00 | 36.64 1.88 0.00 | 33.17 1.83 0.00 | 30.97 1.82 -0.09 | 28.60 1.65 0.00 | 27.31 1.62 0.00 | 24.65 1.43 0.00 | 22.15 1.30 -0.37 | 24.51 1.45 0.00 | 26.17 1.56 0.00 | 34.50 1.89 0.00 | 45.89 2.31 0.00 | 53.73 2.61 -0.48 | 40.91 1.91 -0.03 | 35.55 1.59 0.00 | 31.33 1.47 0.00 |
| TEALLAVE_115KV_TB7 355573 | 41.85 -0.94 0.00 | 33.13 -0.83 0.00 | 31.51 -0.77 0.00 | 30.40 -0.74 0.00 | 30.33 -0.75 0.00 | 29.93 -0.73 0.00 | 35.55 -0.87 0.00 | 32.82 -0.84 0.00 | 32.13 -0.84 0.00 | 33.92 -0.84 0.00 | 30.57 -0.76 0.00 | 28.31 -0.75 0.00 | 26.41 -0.54 0.00 | 25.19 -0.49 0.00 | 22.77 -0.45 0.00 | 20.09 -0.40 0.00 | 22.62 -0.44 0.00 | 24.15 -0.47 0.00 | 31.98 -0.64 0.00 | 42.81 -0.78 0.00 | 49.77 -0.87 0.00 | 38.25 -0.72 0.00 | 33.30 -0.66 0.00 | 29.27 -0.59 0.00 |
| TELEGRAPH_34_KV_EAST 80808 | 40.26 -2.54 0.00 | 31.47 -2.48 0.00 | 30.04 -2.24 0.00 | 28.99 -2.16 0.00 | 28.87 -2.22 0.00 | 28.53 -2.14 0.00 | 33.96 -2.45 0.00 | 31.18 -2.48 0.00 | 30.72 -2.25 0.00 | 32.19 -2.57 0.00 | 29.36 -1.98 0.00 | 26.35 -2.07 0.64 | 24.99 -1.96 0.00 | 24.05 -1.64 0.00 | 21.67 -1.55 0.00 | 16.50 -1.40 2.58 | 21.64 -1.42 0.00 | 22.91 -1.71 0.00 | 29.83 -2.79 0.00 | 39.92 -3.66 0.00 | 43.37 -3.92 3.34 | 35.65 -3.15 0.18 | 31.48 -2.48 0.00 | 27.77 -2.07 0.02 |
| TEMPLE___115KV_TB 2 55572 | 41.86 -0.94 0.00 | 33.15 -0.81 0.00 | 31.52 -0.77 0.00 | 30.41 -0.74 0.00 | 30.34 -0.74 0.00 | 29.95 -0.72 0.00 | 35.56 -0.86 0.00 | 32.83 -0.83 0.00 | 32.13 -0.84 0.00 | 33.95 -0.82 0.00 | 30.59 -0.75 0.00 | 28.32 -0.74 0.00 | 26.42 -0.52 0.00 | 25.21 -0.48 0.00 | 22.78 -0.44 0.00 | 20.10 -0.38 0.00 | 22.64 -0.42 0.00 | 24.17 -0.45 0.00 | 32.01 -0.61 0.00 | 42.84 -0.74 0.00 | 49.80 -0.84 0.00 | 38.27 -0.70 0.00 | 33.31 -0.65 0.00 | 29.29 -0.57 0.00 |

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| TIANA___69_KV_BK 1 55817 | 45.35 2.56 0.00 | 36.50 2.55 0.00 | 34.77 2.48 -0.01 | 33.59 2.44 0.00 | 33.43 2.34 0.00 | 33.03 2.37 0.00 | 38.89 2.48 0.00 | 35.38 1.72 0.00 | 36.95 2.26 -1.72 | 53.73 2.57 -16.40 | 46.25 2.07 -12.85 | 41.34 1.97 -10.31 | 31.92 1.88 -3.10 | 27.23 1.55 0.00 | 24.70 1.48 0.00 | 21.85 1.37 0.00 | 25.27 2.17 -0.04 | 38.69 2.46 -11.62 | 107.38 3.09 -71.67 | 104.19 3.57 -57.04 | 95.31 4.47 -40.20 | 80.76 3.46 -38.32 | 54.40 2.87 -17.57 | 46.66 2.47 -14.33 |
| TILDEN___115KV_TB1 80814 | 42.05 -0.74 0.00 | 33.30 -0.66 0.00 | 31.66 -0.63 0.00 | 30.54 -0.61 0.00 | 30.48 -0.61 0.00 | 30.09 -0.58 0.00 | 35.73 -0.69 0.00 | 32.98 -0.68 0.00 | 32.25 -0.72 0.00 | 34.03 -0.74 0.00 | 30.66 -0.68 0.00 | 28.38 -0.67 0.00 | 26.51 -0.44 0.00 | 25.29 -0.39 0.00 | 22.86 -0.37 0.00 | 20.17 -0.32 0.00 | 22.72 -0.35 0.00 | 24.27 -0.35 0.00 | 32.16 -0.46 0.00 | 43.09 -0.49 0.00 | 50.11 -0.53 0.00 | 38.50 -0.48 0.00 | 33.51 -0.45 0.00 | 29.45 -0.40 0.00 |
| TRIGEN___CC 323695 | 45.00 2.21 0.00 | 36.02 2.07 0.00 | 34.23 1.93 -0.01 | 32.94 1.80 0.00 | 32.83 1.74 0.00 | 32.42 1.75 0.00 | 38.33 1.92 0.00 | 35.44 1.78 0.00 | 38.07 2.11 -2.99 | 65.82 2.55 -28.51 | 56.10 2.42 -22.34 | 50.52 2.39 -19.06 | 34.55 2.21 -5.39 | 27.68 2.00 0.00 | 24.98 1.75 0.00 | 22.08 1.59 0.00 | 25.02 1.88 -0.08 | 43.65 2.05 -16.98 | 135.32 2.55 -100.16 | 122.24 3.05 -75.60 | 102.56 3.35 -48.57 | 91.31 2.53 -49.81 | 57.42 2.17 -21.29 | 56.78 2.00 -24.92 |
| TRINITY___115KV___4 BK 55933 | 43.51 0.72 0.00 | 34.68 0.72 0.00 | 32.97 0.69 0.00 | 31.81 0.67 0.00 | 31.76 0.67 0.00 | 31.29 0.62 0.00 | 37.13 0.71 0.00 | 34.38 0.72 0.00 | 33.67 0.69 0.00 | 35.43 0.67 0.00 | 31.93 0.59 0.00 | 29.65 0.60 0.00 | 27.49 0.55 0.00 | 26.17 0.48 0.00 | 23.68 0.45 0.00 | 20.94 0.46 0.00 | 23.60 0.54 0.00 | 25.27 0.66 0.00 | 33.44 0.82 0.00 | 44.59 1.01 0.00 | 51.74 1.10 0.00 | 39.86 0.88 0.00 | 34.73 0.77 0.00 | 30.58 0.72 0.00 |
| UNION___PROCESSING_DRP 323587 | 41.54 -1.25 0.00 | 32.68 -1.28 0.00 | 31.10 -1.18 0.00 | 30.00 -1.14 0.00 | 29.91 -1.18 0.00 | 29.53 -1.14 0.00 | 35.12 -1.30 0.00 | 32.32 -1.34 0.00 | 31.71 -1.26 0.00 | 33.35 -1.41 0.00 | 30.19 -1.15 0.00 | 27.41 -1.22 0.42 | 25.84 -1.11 0.00 | 24.75 -0.94 0.00 | 22.33 -0.89 0.00 | 17.98 -0.80 1.70 | 22.29 -0.77 0.00 | 23.75 -0.87 0.00 | 31.26 -1.35 0.00 | 41.92 -1.66 0.00 | 46.65 -1.79 2.20 | 37.38 -1.48 0.12 | 32.70 -1.26 0.00 | 28.75 -1.09 0.01 |
| UPPER HUDSON___HYD 24058 | 44.88 2.09 0.00 | 35.60 1.64 0.00 | 33.85 1.56 0.00 | 32.58 1.43 0.00 | 32.53 1.44 0.00 | 32.17 1.50 0.00 | 38.15 1.73 0.00 | 35.23 1.57 0.00 | 34.33 1.36 0.00 | 35.86 1.09 0.00 | 32.08 0.75 0.00 | 29.78 0.73 0.00 | 27.58 0.63 0.00 | 26.20 0.51 0.00 | 23.65 0.43 0.00 | 20.99 0.50 0.00 | 23.77 0.71 0.00 | 25.70 1.08 0.00 | 34.32 1.71 0.00 | 46.07 2.49 0.00 | 53.50 2.86 0.00 | 41.03 2.05 0.00 | 35.69 1.73 0.00 | 31.30 1.44 0.00 |
| UPPER RAQUET___HYD 24056 | 41.67 -1.12 0.00 | 33.05 -0.91 0.00 | 31.41 -0.87 0.00 | 30.34 -0.81 0.00 | 30.34 -0.75 0.00 | 29.94 -0.73 0.00 | 35.60 -0.82 0.00 | 32.71 -0.95 0.00 | 31.84 -1.13 0.00 | 33.42 -1.34 0.00 | 30.05 -1.29 0.00 | 27.83 -1.23 0.00 | 25.75 -1.19 0.00 | 24.52 -1.17 0.00 | 22.17 -1.06 0.00 | 19.50 -0.98 0.00 | 21.96 -1.11 0.00 | 23.47 -1.15 0.00 | 31.29 -1.32 0.00 | 42.08 -1.51 0.00 | 49.09 -1.55 0.00 | 37.87 -1.11 0.00 | 33.04 -0.92 0.00 | 28.96 -0.90 0.00 |
| VALLEY44_115KV_TB2 355964 | 40.25 -2.54 0.00 | 31.54 -2.42 0.00 | 30.11 -2.17 0.00 | 29.03 -2.11 0.00 | 28.84 -2.25 0.00 | 28.41 -2.26 0.00 | 33.81 -2.61 0.00 | 31.23 -2.43 0.00 | 30.82 -2.15 0.00 | 32.44 -2.32 0.00 | 29.60 -1.74 0.94 | 26.32 -1.80 0.00 | 25.21 -1.73 0.00 | 24.31 -1.38 0.00 | 21.77 -1.45 0.00 | 15.40 -1.32 3.77 | 21.75 -1.31 0.00 | 23.11 -1.51 0.00 | 30.11 -2.50 0.00 | 40.41 -3.18 0.00 | 42.34 -3.42 4.88 | 35.77 -2.94 0.26 | 31.50 -2.46 0.00 | 27.84 -1.99 0.03 |
| VALLEY___115KV_TB 1-4 80826 | 43.44 0.65 0.00 | 34.53 0.57 0.00 | 32.83 0.54 0.00 | 31.67 0.52 0.00 | 31.61 0.52 0.00 | 31.17 0.50 0.00 | 36.98 0.57 0.00 | 34.04 0.38 0.00 | 33.17 0.20 0.00 | 34.64 -0.12 0.00 | 31.13 -0.21 0.00 | 28.87 -0.18 0.00 | 26.75 -0.19 0.00 | 25.46 -0.22 0.00 | 22.99 -0.23 0.00 | 20.31 -0.17 0.00 | 22.90 -0.16 0.00 | 24.63 0.01 0.00 | 32.97 0.35 0.00 | 44.39 0.80 0.00 | 51.62 0.98 0.00 | 39.74 0.77 0.00 | 34.64 0.68 0.00 | 30.45 0.59 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 44.71 1.92 0.00 | 35.52 1.56 0.00 | 33.76 1.47 0.00 | 32.53 1.38 0.00 | 32.46 1.37 0.00 | 32.05 1.39 0.00 | 38.04 1.62 0.00 | 35.20 1.54 0.00 | 34.46 1.49 0.00 | 36.27 1.51 0.00 | 32.66 1.33 0.00 | 30.51 1.21 -0.24 | 27.82 0.88 0.00 | 26.54 0.85 0.00 | 23.99 0.77 0.00 | 22.15 0.69 -0.97 | 23.88 0.82 0.00 | 25.64 1.02 0.00 | 34.07 1.46 0.00 | 45.46 1.87 0.00 | 53.99 2.10 -1.25 | 40.59 1.55 -0.07 | 35.23 1.27 0.00 | 30.98 1.12 -0.01 |
| VISCHER___FERRY HYD 24020 | 44.19 1.40 0.00 | 35.13 1.17 0.00 | 33.40 1.12 0.00 | 32.24 1.10 0.00 | 32.18 1.09 0.00 | 31.71 1.04 0.00 | 37.61 1.20 0.00 | 34.81 1.16 0.00 | 34.07 1.10 0.00 | 35.81 1.04 0.00 | 32.24 0.90 0.00 | 29.95 0.89 0.00 | 27.74 0.80 0.00 | 26.38 0.69 0.00 | 23.85 0.62 0.00 | 21.10 0.61 0.00 | 23.80 0.74 0.00 | 25.51 0.90 0.00 | 33.81 1.20 0.00 | 45.22 1.63 0.00 | 52.50 1.86 0.00 | 40.37 1.39 0.00 | 35.19 1.23 0.00 | 30.96 1.10 0.00 |
| V_A_10_SYNC_DSASP 323832 | 40.09 -2.71 0.00 | 31.37 -2.59 0.00 | 29.92 -2.36 0.00 | 28.88 -2.26 0.00 | 28.75 -2.34 0.00 | 28.39 -2.28 0.00 | 33.80 -2.62 0.00 | 31.08 -2.58 0.00 | 30.66 -2.32 0.00 | 32.21 -2.55 0.00 | 29.42 -1.91 0.62 | 26.46 -1.97 0.00 | 25.07 -1.88 0.00 | 24.14 -1.55 0.00 | 21.75 -1.47 0.00 | 16.65 -1.33 2.50 | 21.71 -1.35 0.00 | 22.98 -1.63 0.00 | 29.91 -2.71 0.00 | 39.94 -3.64 0.00 | 43.36 -4.04 3.24 | 35.58 -3.22 0.17 | 31.34 -2.62 0.00 | 27.64 -2.19 0.02 |
| V_CMM_10_SYNC_DSASP 323787 | 42.91 0.11 0.00 | 34.03 0.07 0.00 | 32.35 0.07 0.00 | 31.22 0.08 0.00 | 31.20 0.11 0.00 | 30.77 0.10 0.00 | 36.58 0.17 0.00 | 33.74 0.08 0.00 | 33.05 0.08 0.00 | 34.78 0.02 0.00 | 31.32 -0.02 0.00 | 29.02 -0.04 0.00 | 26.86 -0.08 0.00 | 25.60 -0.09 0.00 | 23.15 -0.08 0.00 | 20.37 -0.11 0.00 | 22.93 -0.13 0.00 | 24.48 -0.13 0.00 | 32.53 -0.09 0.00 | 43.42 -0.17 0.00 | 50.38 -0.26 0.00 | 38.89 -0.09 0.00 | 33.96 0.00 0.00 | 29.82 -0.04 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 43.48 0.69 0.00 | 34.52 0.56 0.00 | 32.83 0.54 0.00 | 31.66 0.52 0.00 | 31.69 0.60 0.00 | 31.27 0.60 0.00 | 37.15 0.74 0.00 | 34.34 0.68 0.00 | 33.57 0.60 0.00 | 35.30 0.54 0.00 | 31.75 0.42 0.00 | 29.44 0.39 0.00 | 27.24 0.29 0.00 | 25.91 0.22 0.00 | 23.40 0.17 0.00 | 20.70 0.21 0.00 | 23.36 0.30 0.00 | 24.99 0.37 0.00 | 33.12 0.51 0.00 | 44.33 0.74 0.00 | 51.49 0.85 0.00 | 39.68 0.71 0.00 | 34.64 0.68 0.00 | 30.34 0.48 0.00 |
| V_D_10_SYNC_DSASP 323841 | 42.92 0.13 0.00 | 34.04 0.08 0.00 | 32.36 0.08 0.00 | 31.24 0.09 0.00 | 31.21 0.13 0.00 | 30.79 0.12 0.00 | 36.60 0.19 0.00 | 33.73 0.07 0.00 | 33.00 0.02 0.00 | 34.71 -0.05 0.00 | 31.25 -0.09 0.00 | 28.95 -0.11 0.00 | 26.80 -0.14 0.00 | 25.53 -0.16 0.00 | 23.09 -0.14 0.00 | 20.32 -0.17 0.00 | 22.88 -0.18 0.00 | 24.43 -0.18 0.00 | 32.47 -0.15 0.00 | 43.42 -0.16 0.00 | 50.48 -0.16 0.00 | 38.95 -0.02 0.00 | 34.00 0.04 0.00 | 29.83 -0.03 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| V_E_10_SYNC_DSASP 323830 | 45.70 2.91 0.00 | 36.18 2.22 0.00 | 34.38 2.09 0.00 | 33.04 1.89 0.00 | 33.15 2.06 0.00 | 32.80 2.13 0.00 | 38.98 2.56 0.00 | 35.65 1.99 0.00 | 34.31 1.34 0.00 | 35.48 0.71 0.00 | 31.64 0.31 0.00 | 29.30 0.09 -0.15 | 27.24 0.29 0.00 | 26.01 0.32 0.00 | 23.42 0.19 0.00 | 21.30 0.22 -0.59 | 23.29 0.23 0.00 | 25.30 0.68 0.00 | 34.38 1.77 0.00 | 47.04 3.46 0.00 | 55.50 4.09 -0.77 | 41.71 2.70 -0.04 | 36.15 2.18 0.00 | 31.87 2.01 0.00 |
| V_F_30_NSYNC_DSASP 323816 | 44.66 1.87 0.00 | 35.45 1.49 0.00 | 33.71 1.42 0.00 | 32.51 1.37 0.00 | 32.44 1.35 0.00 | 32.02 1.35 0.00 | 37.98 1.57 0.00 | 35.11 1.45 0.00 | 34.26 1.29 0.00 | 35.88 1.12 0.00 | 32.21 0.87 0.00 | 29.91 0.85 0.00 | 27.70 0.75 0.00 | 26.34 0.66 0.00 | 23.82 0.59 0.00 | 21.09 0.60 0.00 | 23.84 0.77 0.00 | 25.66 1.05 0.00 | 34.17 1.56 0.00 | 45.78 2.20 0.00 | 53.15 2.52 0.00 | 40.81 1.83 0.00 | 35.53 1.57 0.00 | 31.21 1.36 0.00 |
| V_F_30_SYNC_DSASP 323786 | 43.65 0.87 0.00 | 34.81 0.85 0.00 | 33.07 0.78 0.00 | 31.91 0.76 0.00 | 31.85 0.76 0.00 | 31.39 0.72 0.00 | 37.24 0.83 0.00 | 34.47 0.82 0.00 | 33.76 0.79 0.00 | 35.50 0.73 0.00 | 31.96 0.62 0.00 | 29.70 0.65 0.00 | 27.54 0.59 0.00 | 26.21 0.52 0.00 | 23.71 0.49 0.00 | 20.98 0.49 0.00 | 23.68 0.61 0.00 | 25.38 0.76 0.00 | 33.59 0.98 0.00 | 44.78 1.20 0.00 | 51.96 1.31 0.00 | 40.01 1.04 0.00 | 34.85 0.89 0.00 | 30.68 0.82 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 43.48 0.69 0.00 | 34.52 0.56 0.00 | 32.83 0.54 0.00 | 31.66 0.52 0.00 | 31.69 0.60 0.00 | 31.27 0.60 0.00 | 37.15 0.74 0.00 | 34.34 0.68 0.00 | 33.57 0.60 0.00 | 35.30 0.54 0.00 | 31.75 0.42 0.00 | 29.44 0.39 0.00 | 27.24 0.29 0.00 | 25.91 0.22 0.00 | 23.40 0.17 0.00 | 20.70 0.21 0.00 | 23.36 0.30 0.00 | 24.99 0.37 0.00 | 33.12 0.51 0.00 | 44.33 0.74 0.00 | 51.49 0.85 0.00 | 39.68 0.71 0.00 | 34.64 0.68 0.00 | 30.34 0.48 0.00 |
| W.BABYLN_69_KV_BK1 56697 | 45.45 2.66 0.00 | 36.44 2.48 0.00 | 34.63 2.34 -0.01 | 33.35 2.20 0.00 | 33.22 2.13 0.00 | 32.81 2.15 0.00 | 38.75 2.33 0.00 | 35.69 2.03 0.00 | 37.34 2.45 -1.93 | 55.99 2.90 -18.34 | 48.42 2.72 -14.36 | 43.96 2.64 -12.26 | 32.83 2.42 -3.47 | 27.80 2.11 0.00 | 25.06 1.84 0.00 | 22.16 1.67 0.00 | 25.19 2.08 -0.05 | 38.35 2.30 -11.44 | 103.91 2.96 -68.33 | 99.57 3.58 -52.40 | 89.39 4.10 -34.66 | 76.81 3.11 -34.73 | 51.81 2.67 -15.18 | 48.30 2.42 -16.03 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 44.75 1.95 0.00 | 35.60 1.64 0.00 | 33.82 1.53 0.00 | 32.55 1.40 0.00 | 32.47 1.38 0.00 | 32.04 1.37 0.00 | 38.03 1.61 0.00 | 35.38 1.72 0.00 | 34.81 1.84 0.00 | 36.81 2.05 0.00 | 33.30 1.97 0.00 | 31.08 1.94 -0.09 | 28.70 1.75 0.00 | 27.40 1.71 0.00 | 24.73 1.51 0.00 | 22.22 1.38 -0.36 | 24.61 1.55 0.00 | 26.31 1.69 0.00 | 34.69 2.08 0.00 | 46.14 2.56 0.00 | 54.01 2.90 -0.47 | 41.14 2.14 -0.02 | 35.74 1.78 0.00 | 31.48 1.62 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 44.84 2.04 0.00 | 35.71 1.75 0.00 | 33.91 1.63 0.00 | 32.63 1.49 0.00 | 32.54 1.45 0.00 | 32.11 1.44 0.00 | 38.09 1.67 0.00 | 35.48 1.82 0.00 | 34.96 1.99 0.00 | 37.01 2.25 0.00 | 33.51 2.17 0.00 | 31.19 2.14 0.00 | 28.92 1.98 0.00 | 27.63 1.94 0.00 | 24.94 1.71 0.00 | 22.05 1.56 0.00 | 24.78 1.72 0.00 | 26.46 1.85 0.00 | 34.85 2.24 0.00 | 46.26 2.67 0.00 | 53.63 2.99 0.00 | 41.23 2.26 0.00 | 35.88 1.92 0.00 | 31.58 1.73 0.00 |
| W50THST__13_KV_LOAD 356117 | 45.07 2.28 0.00 | 35.91 1.95 0.00 | 34.11 1.82 0.00 | 32.81 1.67 0.00 | 32.67 1.58 0.00 | 32.23 1.57 0.00 | 38.23 1.82 0.00 | 35.62 1.96 0.00 | 35.10 2.13 0.00 | 37.16 2.40 0.00 | 33.65 2.31 0.00 | 31.33 2.27 0.00 | 29.04 2.10 0.00 | 27.74 2.06 0.00 | 25.05 1.83 0.00 | 22.14 1.66 0.00 | 24.89 1.83 0.00 | 26.58 1.96 0.00 | 35.00 2.39 0.00 | 46.45 2.87 0.00 | 53.87 3.23 0.00 | 41.40 2.43 0.00 | 36.02 2.06 0.00 | 31.71 1.85 0.00 |
| WADING RIVER_IC_1 23522 | 44.74 1.95 0.00 | 36.06 2.11 0.00 | 34.38 2.08 -0.01 | 33.23 2.08 0.00 | 33.06 1.97 0.00 | 32.66 2.00 0.00 | 38.50 2.08 0.00 | 34.94 1.29 0.00 | 36.61 1.92 -1.72 | 53.38 2.23 -16.39 | 45.89 1.72 -12.84 | 41.29 1.68 -10.55 | 31.63 1.59 -3.10 | 26.97 1.28 0.00 | 24.47 1.25 0.00 | 21.65 1.17 0.00 | 25.11 2.00 -0.04 | 38.48 2.24 -11.63 | 107.16 2.81 -71.74 | 103.75 3.05 -57.12 | 94.83 3.92 -40.27 | 80.39 3.04 -38.38 | 54.09 2.53 -17.60 | 46.32 2.14 -14.33 |
| WADING RIVER_IC_2 23547 | 44.74 1.95 0.00 | 36.06 2.11 0.00 | 34.38 2.08 -0.01 | 33.23 2.08 0.00 | 33.06 1.97 0.00 | 32.66 2.00 0.00 | 38.50 2.08 0.00 | 34.94 1.29 0.00 | 36.61 1.92 -1.72 | 53.38 2.23 -16.39 | 45.89 1.72 -12.84 | 41.29 1.68 -10.55 | 31.63 1.59 -3.10 | 26.97 1.28 0.00 | 24.47 1.25 0.00 | 21.65 1.17 0.00 | 25.11 2.00 -0.04 | 38.48 2.24 -11.63 | 107.16 2.81 -71.74 | 103.75 3.05 -57.12 | 94.83 3.92 -40.27 | 80.39 3.04 -38.38 | 54.09 2.53 -17.60 | 46.32 2.14 -14.33 |
| WADING RIVER_IC_3 23601 | 44.74 1.95 0.00 | 36.06 2.11 0.00 | 34.38 2.08 -0.01 | 33.23 2.08 0.00 | 33.06 1.97 0.00 | 32.66 2.00 0.00 | 38.50 2.08 0.00 | 34.94 1.29 0.00 | 36.61 1.92 -1.72 | 53.38 2.23 -16.39 | 45.89 1.72 -12.84 | 41.29 1.68 -10.55 | 31.63 1.59 -3.10 | 26.97 1.28 0.00 | 24.47 1.25 0.00 | 21.65 1.17 0.00 | 25.11 2.00 -0.04 | 38.48 2.24 -11.63 | 107.16 2.81 -71.74 | 103.75 3.05 -57.12 | 94.83 3.92 -40.27 | 80.39 3.04 -38.38 | 54.09 2.53 -17.60 | 46.32 2.14 -14.33 |
| WALDENNY_12_KV_BK2 80841 | 40.17 -2.62 0.00 | 31.40 -2.56 0.00 | 29.97 -2.32 0.00 | 28.92 -2.22 0.00 | 28.79 -2.30 0.00 | 28.44 -2.23 0.00 | 33.85 -2.57 0.00 | 31.14 -2.51 0.00 | 30.75 -2.22 0.00 | 32.22 -2.54 0.00 | 29.47 -1.87 0.00 | 26.28 -1.98 0.80 | 25.04 -1.90 0.00 | 24.16 -1.53 0.00 | 21.73 -1.50 0.00 | 15.91 -1.36 3.22 | 21.71 -1.36 0.00 | 23.01 -1.60 0.00 | 29.91 -2.70 0.00 | 39.98 -3.60 0.00 | 42.53 -3.95 4.17 | 35.56 -3.19 0.22 | 31.41 -2.55 0.00 | 27.71 -2.12 0.03 |
| WALDEN__HYDRO 24148 | 44.77 1.98 0.00 | 35.61 1.65 0.00 | 33.82 1.54 0.00 | 32.55 1.41 0.00 | 32.47 1.38 0.00 | 32.05 1.38 0.00 | 38.04 1.62 0.00 | 35.37 1.71 0.00 | 34.78 1.81 0.00 | 36.74 1.97 0.00 | 33.16 1.83 0.00 | 30.91 1.76 -0.09 | 28.51 1.57 0.00 | 27.21 1.52 0.00 | 24.57 1.34 0.00 | 22.08 1.23 -0.36 | 24.46 1.39 0.00 | 26.18 1.57 0.00 | 34.60 1.99 0.00 | 46.08 2.50 0.00 | 53.97 2.86 -0.47 | 41.11 2.11 -0.03 | 35.70 1.74 0.00 | 31.41 1.54 0.00 |
| WARRENSBURG____ 23737 | 44.88 2.09 0.00 | 35.60 1.64 0.00 | 33.85 1.57 0.00 | 32.58 1.43 0.00 | 32.53 1.44 0.00 | 32.17 1.50 0.00 | 38.15 1.73 0.00 | 35.24 1.58 0.00 | 34.34 1.36 0.00 | 35.86 1.09 0.00 | 32.08 0.75 0.00 | 29.78 0.73 0.00 | 27.58 0.63 0.00 | 26.20 0.51 0.00 | 23.65 0.43 0.00 | 20.99 0.50 0.00 | 23.77 0.71 0.00 | 25.70 1.08 0.00 | 34.32 1.71 0.00 | 46.07 2.48 0.00 | 53.50 2.86 0.00 | 41.03 2.05 0.00 | 35.69 1.73 0.00 | 31.30 1.44 0.00 |
| WATERSIDE____6 8 9 23538 | 44.71 1.92 0.00 | 35.64 1.68 0.00 | 33.86 1.58 0.00 | 32.58 1.44 0.00 | 32.49 1.40 0.00 | 32.07 1.40 0.00 | 38.01 1.59 0.00 | 35.43 1.77 0.00 | 34.91 1.94 0.00 | 36.97 2.20 0.00 | 33.48 2.14 0.00 | 31.17 2.12 0.00 | 28.92 1.98 0.00 | 27.63 1.95 0.00 | 24.94 1.71 0.00 | 22.05 1.56 0.00 | 24.78 1.72 0.00 | 26.46 1.84 0.00 | 34.81 2.20 0.00 | 46.11 2.53 0.00 | 53.44 2.80 0.00 | 41.14 2.17 0.00 | 35.81 1.85 0.00 | 31.55 1.70 0.00 |

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| WATKINRD_115KV_LN8_ILLLION 55919 | 43.28 0.49 0.00 | 34.39 0.43 0.00 | 32.68 0.39 0.00 | 31.53 0.39 0.00 | 31.48 0.39 0.00 | 31.04 0.37 0.00 | 36.84 0.42 0.00 | 33.97 0.31 0.00 | 33.14 0.17 0.00 | 34.70 -0.06 0.00 | 31.22 -0.12 0.00 | 28.96 -0.10 0.00 | 26.83 -0.11 0.00 | 25.56 -0.13 0.00 | 23.09 -0.14 0.00 | 20.39 -0.10 0.00 | 22.98 -0.09 0.00 | 24.67 0.05 0.00 | 32.91 0.30 0.00 | 44.21 0.63 0.00 | 51.39 0.75 0.00 | 39.56 0.58 0.00 | 34.46 0.50 0.00 | 30.30 0.44 0.00 |
| WDELAWARE___HYD 323627 | 44.41 1.62 0.00 | 35.32 1.36 0.00 | 33.53 1.25 0.00 | 32.28 1.14 0.00 | 32.20 1.11 0.00 | 31.78 1.11 0.00 | 37.73 1.32 0.00 | 35.05 1.40 0.00 | 34.44 1.47 0.00 | 36.33 1.57 0.00 | 32.65 1.31 0.00 | 30.40 1.24 -0.11 | 27.96 1.02 0.00 | 26.67 0.98 0.00 | 24.09 0.86 0.00 | 21.74 0.82 -0.43 | 24.00 0.94 0.00 | 25.77 1.16 0.00 | 34.19 1.57 0.00 | 45.62 2.04 0.00 | 53.59 2.39 -0.56 | 40.73 1.72 -0.03 | 35.30 1.35 0.00 | 31.03 1.17 0.00 |
| WEST BABYLON___IC 23714 | 45.45 2.66 0.00 | 36.44 2.48 0.00 | 34.63 2.34 -0.01 | 33.35 2.20 0.00 | 33.22 2.13 0.00 | 32.81 2.15 0.00 | 38.75 2.33 0.00 | 35.69 2.03 0.00 | 37.34 2.45 -1.93 | 55.99 2.90 -18.34 | 48.42 2.72 -14.36 | 43.96 2.64 -12.26 | 32.83 2.42 -3.47 | 27.80 2.11 0.00 | 25.06 1.84 0.00 | 22.16 1.67 0.00 | 25.19 2.08 -0.05 | 38.35 2.30 -11.44 | 103.91 2.96 -68.33 | 99.57 3.58 -52.40 | 89.39 4.10 -34.66 | 76.81 3.11 -34.73 | 51.81 2.67 -15.18 | 48.30 2.42 -16.03 |
| WEST CANADA___HYD 24049 | 42.87 0.08 0.00 | 34.03 0.07 0.00 | 32.35 0.07 0.00 | 31.21 0.06 0.00 | 31.15 0.06 0.00 | 30.73 0.06 0.00 | 36.48 0.07 0.00 | 33.73 0.07 0.00 | 33.02 0.05 0.00 | 34.80 0.03 0.00 | 31.37 0.03 0.00 | 29.10 0.04 0.00 | 26.97 0.03 0.00 | 25.71 0.03 0.00 | 23.25 0.02 0.00 | 20.52 0.04 0.00 | 23.10 0.04 0.00 | 24.67 0.06 0.00 | 32.70 0.09 0.00 | 43.72 0.13 0.00 | 50.79 0.15 0.00 | 39.09 0.11 0.00 | 34.04 0.07 0.00 | 29.94 0.08 0.00 |
| WESTERN_NY_WIND 24143 | 41.13 -1.67 0.00 | 32.19 -1.77 0.00 | 30.69 -1.59 0.00 | 29.61 -1.53 0.00 | 29.51 -1.58 0.00 | 29.17 -1.50 0.00 | 34.71 -1.70 0.00 | 31.86 -1.80 0.00 | 31.28 -1.68 0.00 | 32.69 -2.08 0.00 | 29.62 -1.71 0.00 | 26.61 -1.84 0.61 | 25.19 -1.75 0.00 | 24.22 -1.47 0.00 | 21.83 -1.40 0.00 | 16.79 -1.26 2.44 | 21.83 -1.23 0.00 | 23.16 -1.45 0.00 | 30.34 -2.27 0.00 | 40.94 -2.64 0.00 | 44.81 -2.67 3.16 | 36.62 -2.19 0.17 | 32.23 -1.73 0.00 | 28.38 -1.46 0.02 |
| WESTOVER___LESR 323668 | 41.98 -0.81 0.00 | 33.20 -0.76 0.00 | 31.58 -0.70 0.00 | 30.45 -0.69 0.00 | 30.38 -0.71 0.00 | 29.99 -0.68 0.00 | 35.61 -0.81 0.00 | 32.87 -0.79 0.00 | 32.14 -0.83 0.00 | 33.77 -0.99 0.00 | 30.43 -0.91 0.00 | 29.07 -0.86 -0.87 | 26.83 -0.11 0.00 | 25.63 -0.06 0.00 | 23.13 -0.09 0.00 | 23.91 -0.07 -3.49 | 23.02 -0.04 0.00 | 24.62 0.01 0.00 | 32.62 0.01 0.00 | 43.69 0.11 0.00 | 55.31 0.16 -4.51 | 39.23 0.02 -0.24 | 33.94 -0.02 0.00 | 29.89 0.00 -0.03 |
| WETHRSFD_WT_PWR 323626 | 40.25 -2.54 0.00 | 31.56 -2.40 0.00 | 30.15 -2.14 0.00 | 29.07 -2.07 0.00 | 28.98 -2.12 0.00 | 28.60 -2.07 0.00 | 33.99 -2.43 0.00 | 31.27 -2.39 0.00 | 30.76 -2.21 0.00 | 32.09 -2.68 0.00 | 29.09 -2.25 0.00 | 25.78 -2.30 0.98 | 24.82 -2.13 0.00 | 23.91 -1.78 0.00 | 21.45 -1.78 0.00 | 14.94 -1.63 3.91 | 21.45 -1.61 0.00 | 22.84 -1.78 0.00 | 29.99 -2.62 0.00 | 40.40 -3.19 0.00 | 42.10 -3.47 5.06 | 35.85 -2.86 0.27 | 31.60 -2.36 0.00 | 27.83 -1.99 0.03 |
| WHAVSTOR_138KV_BK127 55557 | 44.53 1.74 0.00 | 35.43 1.48 0.00 | 33.67 1.38 0.00 | 32.40 1.25 0.00 | 32.32 1.23 0.00 | 31.89 1.22 0.00 | 37.85 1.43 0.00 | 35.22 1.56 0.00 | 34.65 1.68 0.00 | 36.65 1.88 0.00 | 33.16 1.82 0.00 | 30.94 1.80 -0.09 | 28.58 1.63 0.00 | 27.29 1.60 0.00 | 24.63 1.41 0.00 | 22.13 1.29 -0.36 | 24.50 1.43 0.00 | 26.17 1.56 0.00 | 34.51 1.90 0.00 | 45.90 2.32 0.00 | 53.73 2.63 -0.46 | 40.94 1.93 -0.02 | 35.57 1.61 0.00 | 31.33 1.47 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 44.53 1.74 0.00 | 35.43 1.48 0.00 | 33.67 1.38 0.00 | 32.40 1.25 0.00 | 32.32 1.23 0.00 | 31.89 1.22 0.00 | 37.85 1.43 0.00 | 35.22 1.56 0.00 | 34.65 1.68 0.00 | 36.65 1.88 0.00 | 33.16 1.82 0.00 | 30.94 1.80 -0.09 | 28.58 1.63 0.00 | 27.29 1.60 0.00 | 24.63 1.41 0.00 | 22.13 1.29 -0.36 | 24.50 1.43 0.00 | 26.17 1.56 0.00 | 34.51 1.90 0.00 | 45.90 2.32 0.00 | 53.73 2.63 -0.46 | 40.94 1.93 -0.02 | 35.57 1.61 0.00 | 31.33 1.47 0.00 |
| WHITEHAL_115KV_TB1 80871 | 46.11 3.32 0.00 | 36.50 2.55 0.00 | 34.78 2.49 0.00 | 33.20 2.06 0.00 | 33.13 2.04 0.00 | 33.02 2.35 0.00 | 39.03 2.62 0.00 | 36.01 2.36 0.00 | 35.05 2.08 0.00 | 36.55 1.79 0.00 | 32.35 1.01 0.00 | 30.12 1.06 0.00 | 27.91 0.97 0.00 | 26.40 0.72 0.00 | 23.70 0.47 0.00 | 21.16 0.67 0.00 | 24.10 1.04 0.00 | 26.25 1.63 0.00 | 35.01 2.39 0.00 | 46.95 3.37 0.00 | 54.44 3.80 0.00 | 41.62 2.64 0.00 | 36.32 2.36 0.00 | 31.79 1.93 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 45.03 2.23 0.00 | 35.83 1.87 0.00 | 34.03 1.74 0.00 | 32.75 1.60 0.00 | 32.66 1.57 0.00 | 32.23 1.56 0.00 | 38.24 1.83 0.00 | 35.59 1.94 0.00 | 35.05 2.08 0.00 | 37.08 2.32 0.00 | 33.55 2.21 0.00 | 31.21 2.15 0.00 | 28.92 1.97 0.00 | 27.59 1.90 0.00 | 24.91 1.68 0.00 | 22.01 1.53 0.00 | 24.78 1.71 0.00 | 26.49 1.88 0.00 | 34.94 2.33 0.00 | 46.45 2.86 0.00 | 53.90 3.26 0.00 | 41.42 2.44 0.00 | 36.01 2.05 0.00 | 31.69 1.83 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 44.95 2.16 0.00 | 36.19 2.23 0.00 | 34.47 2.18 -0.01 | 33.26 2.12 0.00 | 33.11 2.02 0.00 | 32.71 2.05 0.00 | 38.56 2.14 0.00 | 35.21 1.55 0.00 | 36.78 2.09 -1.72 | 53.60 2.41 -16.42 | 46.23 2.03 -12.86 | 40.84 1.95 -9.84 | 31.92 1.87 -3.11 | 27.22 1.54 0.00 | 24.64 1.42 0.00 | 21.81 1.32 0.00 | 25.09 1.99 -0.04 | 38.40 2.21 -11.58 | 106.73 2.80 -71.32 | 103.47 3.19 -56.69 | 94.45 3.94 -39.86 | 80.08 3.04 -38.07 | 53.92 2.54 -17.42 | 46.42 2.20 -14.35 |
| WOODARD_115KV_TB2 355635 | 41.78 -1.01 0.00 | 33.10 -0.86 0.00 | 31.46 -0.82 0.00 | 30.36 -0.79 0.00 | 30.30 -0.79 0.00 | 29.90 -0.76 0.00 | 35.50 -0.92 0.00 | 32.78 -0.88 0.00 | 32.08 -0.90 0.00 | 33.89 -0.88 0.00 | 30.54 -0.80 0.00 | 28.20 -0.77 0.09 | 26.37 -0.58 0.00 | 25.16 -0.53 0.00 | 22.74 -0.48 0.00 | 19.70 -0.42 0.36 | 22.59 -0.47 0.00 | 24.10 -0.51 0.00 | 31.92 -0.70 0.00 | 42.72 -0.86 0.00 | 49.20 -0.97 0.47 | 38.16 -0.79 0.02 | 33.24 -0.72 0.00 | 29.22 -0.63 0.00 |
| WOODMERE_69_KV_BK1 55827 | 45.43 2.64 0.00 | 36.42 2.46 0.00 | 34.58 2.28 -0.01 | 33.28 2.13 0.00 | 33.16 2.08 0.00 | 32.75 2.08 0.00 | 38.74 2.32 0.00 | 35.82 2.16 0.00 | 38.57 2.50 -3.09 | 67.19 2.96 -29.47 | 57.22 2.79 -23.09 | 51.48 2.72 -19.71 | 35.04 2.52 -5.57 | 27.97 2.28 0.00 | 25.23 2.00 0.00 | 22.28 1.80 0.00 | 25.26 2.12 -0.08 | 44.44 2.27 -17.55 | 138.98 2.84 -103.53 | 125.20 3.47 -78.15 | 104.67 3.83 -50.21 | 93.36 2.89 -51.49 | 58.45 2.48 -22.01 | 57.87 2.25 -25.76 |
| YORK___WARBASSE 23770 | 44.93 2.14 0.00 | 35.80 1.84 0.00 | 34.00 1.71 0.00 | 32.71 1.56 0.00 | 32.62 1.53 0.00 | 32.18 1.51 0.00 | 38.18 1.76 0.00 | 35.58 1.93 0.00 | 35.06 2.09 0.00 | 37.14 2.37 0.00 | 33.64 2.30 0.00 | 31.30 2.24 0.00 | 29.03 2.09 0.00 | 27.73 2.04 0.00 | 25.02 1.80 0.00 | 22.11 1.63 0.00 | 24.85 1.79 0.00 | 26.52 1.91 0.00 | 34.94 2.32 0.00 | 46.33 2.75 0.00 | 53.78 3.14 0.00 | 41.38 2.40 0.00 | 36.00 2.04 0.00 | 31.71 1.85 0.00 |