

Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Zonal Data

10/20/2002

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|-----------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|---------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| CAPITL 61757 | 48.43 -0.15 -51.09 | 45.52 0.01 -45.15 | 46.05 -0.09 -47.63 | 36.30 0.06 -35.08 | 22.27 0.63 -11.16 | 24.66 0.59 -13.92 | 22.21 0.78 -8.69 | 41.86 -0.06 -42.69 | 43.32 0.38 -36.55 | 58.21 -0.07 -59.06 | 55.32 0.31 -50.84 | 65.20 0.31 -60.87 | 58.43 0.48 -51.73 | 68.98 0.32 -64.21 | 54.04 0.43 -47.62 | 62.76 0.25 -59.01 | 55.49 0.63 -45.98 | 62.45 0.53 -54.81 | 148.91 1.50 -130.62 | 106.38 0.08 -105.38 | 74.79 0.84 -63.59 | 52.97 2.00 -26.76 | 34.22 0.40 -28.34 | 18.13 1.02 -2.29 |
| CENTRL 61754 | 2.72 0.04 -5.18 | 4.94 0.00 -4.58 | 3.36 0.03 -4.83 | 4.69 -0.02 -3.56 | 11.42 -0.19 -1.13 | 11.37 -0.19 -1.41 | 13.39 -0.23 -0.88 | 3.59 0.01 -4.35 | 10.02 -0.08 -3.71 | 5.23 0.01 -6.00 | 9.27 -0.06 -5.15 | 10.14 -0.06 -6.17 | 11.38 -0.10 -5.24 | 10.91 -0.07 -6.53 | 10.74 -0.09 -4.84 | 9.44 -0.05 -5.99 | 13.38 -0.17 -4.67 | 12.53 -0.16 -5.57 | 29.83 -0.40 -13.43 | 11.64 -0.02 -10.74 | 16.61 -0.22 -6.47 | 26.34 -0.59 -2.72 | 8.26 -0.10 -2.88 | 14.79 -0.26 -0.23 |
| DUNWOD 61760 | 36.34 -0.10 -38.95 | 34.81 0.02 -34.43 | 34.77 -0.04 -36.31 | 27.92 0.03 -26.74 | 19.26 0.28 -8.50 | 21.03 0.28 -10.61 | 19.77 0.40 -6.62 | 31.79 -0.02 -32.58 | 34.52 0.26 -27.88 | 44.24 -0.03 -45.05 | 43.11 0.18 -38.76 | 50.60 0.16 -46.40 | 45.92 0.25 -39.44 | 53.62 0.18 -49.00 | 42.47 0.25 -36.22 | 48.48 0.15 -44.82 | 44.22 0.42 -34.93 | 49.11 0.33 -41.66 | 117.41 0.77 -99.84 | 81.17 0.04 -80.22 | 59.15 0.42 -48.38 | 45.58 1.04 -20.34 | 27.23 0.23 -21.52 | 17.11 0.53 -1.76 |
| GENESE 61753 | 2.78 0.02 -5.27 | 5.02 0.00 -4.66 | 3.42 0.01 -4.91 | 4.75 0.00 -3.60 | 11.57 -0.06 -1.14 | 11.51 -0.06 -1.43 | 13.58 -0.06 -0.89 | 3.62 0.00 -4.39 | 10.14 0.01 -3.75 | 5.27 0.00 -6.06 | 9.40 0.03 -5.20 | 10.29 0.03 -6.23 | 11.56 0.04 -5.29 | 11.06 0.02 -6.59 | 10.90 0.03 -4.88 | 9.56 0.01 -6.04 | 13.60 0.01 -4.71 | 12.73 0.00 -5.62 | 30.38 0.05 -13.54 | 11.75 0.01 -10.83 | 16.98 0.10 -6.53 | 27.04 0.09 -2.74 | 8.39 0.00 -2.90 | 15.09 0.04 -0.23 |
| H Q 61844 | 5.80 0.00 -8.31 | 7.69 0.00 -7.33 | 6.25 0.00 -7.75 | 6.81 0.00 -5.66 | 12.27 0.00 -1.78 | 12.37 0.00 -2.23 | 14.13 0.00 -1.39 | 6.02 0.00 -6.79 | 12.21 0.00 -5.83 | 8.64 0.00 -9.42 | 12.31 0.00 -8.14 | 13.77 0.00 -9.74 | 14.51 0.00 -8.28 | 14.67 0.00 -10.23 | 13.61 0.00 -7.62 | 12.95 0.00 -9.45 | 16.24 0.00 -7.36 | 15.87 0.00 -8.76 | 37.32 0.00 -20.52 | 17.70 0.00 -16.79 | 20.50 0.00 -10.15 | 28.49 0.00 -4.29 | 10.02 0.00 -4.54 | 15.18 0.00 -0.37 |
| HUD VL 61758 | 35.94 -0.05 -38.50 | 34.39 0.01 -34.02 | 34.38 -0.02 -35.90 | 27.60 0.01 -26.44 | 19.01 0.12 -8.41 | 20.77 0.14 -10.49 | 19.50 0.21 -6.55 | 31.40 -0.01 -32.18 | 34.08 0.14 -27.55 | 43.72 -0.02 -44.52 | 42.59 0.10 -38.32 | 49.99 0.09 -45.87 | 45.35 0.14 -38.99 | 52.95 0.10 -48.40 | 42.04 0.14 -35.91 | 48.10 0.09 -44.51 | 43.80 0.24 -34.68 | 48.65 0.19 -41.35 | 115.92 0.46 -98.66 | 80.46 0.02 -79.52 | 58.59 0.25 -47.98 | 45.01 0.62 -20.18 | 26.98 0.13 -21.37 | 16.83 0.27 -1.74 |
| LONGIL 61762 | 36.41 -0.14 -39.06 | 34.91 0.03 -34.52 | 34.86 -0.07 -36.42 | 28.02 0.05 -26.82 | 19.45 0.43 -8.53 | 21.22 0.43 -10.65 | 20.00 0.61 -6.65 | 31.85 -0.04 -32.66 | 36.19 0.40 -29.41 | 44.68 -0.05 -45.51 | 43.29 0.25 -38.87 | 50.79 0.22 -46.54 | 46.10 0.32 -39.55 | 53.78 0.23 -49.11 | 42.65 0.33 -36.33 | 48.70 0.22 -44.98 | 44.51 0.57 -35.05 | 49.32 0.40 -41.80 | 117.58 0.84 -99.93 | 81.35 0.04 -80.40 | 59.33 0.48 -48.50 | 45.90 1.29 -20.40 | 27.38 0.31 -21.59 | 17.30 0.73 -1.76 |
| MHK VL 61756 | -1.79 -0.02 -0.73 | 1.01 0.00 -0.65 | -0.82 -0.01 -0.68 | 1.66 0.01 -0.50 | 10.71 0.06 -0.16 | 10.41 0.07 -0.20 | 12.96 0.09 -0.13 | -0.15 -0.01 -0.63 | 6.95 0.04 -0.53 | 0.07 -0.01 -0.86 | 4.94 0.03 -0.73 | 4.94 0.03 -0.88 | 7.03 0.05 -0.74 | 5.42 0.03 -0.94 | 6.73 0.05 -0.69 | 4.38 0.03 -0.85 | 9.64 0.10 -0.66 | 7.99 0.09 -0.79 | 19.03 0.24 -1.99 | 2.47 0.01 -1.54 | 11.41 0.14 -0.93 | 24.90 0.31 -0.39 | 5.95 0.06 -0.41 | 14.98 0.13 -0.03 |
| MILLWD 61759 | 35.97 -0.06 -38.53 | 34.42 0.01 -34.05 | 34.41 -0.02 -35.93 | 27.62 0.01 -26.46 | 19.03 0.13 -8.41 | 20.78 0.14 -10.50 | 19.52 0.22 -6.55 | 31.39 -0.01 -32.18 | 34.11 0.17 -27.56 | 43.73 -0.02 -44.53 | 42.63 0.11 -38.35 | 50.04 0.10 -45.91 | 45.41 0.16 -39.02 | 52.96 0.12 -48.40 | 41.97 0.16 -35.81 | 47.94 0.10 -44.33 | 43.71 0.28 -34.55 | 48.52 0.22 -41.18 | 115.49 0.51 -98.19 | 80.13 0.02 -79.19 | 58.40 0.27 -47.78 | 44.99 0.67 -20.11 | 26.91 0.15 -21.28 | 16.87 0.32 -1.74 |
| N.Y.C. 61761 | 51.74 -0.14 -54.38 | 37.69 0.02 -37.31 | 36.03 -0.07 -37.60 | 28.03 0.05 -26.83 | 19.44 0.43 -8.53 | 21.22 0.43 -10.65 | 23.68 0.60 -10.33 | 36.80 -0.03 -37.61 | 36.84 0.37 -30.09 | 46.44 -0.05 -47.27 | 43.90 0.24 -39.49 | 50.84 0.23 -46.58 | 46.15 0.36 -39.56 | 62.68 0.26 -57.98 | 43.33 0.35 -36.99 | 48.77 0.22 -45.05 | 44.72 0.57 -35.26 | 58.83 0.46 -51.26 | 119.50 1.07 -101.63 | 90.23 0.05 -89.27 | 60.92 0.57 -50.00 | 62.79 1.43 -37.16 | 53.21 0.32 -47.41 | 21.75 0.78 -6.16 |
| NORTH 61755 | -4.66 0.00 2.15 | -1.55 0.00 1.91 | -3.50 0.00 2.01 | -0.33 0.00 1.48 | 10.01 0.00 0.47 | 9.55 -0.01 0.59 | 12.37 -0.01 0.37 | -2.58 0.00 1.80 | 4.81 -0.03 1.54 | -3.27 0.00 2.49 | 2.01 -0.02 2.14 | 1.45 -0.01 2.56 | 4.03 -0.02 2.18 | 1.72 -0.02 2.71 | 3.97 -0.02 2.01 | 1.01 -0.01 2.49 | 6.95 0.00 1.94 | 4.81 0.02 2.31 | 11.29 0.03 5.54 | -3.54 0.00 4.45 | 7.68 0.01 2.69 | 23.14 0.06 1.13 | 4.29 0.01 1.20 | 14.75 0.03 0.10 |
| NPX 61845 | 44.35 -0.11 -46.96 | 41.87 0.01 -41.50 | 42.23 -0.06 -43.78 | 33.44 0.04 -32.25 | 21.14 0.40 -10.25 | 23.34 0.40 -12.80 | 21.26 0.52 -7.99 | 38.43 -0.04 -39.24 | 40.25 0.27 -33.60 | 53.46 -0.05 -54.29 | 51.11 0.21 -46.73 | 60.19 0.21 -55.95 | 54.11 0.33 -47.55 | 63.69 0.23 -59.02 | 50.04 0.29 -43.76 | 57.90 0.17 -54.22 | 51.58 0.44 -42.25 | 57.85 0.38 -50.36 | 137.82 1.03 -119.99 | 97.79 0.05 -96.83 | 69.34 0.56 -58.43 | 50.13 1.33 -24.59 | 31.79 0.27 -26.04 | 17.64 0.72 -2.10 |

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|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|
| OH 61846 | 4.54 | 6.19 | 4.93 | 5.51 | 10.32 | 10.36 | 11.88 | 4.85 | 10.08 | 6.95 | 10.01 | 11.18 | 11.80 | 11.94 | 11.11 | 10.51 | 13.26 | 12.92 | 30.49 | 14.32 | 16.70 | 23.24 | 8.22 | 12.72 |
| | 0.40 | -0.04 | 0.23 | -0.17 | -1.60 | -1.57 | -1.98 | 0.13 | -1.00 | 0.14 | -0.70 | -0.68 | -1.08 | -0.76 | -1.01 | -0.59 | -1.53 | -1.25 | -3.12 | -0.16 | -1.84 | -4.41 | -0.91 | -2.39 |
| | -6.65 | -5.87 | -6.20 | -4.54 | -1.43 | -1.79 | -1.12 | -5.49 | -4.70 | -7.59 | -6.54 | -7.83 | -6.65 | -8.26 | -6.13 | -7.60 | -5.92 | -7.05 | -16.81 | -13.56 | -8.18 | -3.44 | -3.65 | -0.29 |
| PJM 61847 | 6.29 | 7.99 | 6.66 | 6.97 | 11.78 | 11.90 | 13.48 | 6.39 | 12.11 | 9.11 | 12.37 | 13.89 | 14.40 | 14.83 | 13.53 | 13.10 | 15.96 | 15.77 | 37.30 | 18.41 | 20.17 | 26.82 | 9.84 | 14.23 |
| | 0.14 | -0.01 | 0.09 | -0.06 | -0.56 | -0.56 | -0.71 | 0.05 | -0.36 | 0.06 | -0.27 | -0.28 | -0.44 | -0.31 | -0.40 | -0.23 | -0.59 | -0.48 | -1.26 | -0.07 | -0.78 | -1.85 | -0.36 | -0.96 |
| | -8.65 | -7.64 | -8.06 | -5.89 | -1.86 | -2.32 | -1.45 | -7.11 | -6.09 | -9.84 | -8.47 | -10.14 | -8.61 | -10.69 | -7.93 | -9.83 | -7.66 | -9.13 | -21.76 | -17.56 | -10.60 | -4.46 | -4.72 | -0.38 |
| WEST 61752 | 4.13 | 6.10 | 4.64 | 5.53 | 11.36 | 11.35 | 13.15 | 4.68 | 10.62 | 6.73 | 10.27 | 11.40 | 12.26 | 12.23 | 11.58 | 10.69 | 14.01 | 13.48 | 31.98 | 14.16 | 17.57 | 25.51 | 8.68 | 14.20 |
| | 0.15 | 0.00 | 0.08 | -0.05 | -0.53 | -0.54 | -0.68 | 0.06 | -0.37 | 0.07 | -0.29 | -0.29 | -0.47 | -0.32 | -0.41 | -0.24 | -0.66 | -0.55 | -1.49 | -0.07 | -0.81 | -2.07 | -0.37 | -0.91 |
| | -6.49 | -5.74 | -6.06 | -4.43 | -1.40 | -1.75 | -1.09 | -5.40 | -4.61 | -7.44 | -6.40 | -7.65 | -6.51 | -8.11 | -6.00 | -7.43 | -5.79 | -6.91 | -16.67 | -13.32 | -8.03 | -3.37 | -3.57 | -0.29 |