

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

04/06/2009

| 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 | 32.13  | 27.69  | 26.70  | 29.57 | 29.86 | 31.39  | 78.99  | 81.96  | 72.40  | 72.52  | 62.61  | 61.49  | 57.77  | 59.70  | 56.64  | 56.95  | 59.94  | 59.46  | 55.77  | 64.89  | 65.37  | 52.47  | 44.79  | 42.69  |
| 61757  | 1.19   | 1.44   | 1.39   | 1.48  | 1.50  | 1.51   | 1.95   | 1.19   | 1.42   | 1.42   | 1.64   | 1.48   | 1.45   | 1.45   | 1.45   | 1.45   | 1.43   | 1.41   | 1.40   | 1.66   | 1.66   | 1.42   | 1.12   | 1.63   |
|        | -7.53  | -0.07  | 0.00   | -0.71 | -0.14 | -2.35  | -43.91 | -61.58 | -46.51 | -44.76 | -28.83 | -30.33 | -26.63 | -28.60 | -25.50 | -25.84 | -31.56 | -31.00 | -26.44 | -33.67 | -31.86 | -21.46 | -18.83 | -8.39  |
| CENTRL | 24.13  | 26.27  | 25.56  | 27.74 | 28.27 | 28.17  | 37.95  | 26.57  | 29.94  | 31.57  | 35.71  | 33.35  | 32.92  | 33.06  | 32.76  | 32.71  | 30.58  | 30.41  | 31.00  | 33.39  | 35.61  | 32.01  | 26.81  | 33.29  |
| 61754  | -0.19  | 0.08   | 0.25   | 0.27  | 0.03  | 0.36   | -0.40  | 0.06   | -0.02  | -0.05  | 0.16   | 0.09   | 0.09   | 0.06   | 0.09   | 0.03   | -0.08  | -0.27  | -0.03  | -0.15  | 0.00   | -0.12  | -0.25  | -0.36  |
|        | -0.90  | -0.01  | 0.00   | -0.09 | -0.02 | -0.28  | -5.22  | -7.33  | -5.49  | -5.28  | -3.40  | -3.58  | -3.14  | -3.35  | -2.99  | -3.03  | -3.70  | -3.63  | -3.10  | -3.97  | -3.76  | -2.53  | -2.22  | -0.99  |
| DUNWOD | 31.27  | 28.44  | 27.46  | 30.15 | 30.65 | 31.76  | 69.69  | 68.64  | 62.90  | 63.85  | 58.13  | 56.57  | 53.71  | 55.20  | 52.79  | 53.02  | 54.41  | 54.05  | 51.47  | 58.98  | 60.23  | 49.49  | 42.13  | 42.12  |
| 61760  | 1.97   | 2.20   | 2.15   | 2.22  | 2.31  | 2.40   | 2.45   | 1.61   | 2.15   | 2.61   | 3.50   | 3.24   | 3.27   | 3.23   | 3.21   | 3.20   | 2.83   | 2.81   | 2.90   | 3.16   | 3.53   | 3.17   | 2.61   | 2.91   |
|        | -5.89  | -0.06  | 0.00   | -0.56 | -0.11 | -1.84  | -34.11 | -47.84 | -36.27 | -34.91 | -22.48 | -23.65 | -20.77 | -22.31 | -19.90 | -20.17 | -24.62 | -24.19 | -20.63 | -26.26 | -24.85 | -16.73 | -14.69 | -6.55  |
| GENESE | 22.75  | 25.27  | 24.77  | 26.89 | 27.17 | 27.22  | 35.39  | 24.02  | 27.46  | 29.11  | 33.56  | 31.24  | 30.91  | 31.02  | 30.81  | 30.69  | 28.49  | 28.47  | 28.93  | 30.98  | 33.58  | 30.03  | 24.93  | 31.38  |
| 61753  | -1.33  | -0.92  | -0.53  | -0.55 | -1.07 | -0.52  | -1.66  | -0.67  | -1.17  | -1.24  | -1.16  | -1.16  | -1.16  | -1.19  | -1.16  | -1.28  | -1.29  | -1.35  | -1.37  | -1.60  | -1.11  | -1.48  | -1.59  | -2.02  |
|        | -0.67  | -0.01  | 0.00   | -0.06 | -0.01 | -0.21  | -3.92  | -5.50  | -4.16  | -4.01  | -2.58  | -2.71  | -2.38  | -2.56  | -2.28  | -2.31  | -2.82  | -2.77  | -2.36  | -3.01  | -2.85  | -1.92  | -1.69  | -0.75  |
| H Q    | 23.11  | 25.66  | 24.70  | 26.72 | 27.69 | 26.81  | 32.76  | 20.00  | 25.76  | 25.32  | 29.00  | 29.00  | 29.00  | 29.00  | 29.00  | 29.00  | 26.42  | 26.59  | 27.34  | 29.00  | 31.14  | 29.00  | 24.25  | 32.37  |
| 61844  | -0.30  | -0.52  | -0.61  | -0.66 | -0.54 | -0.72  | -0.36  | -0.38  | -0.44  | -0.50  | -0.74  | -0.68  | -0.68  | -0.65  | -0.68  | -0.65  | -0.54  | -0.46  | -0.59  | -0.56  | -0.70  | -0.59  | -0.42  | -0.46  |
|        | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00   | 0.00   | -1.19  | -1.73  | 0.52   | 2.40   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.16   | -0.16  |        |
| HUD VL | 30.96  | 28.25  | 27.28  | 30.00 | 30.48 | 31.55  | 68.61  | 67.34  | 61.71  | 62.64  | 57.18  | 55.61  | 52.80  | 54.20  | 51.86  | 52.09  | 53.38  | 53.03  | 50.60  | 57.89  | 59.21  | 48.67  | 41.54  | 41.63  |
| 61758  | 1.80   | 2.02   | 1.97   | 2.08  | 2.15  | 2.23   | 2.22   | 1.50   | 1.98   | 2.37   | 3.18   | 2.94   | 2.94   | 2.91   | 2.88   | 2.88   | 2.53   | 2.52   | 2.65   | 2.81   | 3.22   | 2.81   | 2.43   | 2.61   |
|        | -5.74  | -0.05  | 0.00   | -0.54 | -0.10 | -1.79  | -33.26 | -46.65 | -35.25 | -33.93 | -21.85 | -22.99 | -20.18 | -21.65 | -19.30 | -19.56 | -23.89 | -23.47 | -20.01 | -25.52 | -24.15 | -16.26 | -14.28 | -6.36  |
| LONGIL | 50.21  | 48.53  | 47.65  | 36.00 | 41.00 | 49.98  | 69.90  | 69.01  | 63.28  | 64.37  | 85.63  | 61.23  | 59.17  | 59.47  | 58.35  | 58.46  | 57.54  | 59.42  | 59.31  | 91.13  | 93.25  | 61.20  | 51.84  | 49.71  |
| 61762  | 2.58   | 2.91   | 2.86   | 3.01  | 3.11  | 3.17   | 2.65   | 1.96   | 2.52   | 3.11   | 4.27   | 3.92   | 3.92   | 3.88   | 3.74   | 3.77   | 3.37   | 3.41   | 3.55   | 3.84   | 4.30   | 3.79   | 3.15   | 3.72   |
|        | -24.22 | -19.44 | -19.49 | -5.61 | -9.67 | -19.28 | -34.13 | -47.86 | -36.29 | -34.93 | -49.21 | -27.63 | -25.57 | -25.94 | -24.93 | -25.04 | -27.21 | -28.96 | -27.83 | -57.72 | -57.11 | -27.82 | -23.85 | -13.32 |
| MHK VL | 24.35  | 26.29  | 25.43  | 27.60 | 28.33 | 28.03  | 38.63  | 26.67  | 30.09  | 31.74  | 35.93  | 33.62  | 33.12  | 33.10  | 32.93  | 32.87  | 30.57  | 30.47  | 31.04  | 33.73  | 35.74  | 32.30  | 26.98  | 33.70  |
| 61756  | 0.02   | 0.10   | 0.13   | 0.14  | 0.08  | 0.22   | 0.36   | 0.27   | 0.39   | 0.37   | 0.55   | 0.53   | 0.45   | 0.44   | 0.56   | 0.50   | 0.30   | 0.16   | 0.34   | 0.38   | 0.32   | 0.30   | 0.02   | 0.10   |
|        | -0.91  | -0.01  | 0.00   | -0.09 | -0.02 | -0.28  | -5.14  | -7.21  | -5.22  | -5.03  | -3.24  | -3.41  | -2.99  | -3.00  | -2.68  | -2.72  | -3.32  | -3.26  | -2.78  | -3.78  | -3.58  | -2.41  | -2.12  | -0.94  |
| MILLWD | 31.22  | 28.36  | 27.38  | 30.10 | 30.57 | 31.69  | 69.75  | 68.77  | 63.02  | 63.97  | 58.14  | 56.59  | 53.70  | 55.21  | 52.76  | 52.99  | 54.42  | 54.08  | 51.45  | 59.02  | 60.29  | 49.46  | 42.08  | 41.98  |
| 61759  | 1.90   | 2.12   | 2.07   | 2.16  | 2.23  | 2.31   | 2.39   | 1.55   | 2.10   | 2.55   | 3.41   | 3.15   | 3.15   | 3.14   | 3.09   | 3.08   | 2.72   | 2.73   | 2.79   | 3.07   | 3.47   | 3.05   | 2.48   | 2.74   |
|        | -5.91  | -0.06  | 0.00   | -0.56 | -0.11 | -1.84  | -34.24 | -48.02 | -36.44 | -35.08 | -22.59 | -23.76 | -20.87 | -22.41 | -19.99 | -20.26 | -24.73 | -24.30 | -20.72 | -26.38 | -24.97 | -16.82 | -14.76 | -6.58  |
| N.Y.C. | 31.56  | 28.73  | 27.71  | 30.45 | 30.94 | 32.01  | 69.66  | 67.85  | 62.98  | 64.00  | 58.36  | 56.78  | 53.93  | 55.41  | 53.00  | 53.24  | 54.58  | 54.25  | 51.67  | 59.17  | 60.43  | 49.74  | 42.43  | 42.49  |
| 61761  | 2.25   | 2.49   | 2.40   | 2.52  | 2.60  | 2.64   | 2.42   | 1.59   | 2.23   | 2.74   | 3.73   | 3.44   | 3.47   | 3.44   | 3.41   | 3.41   | 2.99   | 3.00   | 3.10   | 3.34   | 3.73   | 3.40   | 2.91   | 3.27   |
|        | -5.89  | -0.06  | 0.00   | -0.56 | -0.11 | -1.84  | -34.12 | -47.06 | -36.28 | -34.92 | -22.49 | -23.66 | -20.77 | -22.32 | -19.90 | -20.17 | -24.63 | -24.20 | -20.64 | -26.26 | -24.86 | -16.74 | -14.69 | -6.56  |
| NORTH  | 22.81  | 25.13  | 24.12  | 26.09 | 27.13 | 26.15  | 32.56  | 18.63  | 23.81  | 25.60  | 31.08  | 28.70  | 28.70  | 28.61  | 28.70  | 28.70  | 26.07  | 26.29  | 26.98  | 28.73  | 30.86  | 28.73  | 24.09  | 31.71  |
| 61755  | -0.61  | -1.05  | -1.19  | -1.29 | -1.10 | -1.38  | -0.56  | -0.56  | -0.66  | -0.74  | -1.06  | -0.98  | -0.98  | -1.04  | -0.98  | -0.95  | -0.89  | -0.76  | -0.95  | -0.83  | -0.99  | -0.86  | -0.75  | -0.95  |
|        | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| NPX    | 31.78  | 28.00  | 27.00  | 29.80 | 30.19 | 30.63  | 30.00  | 26.45  | 38.80  | 44.99  | 57.95  | 59.09  | 55.74  | 57.48  | 54.70  | 54.98  | 57.27  | 56.86  | 53.66  | 61.99  | 62.79  | 50.95  | 43.32  | 42.47  |
| 61845  | 1.52   | 1.75   | 1.70   | 1.78  | 1.83  | 1.87   | 2.22   | 1.38   | 1.66   | 1.71   | 2.06   | 1.90   | 1.90   | 1.87   | 1.87   | 1.87   | 1.67   | 1.68   | 1.73   | 1.89   | 2.04   | 1.89   | 1.56   | 2.02   |
|        | -6.85  | -0.07  | 0.00   | -0.65 | -0.12 | -1.22  | 5.35   | -5.88  | -12.66 | -16.94 | -23.75 | -27.51 | -24.15 | -25.95 | -23.14 | -23.46 | -28.64 | -28.14 | -24.00 | -30.54 | -28.90 | -19.46 | -16.92 | -7.79  |

|               |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |
|---------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| OH<br>61846   | 22.29 | 24.75 | 24.44 | 26.55 | 26.46 | 26.73 | 33.99  | 25.06  | 28.47  | 27.73  | 29.65  | 29.93  | 29.48  | 29.60  | 29.40  | 29.32  | 27.37  | 27.36  | 27.83  | 29.94  | 32.07  | 28.65  | 23.79 | 29.92 |
|               | -1.92 | -1.44 | -0.86 | -0.90 | -1.78 | -1.05 | -3.74  | -1.78  | -2.62  | -2.79  | -3.12  | -2.94  | -3.00  | -3.05  | -2.97  | -3.05  | -2.91  | -2.95  | -2.88  | -3.16  | -3.12  | -3.20  | -2.86 | -3.79 |
|               | -0.79 | -0.01 | 0.00  | -0.07 | -0.01 | -0.25 | -4.61  | -7.65  | -6.61  | -4.19  | -0.63  | -3.19  | -2.80  | -3.01  | -2.68  | -2.72  | -3.32  | -3.26  | -2.78  | -3.54  | -3.35  | -2.25  | -1.82 | -1.05 |
| PJM<br>61847  | 27.06 | 26.56 | 26.72 | 29.20 | 29.65 | 28.78 | 51.00  | 51.27  | 49.32  | 50.38  | 46.67  | 47.21  | 45.32  | 46.14  | 44.62  | 43.55  | 43.55  | 43.55  | 41.64  | 48.61  | 48.64  | 42.24  | 35.77 | 36.59 |
|               | -0.28 | 0.34  | 1.42  | 1.45  | 1.35  | 0.03  | -0.70  | 0.83   | -1.03  | 1.32   | 1.96   | 1.78   | 1.81   | 1.63   | 1.69   | 1.63   | 1.37   | 1.33   | -0.03  | 1.57   | 0.25   | 1.51   | 1.32  | -0.82 |
|               | -3.92 | -0.04 | 0.00  | -0.37 | -0.07 | -1.22 | -18.57 | -31.25 | -25.87 | -22.73 | -12.57 | -15.75 | -13.83 | -14.86 | -13.25 | -12.27 | -15.22 | -15.18 | -13.74 | -17.48 | -16.54 | -11.14 | -9.61 | -4.75 |
| WEST<br>61752 | 23.00 | 25.38 | 25.05 | 27.19 | 27.20 | 27.51 | 28.34  | 25.50  | 28.46  | 30.00  | 30.00  | 30.00  | 30.00  | 30.00  | 30.00  | 30.00  | 28.92  | 28.91  | 28.17  | 28.38  | 29.35  | 27.85  | 25.20 | 27.40 |
|               | -1.31 | -0.81 | -0.25 | -0.27 | -1.04 | -0.30 | -2.62  | -1.02  | -1.57  | -1.66  | -1.67  | -1.63  | -1.66  | -1.81  | -1.69  | -1.84  | -1.81  | -1.84  | -1.65  | -1.89  | -1.78  | -2.04  | -1.89 | -2.71 |
|               | -0.90 | -0.01 | 0.00  | -0.08 | -0.02 | -0.28 | 2.17   | -7.33  | -5.55  | -5.32  | 0.47   | -1.95  | -1.98  | -2.16  | -2.01  | -2.19  | -3.77  | -3.70  | -1.88  | -0.71  | 0.71   | -0.30  | -2.25 | 2.55  |