

# Day Ahead Market Zonal LBMP

|            |  | --- LBMP \$ |       |       |       |       |       |       |       |       |       |       | --- Marginal Cost of Losses |       |        |        |        |        |        |        |        |        |        | --- Marginal Cost of Congestion |       |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------------|-------|--|--|--|--|--|--|--|--|--|--|--|--|
| Zonal Data |  | 12/07/2008  |       |       |       |       |       |       |       |       |       |       |                             |       |        |        |        |        |        |        |        |        |        |                                 |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 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       |  | EST         | EST   | EST   | EST   | EST   | EST   | EST   | EST   | EST   | EST   | EST   | EST                         | EST   | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST                             | EST   |  |  |  |  |  |  |  |  |  |  |  |  |
| CAPITL     |  | 58.42       | 54.39 | 54.26 | 52.34 | 49.90 | 49.75 | 53.52 | 51.52 | 59.27 | 61.25 | 63.67 | 63.32                       | 61.93 | 58.44  | 55.82  | 56.24  | 71.41  | 88.16  | 84.96  | 76.24  | 68.23  | 64.87  | 59.35                           | 58.95 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61757      |  | 3.87        | 4.03  | 3.97  | 3.74  | 3.78  | 3.60  | 3.64  | 3.68  | 4.08  | 3.79  | 3.94  | 3.86                        | 3.73  | 3.36   | 3.21   | 3.38   | 4.95   | 5.14   | 5.01   | 4.78   | 5.05   | 4.75   | 3.67                            | 3.18  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 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   | -4.57  | -16.24 | -16.47 | -9.32  | 0.00   | 0.00   | 0.00                            | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |
| CENTRL     |  | 54.33       | 50.21 | 50.04 | 48.21 | 45.89 | 46.06 | 49.98 | 47.65 | 54.69 | 57.17 | 59.49 | 59.16                       | 57.85 | 54.64  | 52.04  | 52.28  | 61.93  | 69.14  | 65.91  | 63.91  | 64.25  | 60.60  | 55.40                           | 55.72 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61754      |  | -0.22       | -0.15 | -0.25 | -0.39 | -0.23 | -0.09 | 0.10  | -0.19 | -0.50 | -0.29 | -0.24 | -0.30                       | -0.35 | -0.44  | -0.58  | -0.58  | -0.50  | 0.47   | 0.51   | 0.68   | 1.07   | 0.48   | -0.28                           | -0.06 |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 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   | -0.53  | -1.90  | -1.92  | -1.09  | 0.00   | 0.00   | 0.00                            | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |
| DUNWOD     |  | 58.64       | 54.49 | 54.26 | 52.20 | 49.58 | 49.75 | 53.72 | 51.72 | 59.54 | 62.00 | 64.57 | 64.21                       | 62.97 | 59.64  | 56.98  | 57.41  | 71.26  | 86.09  | 82.54  | 75.70  | 69.99  | 65.77  | 60.13                           | 59.74 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61760      |  | 4.09        | 4.13  | 3.97  | 3.60  | 3.46  | 3.60  | 3.84  | 3.88  | 4.36  | 4.54  | 4.84  | 4.76                        | 4.77  | 4.57   | 4.37   | 4.55   | 5.94   | 7.15   | 6.73   | 6.59   | 6.82   | 5.65   | 4.45                            | 3.96  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01                        | 0.01  | 0.01   | 0.00   | 0.00   | -3.43  | -12.16 | -12.34 | -6.98  | 0.00   | 0.00   | 0.00                            | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |
| GENESE     |  | 53.84       | 49.76 | 49.43 | 47.43 | 45.34 | 45.50 | 49.48 | 46.26 | 52.70 | 55.28 | 57.52 | 57.08                       | 56.11 | 52.82  | 50.41  | 50.69  | 59.80  | 66.82  | 63.60  | 61.99  | 62.98  | 59.22  | 54.34                           | 55.50 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61753      |  | -0.71       | -0.60 | -0.85 | -1.17 | -0.78 | -0.65 | -0.40 | -1.58 | -2.48 | -2.18 | -2.21 | -2.38                       | -2.10 | -2.26  | -2.21  | -2.17  | -2.48  | -1.34  | -1.27  | -0.93  | -0.19  | -0.90  | -1.34                           | -0.28 |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 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   | -0.39  | -1.38  | -1.40  | -0.79  | 0.00   | 0.00   | 0.00                            | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |
| H Q        |  | 53.89       | 49.50 | 49.48 | 48.02 | 45.38 | 45.46 | 49.08 | 47.22 | 54.74 | 57.00 | 59.25 | 58.98                       | 57.74 | 54.69  | 52.25  | 53.27  | 60.19  | 65.31  | 62.02  | 60.64  | 60.34  | 59.74  | 55.02                           | 55.16 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61844      |  | -0.65       | -0.86 | -0.80 | -0.58 | -0.74 | -0.69 | -0.80 | -0.62 | -0.44 | -0.46 | -0.48 | -0.48                       | -0.47 | -0.39  | -0.37  | -0.42  | -0.87  | -1.47  | -1.46  | -1.49  | -1.83  | -1.38  | -0.67                           | -0.61 |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 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   | -0.83  | 0.83   | 0.00   | 0.00   | 0.00   | 1.00   | -1.00  | -0.01                           | 0.01  |  |  |  |  |  |  |  |  |  |  |  |  |
| HUD VL     |  | 58.53       | 54.34 | 54.06 | 52.05 | 49.44 | 49.61 | 53.52 | 51.48 | 59.38 | 61.83 | 64.39 | 64.02                       | 62.77 | 59.38  | 56.73  | 57.09  | 70.73  | 85.59  | 82.02  | 75.11  | 69.49  | 65.27  | 59.72                           | 59.57 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61758      |  | 3.98        | 3.98  | 3.77  | 3.45  | 3.32  | 3.46  | 3.64  | 3.64  | 4.19  | 4.37  | 4.66  | 4.58                        | 4.60  | 4.35   | 4.16   | 4.28   | 5.57   | 6.74   | 6.35   | 6.21   | 6.51   | 5.35   | 4.23                            | 3.79  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.02                        | 0.03  | 0.05   | 0.05   | 0.05   | -3.27  | -12.06 | -12.20 | -6.76  | 0.19   | 0.20   | 0.19                            | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |
| LONGIL     |  | 58.15       | 54.24 | 54.36 | 52.29 | 49.30 | 49.24 | 53.37 | 51.09 | 58.76 | 60.96 | 63.78 | 64.27                       | 62.91 | 59.76  | 57.56  | 58.21  | 74.61  | 89.85  | 85.31  | 79.03  | 73.81  | 69.41  | 63.63                           | 60.36 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61762      |  | 3.60        | 3.88  | 4.07  | 3.69  | 3.18  | 3.09  | 3.49  | 3.25  | 3.59  | 3.51  | 4.06  | 4.82                        | 4.71  | 4.68   | 4.95   | 5.34   | 7.30   | 9.75   | 8.95   | 8.45   | 8.53   | 6.55   | 4.40                            | 4.57  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 0.01  | 0.00  | 0.00                        | 0.00  | 0.00   | 0.00   | -0.01  | -5.42  | -13.32 | -12.88 | -8.45  | -2.11  | -2.74  | -3.55                           | -0.01 |  |  |  |  |  |  |  |  |  |  |  |  |
| MHK VL     |  | 55.20       | 50.96 | 50.79 | 49.18 | 46.68 | 46.75 | 50.73 | 48.70 | 56.34 | 58.72 | 61.04 | 60.83                       | 59.31 | 56.12  | 53.67  | 53.76  | 63.60  | 70.40  | 66.98  | 64.71  | 64.88  | 61.44  | 56.51                           | 56.56 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61756      |  | 0.65        | 0.60  | 0.50  | 0.58  | 0.55  | 0.60  | 0.85  | 0.86  | 1.16  | 1.26  | 1.31  | 1.37                        | 1.11  | 1.05   | 1.05   | 0.90   | 1.18   | 1.74   | 1.59   | 1.49   | 1.71   | 1.32   | 0.84                            | 0.78  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 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   | -0.53  | -1.89  | -1.91  | -1.08  | 0.00   | 0.00   | 0.00                            | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |
| MILLWD     |  | 58.64       | 54.44 | 54.21 | 52.15 | 49.49 | 49.70 | 53.52 | 51.72 | 59.49 | 62.00 | 64.57 | 64.18                       | 62.87 | 59.46  | 56.86  | 57.17  | 70.95  | 86.00  | 82.33  | 75.35  | 69.57  | 65.39  | 59.72                           | 59.68 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61759      |  | 4.09        | 4.08  | 3.92  | 3.55  | 3.37  | 3.55  | 3.64  | 3.88  | 4.30  | 4.54  | 4.84  | 4.76                        | 4.71  | 4.46   | 4.31   | 4.39   | 5.82   | 7.01   | 6.54   | 6.46   | 6.70   | 5.59   | 4.34                            | 3.90  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.03                        | 0.05  | 0.07   | 0.07   | 0.07   | -3.24  | -12.21 | -12.32 | -6.76  | 0.30   | 0.32   | 0.30                            | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |
| N.Y.C.     |  | 59.30       | 55.05 | 54.77 | 52.69 | 50.04 | 50.16 | 54.17 | 52.00 | 59.93 | 62.53 | 65.12 | 70.55                       | 71.78 | 72.56  | 70.00  | 70.56  | 89.38  | 102.67 | 95.21  | 106.10 | 100.00 | 94.62  | 76.43                           | 61.29 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61761      |  | 4.75        | 4.68  | 4.48  | 4.08  | 3.92  | 4.01  | 4.29  | 4.16  | 4.75  | 5.06  | 5.32  | 5.23                        | 5.24  | 5.01   | 4.84   | 5.02   | 6.44   | 7.68   | 7.30   | 7.02   | 7.33   | 6.13   | 4.90                            | 4.69  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | -0.01       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -0.08 | -5.85                       | -8.34 | -12.47 | -12.54 | -12.68 | -21.05 | -28.21 | -24.44 | -36.95 | -29.50 | -28.37 | -15.85                          | -0.83 |  |  |  |  |  |  |  |  |  |  |  |  |
| NORTH      |  | 53.67       | 48.80 | 48.83 | 47.77 | 44.88 | 44.95 | 48.53 | 46.79 | 54.85 | 57.12 | 59.31 | 59.10                       | 57.74 | 54.80  | 52.40  | 52.49  | 61.08  | 65.31  | 61.95  | 60.46  | 61.02  | 58.37  | 54.84                           | 54.99 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61755      |  | -0.87       | -1.56 | -1.46 | -0.83 | -1.25 | -1.20 | -1.35 | -1.05 | -0.33 | -0.34 | -0.42 | -0.36                       | -0.47 | -0.28  | -0.21  | -0.37  | -0.80  | -1.47  | -1.52  | -1.68  | -2.15  | -1.74  | -0.84                           | -0.78 |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 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        |  | 58.91       | 54.99 | 54.81 | 52.78 | 50.27 | 50.21 | 54.17 | 52.29 | 59.98 | 62.29 | 64.75 | 64.39                       | 63.09 | 59.70  | 57.03  | 57.46  | 71.96  | 87.12  | 84.03  | 76.01  | 69.36  | 66.01  | 60.36                           | 59.73 |  |  |  |  |  |  |  |  |  |  |  |  |
| 61845      |  | 4.36        | 4.63  | 4.53  | 4.18  | 4.15  | 4.06  | 4.29  | 4.45  | 4.80  | 4.83  | 5.02  | 4.94                        | 4.89  | 4.63   | 4.42   | 4.60   | 6.13   | 6.34   | 6.35   | 5.84   | 6.19   | 5.89   | 4.68                            | 3.96  |  |  |  |  |  |  |  |  |  |  |  |  |
|            |  | 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   | -3.94  | -14.00 | -14.20 | -8.03  | 0.00   | 0.00   | -0.01                           | 0.00  |  |  |  |  |  |  |  |  |  |  |  |  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 52.47 | 48.40 | 47.97 | 45.78 | 44.00 | 44.30 | 48.13 | 43.77 | 48.62 | 51.08 | 53.22 | 52.86 | 52.15 | 49.02 | 46.67 | 46.94 | 54.96 | 62.05  | 59.27 | 57.74 | 58.75 | 55.31 | 51.45 | 53.54 |
|               | -2.07 | -1.96 | -2.31 | -2.82 | -2.12 | -1.85 | -1.75 | -4.07 | -6.57 | -6.38 | -6.51 | -6.60 | -6.05 | -6.06 | -5.95 | -5.92 | -7.36 | -6.28  | -5.78 | -5.28 | -4.42 | -4.81 | -4.23 | -2.23 |
|               | 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  | -0.44 | -1.55  | -1.57 | -0.89 | 0.00  | 0.00  | -0.01 | 0.01  |
| PJM<br>61847  | 52.64 | 52.22 | 51.95 | 49.91 | 47.60 | 47.76 | 51.68 | 49.37 | 56.62 | 59.07 | 61.53 | 61.80 | 55.32 | 58.00 | 55.27 | 55.53 | 67.13 | 81.00  | 76.37 | 73.61 | 69.95 | 65.56 | 58.63 | 57.16 |
|               | -1.91 | 1.86  | 1.66  | 1.31  | 1.48  | 1.62  | 1.80  | 1.53  | 1.43  | 1.61  | 1.79  | 1.66  | -3.84 | 1.49  | 1.21  | 1.22  | 1.86  | 3.21   | 3.11  | 3.11  | 3.47  | 2.40  | 1.34  | 1.39  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -0.67 | -0.96 | -1.43 | -1.44 | -1.46 | -3.39 | -11.01 | -9.79 | -8.36 | -3.31 | -3.04 | -1.62 | 0.01  |
| WEST<br>61752 | 53.35 | 49.20 | 48.73 | 46.37 | 44.74 | 45.04 | 48.93 | 44.83 | 50.05 | 52.63 | 54.83 | 54.46 | 53.78 | 50.40 | 47.93 | 48.16 | 56.75 | 64.53  | 61.57 | 59.91 | 60.83 | 56.99 | 52.50 | 54.33 |
|               | -1.20 | -1.16 | -1.56 | -2.24 | -1.38 | -1.11 | -0.95 | -3.01 | -5.13 | -4.83 | -4.90 | -4.99 | -4.42 | -4.68 | -4.68 | -4.70 | -5.63 | -4.01  | -3.68 | -3.23 | -2.34 | -3.13 | -3.17 | -1.45 |
|               | 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  | -0.49 | -1.75  | -1.78 | -1.01 | 0.00  | 0.00  | 0.00  | 0.00  |