

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/09/2011

| 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 | 38.27 | 33.20 | 31.07 | 28.32 | 30.02 | 34.33 | 41.15 | 38.45 | 38.82 | 41.70 | 45.31 | 46.05 | 45.90 | 45.49  | 44.16  | 43.39  | 48.17  | 46.87  | 44.94 | 46.07  | 43.81  | 39.14  | 40.62 | 39.70 |
| 61757  | 1.22  | 1.00  | 0.82  | 0.90  | 0.73  | 1.06  | 1.28  | 1.19  | 1.42  | 1.95  | 2.25  | 2.50  | 2.46  | 2.40   | 2.28   | 2.26   | 2.47   | 2.37   | 2.28  | 2.26   | 2.09   | 1.46   | 1.56  | 1.16  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.19  | 0.31  | 0.48  | 0.61   | 1.06   | 1.45   | 1.80   | 1.04   | 0.41  | 0.58   | 0.86   | 0.66   | 0.00  | 0.00  |
| CENTRL | 36.79 | 32.23 | 30.28 | 27.33 | 29.31 | 33.27 | 39.72 | 37.26 | 37.47 | 39.72 | 43.59 | 44.15 | 44.46 | 44.69  | 44.32  | 44.56  | 49.31  | 46.51  | 43.17 | 44.79  | 43.07  | 38.59  | 38.52 | 38.04 |
| 61754  | -0.26 | 0.03  | 0.03  | -0.08 | 0.03  | 0.00  | -0.16 | 0.00  | 0.07  | -0.04 | 0.04  | -0.18 | -0.18 | -0.13  | -0.21  | -0.21  | -0.14  | -0.14  | -0.34 | -0.22  | -0.47  | -0.46  | -0.55 | -0.50 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.29 | -0.47 | -0.72 | -1.13  | -1.60  | -2.19  | -1.96  | -1.11  | -0.44 | -0.62  | -0.95  | -0.71  | 0.00  | 0.00  |
| DUNWOD | 39.79 | 34.23 | 32.00 | 29.12 | 30.81 | 35.33 | 42.75 | 40.65 | 41.21 | 44.57 | 52.11 | 54.98 | 58.23 | 64.53  | 67.87  | 74.75  | 74.91  | 63.45  | 53.22 | 56.71  | 58.60  | 50.60  | 43.44 | 42.05 |
| 61760  | 2.74  | 2.03  | 1.75  | 1.70  | 1.52  | 2.06  | 2.87  | 3.39  | 3.81  | 4.81  | 5.28  | 5.35  | 5.40  | 5.33   | 5.20   | 5.11   | 5.65   | 5.46   | 5.17  | 5.33   | 4.98   | 4.33   | 4.37  | 3.51  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.58 | -5.77 | -8.91 | -15.50 | -19.74 | -27.05 | -21.76 | -12.44 | -4.98 | -6.99  | -11.03 | -7.93  | 0.00  | 0.00  |
| GENESE | 35.90 | 31.81 | 30.13 | 26.76 | 29.17 | 32.83 | 39.36 | 36.66 | 36.84 | 38.92 | 42.66 | 42.95 | 43.24 | 43.39  | 42.97  | 43.12  | 47.62  | 44.98  | 41.86 | 43.36  | 41.92  | 37.54  | 37.62 | 37.27 |
| 61753  | -1.15 | -0.39 | -0.12 | -0.66 | -0.12 | -0.43 | -0.52 | -0.60 | -0.56 | -0.83 | -0.82 | -1.27 | -1.23 | -1.18  | -1.20  | -1.15  | -1.38  | -1.41  | -1.55 | -1.51  | -1.41  | -1.34  | -1.45 | -1.27 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.22 | -0.36 | -0.56 | -0.87  | -1.23  | -1.69  | -1.50  | -0.86  | -0.34 | -0.48  | -0.74  | -0.55  | 0.00  | 0.00  |
| H Q    | 36.68 | 31.88 | 29.98 | 27.17 | 29.08 | 33.00 | 39.56 | 36.66 | 36.65 | 38.84 | 42.17 | 42.76 | 42.82 | 42.60  | 41.95  | 41.60  | 46.26  | 44.36  | 42.04 | 43.24  | 41.60  | 37.50  | 36.66 | 39.66 |
| 61844  | -0.37 | -0.32 | -0.27 | -0.25 | -0.20 | -0.27 | -0.32 | -0.60 | -0.75 | -0.91 | -1.08 | -1.10 | -1.10 | -1.09  | -0.99  | -0.98  | -1.23  | -1.18  | -1.03 | -1.15  | -0.98  | -0.84  | -0.82 | -0.46 |
|        | 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   | 1.58  | -1.58 |
| HUD VL | 39.71 | 34.29 | 32.06 | 29.20 | 30.89 | 35.43 | 42.79 | 40.83 | 41.29 | 44.61 | 51.72 | 54.31 | 57.17 | 62.53  | 65.53  | 71.50  | 72.25  | 61.92  | 52.68 | 55.92  | 57.24  | 49.67  | 43.55 | 42.09 |
| 61758  | 2.67  | 2.09  | 1.81  | 1.78  | 1.61  | 2.16  | 2.91  | 3.58  | 3.89  | 4.85  | 5.32  | 5.39  | 5.45  | 5.42   | 5.28   | 5.20   | 5.75   | 5.51   | 5.25  | 5.42   | 5.07   | 4.41   | 4.49  | 3.55  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.14 | -5.06 | -7.81 | -13.41 | -17.31 | -23.73 | -19.00 | -10.87 | -4.35 | -6.11  | -9.59  | -6.92  | 0.00  | 0.00  |
| LONGIL | 42.12 | 35.27 | 32.43 | 29.80 | 31.16 | 35.63 | 43.83 | 42.61 | 43.41 | 46.67 | 53.81 | 56.57 | 59.99 | 67.00  | 73.73  | 78.88  | 78.84  | 71.00  | 57.98 | 66.66  | 61.96  | 55.33  | 50.68 | 46.85 |
| 61762  | 4.11  | 3.06  | 2.18  | 2.39  | 1.87  | 2.36  | 3.95  | 4.77  | 5.27  | 6.40  | 6.96  | 6.93  | 7.16  | 7.38   | 7.17   | 7.03   | 7.84   | 7.56   | 7.11  | 7.41   | 6.86   | 5.90   | 5.94  | 5.09  |
|        | -0.96 | -0.01 | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -0.59 | -0.74 | -0.52 | -3.59 | -5.78 | -8.92 | -15.92 | -23.62 | -29.27 | -23.51 | -17.90 | -7.80 | -14.85 | -12.52 | -11.08 | -5.68 | -3.22 |
| MHK VL | 37.79 | 32.62 | 30.85 | 27.94 | 29.84 | 34.03 | 40.95 | 38.37 | 38.59 | 40.91 | 44.93 | 45.74 | 46.13 | 46.55  | 46.26  | 46.71  | 51.51  | 48.48  | 44.91 | 46.61  | 45.12  | 40.40  | 40.12 | 39.47 |
| 61756  | 0.74  | 0.42  | 0.60  | 0.52  | 0.56  | 0.77  | 1.08  | 1.12  | 1.20  | 1.15  | 1.30  | 1.27  | 1.27  | 1.31   | 1.25   | 1.28   | 1.47   | 1.37   | 1.21  | 1.33   | 1.23   | 1.11   | 1.05  | 0.92  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.38 | -0.61 | -0.94 | -1.54  | -2.08  | -2.85  | -2.54  | -1.57  | -0.63 | -0.88  | -1.30  | -0.95  | 0.00  | 0.00  |
| MILLWD | 39.71 | 34.23 | 31.97 | 29.09 | 30.81 | 35.30 | 42.79 | 40.65 | 41.18 | 44.49 | 52.05 | 54.88 | 58.02 | 64.19  | 67.51  | 74.30  | 74.57  | 63.28  | 53.13 | 56.63  | 58.44  | 50.46  | 43.44 | 42.01 |
| 61759  | 2.67  | 2.03  | 1.72  | 1.67  | 1.52  | 2.03  | 2.91  | 3.39  | 3.78  | 4.73  | 5.28  | 5.35  | 5.36  | 5.29   | 5.20   | 5.15   | 5.70   | 5.51   | 5.17  | 5.37   | 5.02   | 4.33   | 4.37  | 3.47  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.52 | -5.66 | -8.75 | -15.21 | -19.38 | -26.56 | -21.37 | -12.23 | -4.89 | -6.87  | -10.83 | -7.79  | 0.00  | 0.00  |
| N.Y.C. | 40.09 | 34.49 | 32.22 | 29.31 | 31.04 | 35.57 | 43.07 | 41.43 | 44.29 | 48.85 | 52.89 | 55.42 | 58.59 | 64.76  | 68.00  | 74.77  | 74.97  | 65.13  | 56.39 | 58.77  | 60.26  | 53.38  | 47.19 | 42.36 |
| 61761  | 3.04  | 2.29  | 1.97  | 1.89  | 1.76  | 2.30  | 3.19  | 3.69  | 4.19  | 5.17  | 5.71  | 5.79  | 5.80  | 5.72   | 5.54   | 5.49   | 6.08   | 5.87   | 5.60  | 5.77   | 5.28   | 4.68   | 4.73  | 3.82  |
|        | -0.01 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.48 | -2.70 | -3.92 | -3.93 | -5.78 | -8.88 | -15.34 | -19.52 | -26.69 | -21.40 | -13.72 | -7.72 | -8.60  | -12.39 | -10.37 | -3.40 | 0.00  |
| NORTH  | 36.56 | 31.72 | 29.89 | 27.09 | 29.02 | 32.93 | 39.56 | 36.62 | 36.69 | 38.84 | 42.00 | 42.72 | 42.73 | 42.52  | 41.95  | 41.65  | 45.98  | 44.08  | 41.82 | 42.97  | 41.56  | 37.42  | 38.05 | 38.04 |
| 61755  | -0.48 | -0.48 | -0.36 | -0.33 | -0.26 | -0.33 | -0.32 | -0.63 | -0.71 | -0.91 | -1.25 | -1.14 | -1.19 | -1.18  | -0.99  | -0.94  | -1.52  | -1.46  | -1.25 | -1.42  | -1.02  | -0.92  | -1.02 | -0.50 |
|        | 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    | 38.57 | 33.45 | 31.34 | 28.54 | 30.22 | 34.53 | 41.51 | 39.04 | 39.45 | 42.42 | 47.13 | 48.50 | 49.42 | 51.18  | 51.15  | 52.68  | 56.02  | 51.59  | 47.26 | 49.13  | 48.10  | 42.60  | 39.90 | 41.93 |
| 61845  | 1.52  | 1.26  | 1.09  | 1.12  | 0.94  | 1.26  | 1.63  | 1.79  | 2.06  | 2.66  | 2.90  | 3.07  | 3.07  | 3.02   | 2.83   | 2.73   | 3.04   | 2.91   | 2.93  | 2.97   | 2.68   | 2.26   | 2.42  | 1.81  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.98 | -1.57 | -2.43 | -4.47  | -5.38  | -7.37  | -5.48  | -3.14  | -1.25 | -1.76  | -2.83  | -2.00  | 1.58  | -1.58 |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 34.68 | 31.17 | 29.22 | 26.10 | 28.35 | 31.80 | 37.40 | 34.61 | 34.37 | 36.22 | 39.58 | 39.63 | 40.00 | 40.17  | 40.00  | 40.22  | 44.17  | 41.67 | 38.69 | 40.07 | 38.76 | 34.76 | 33.46 | 36.81 |
|               | -2.37 | -1.03 | -1.03 | -1.32 | -0.94 | -1.46 | -2.47 | -2.65 | -3.03 | -3.54 | -3.94 | -4.65 | -4.57 | -4.54  | -4.38  | -4.34  | -5.08  | -4.87 | -4.78 | -4.88 | -4.68 | -4.22 | -4.02 | -3.31 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.26 | -0.42 | -0.65 | -1.02  | -1.44  | -1.98  | -1.76  | -1.01 | -0.40 | -0.56 | -0.86 | -0.64 | 1.58  | -1.58 |
| PJM<br>61847  | 35.12 | 32.94 | 30.85 | 27.99 | 29.78 | 34.00 | 40.83 | 33.72 | 39.01 | 42.10 | 48.11 | 50.02 | 52.19 | 56.04  | 58.02  | 62.24  | 55.00  | 49.18 | 48.44 | 51.32 | 42.64 | 35.00 | 33.00 | 31.00 |
|               | -1.93 | 0.74  | 0.60  | 0.58  | 0.50  | 0.73  | 0.96  | -3.54 | 1.61  | 2.23  | 2.42  | 2.24  | 2.28  | 2.23   | 2.10   | 2.00   | -6.55  | -4.55 | 1.98  | 2.18  | -3.70 | -1.57 | -1.52 | -2.24 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.12 | -2.44 | -3.92 | -5.99 | -10.11 | -12.98 | -17.66 | -14.06 | -8.19 | -3.39 | -4.76 | -3.76 | 1.77  | 4.54  | 5.30  |
| WEST<br>61752 | 35.05 | 31.46 | 29.46 | 26.26 | 28.61 | 32.17 | 38.00 | 35.17 | 35.04 | 37.05 | 40.48 | 40.52 | 40.96 | 41.17  | 41.00  | 41.20  | 45.35  | 42.66 | 39.52 | 40.99 | 39.47 | 35.30 | 35.47 | 35.69 |
|               | -2.00 | -0.74 | -0.79 | -1.15 | -0.67 | -1.10 | -1.87 | -2.09 | -2.36 | -2.70 | -3.07 | -3.82 | -3.69 | -3.67  | -3.56  | -3.62  | -4.13  | -4.01 | -4.01 | -4.04 | -4.09 | -3.76 | -3.59 | -2.85 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.30 | -0.48 | -0.74 | -1.15  | -1.63  | -2.23  | -1.99  | -1.13 | -0.45 | -0.64 | -0.97 | -0.72 | 0.00  | 0.00  |