

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

02/25/2011

| 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   | 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 | 57.94  | 46.28 | 45.81 | 45.96 | 45.68 | 54.49  | 79.51  | 76.13  | 68.46  | 69.32  | 57.77  | 49.74  | 50.76  | 48.87  | 46.70  | 46.31  | 53.99  | 74.98  | 81.10  | 67.36  | 62.00  | 50.98  | 49.30  | 61.31  |
| 61757  | 2.31   | 2.27  | 2.27  | 2.19  | 2.19  | 2.19   | 2.64   | 2.77   | 3.11   | 2.92   | 2.86   | 2.86   | 2.45   | 2.39   | 2.13   | 2.20   | 2.30   | 2.46   | 3.18   | 2.84   | 2.88   | 2.85   | 2.49   | 1.65   |
|        | -20.17 | -8.58 | -7.99 | -8.38 | -8.09 | -16.94 | -35.62 | -26.34 | -17.48 | -21.48 | -11.62 | -2.83  | -8.14  | -6.01  | -7.15  | -6.10  | -11.37 | -27.79 | -24.01 | -20.14 | -16.12 | -4.94  | -5.33  | -24.48 |
| CENTRL | 37.87  | 36.33 | 36.58 | 36.20 | 36.20 | 37.31  | 45.96  | 50.61  | 50.13  | 47.65  | 45.28  | 44.79  | 41.53  | 41.45  | 38.26  | 38.83  | 41.84  | 48.18  | 56.97  | 47.26  | 45.38  | 44.20  | 42.60  | 37.81  |
| 61754  | -0.21  | -0.21 | 0.00  | -0.28 | -0.25 | -0.25  | 0.08   | 0.19   | 0.00   | 0.09   | 0.56   | 0.40   | 0.36   | 0.24   | -0.04  | 0.08   | 0.20   | 0.22   | 0.27   | 0.53   | 0.52   | 0.43   | 0.50   | -0.21  |
|        | -2.62  | -1.11 | -1.04 | -1.09 | -1.05 | -2.20  | -4.63  | -3.40  | -2.26  | -2.63  | -1.42  | -0.35  | -1.00  | -0.74  | -0.88  | -0.75  | -1.32  | -3.23  | -2.79  | -2.34  | -1.87  | -0.57  | -0.62  | -2.85  |
| DUNWOD | 53.99  | 45.06 | 44.66 | 44.58 | 44.36 | 51.18  | 72.15  | 72.09  | 66.33  | 66.07  | 56.76  | 50.86  | 50.83  | 49.51  | 46.98  | 46.88  | 53.48  | 70.90  | 78.17  | 64.55  | 59.88  | 51.60  | 49.75  | 56.67  |
| 61760  | 3.23   | 3.12  | 3.06  | 2.83  | 2.83  | 2.97   | 3.88   | 5.13   | 5.22   | 4.90   | 4.68   | 4.71   | 4.50   | 4.49   | 4.15   | 4.26   | 4.56   | 5.14   | 6.09   | 4.93   | 4.69   | 4.66   | 4.23   | 2.95   |
|        | -15.30 | -6.51 | -6.06 | -6.35 | -6.14 | -12.85 | -27.02 | -19.95 | -13.24 | -16.25 | -8.79  | -2.09  | -6.16  | -4.55  | -5.41  | -4.62  | -8.60  | -21.03 | -18.17 | -15.24 | -12.20 | -3.74  | -4.04  | -18.54 |
| GENESE | 36.32  | 35.26 | 35.34 | 35.20 | 35.14 | 35.92  | 44.38  | 48.91  | 48.73  | 46.25  | 44.27  | 43.80  | 40.82  | 40.58  | 37.34  | 38.04  | 40.72  | 46.56  | 55.07  | 46.12  | 44.03  | 43.07  | 41.83  | 36.22  |
| 61753  | -1.24  | -1.06 | -1.03 | -1.06 | -1.10 | -1.20  | -0.58  | -0.85  | -0.96  | -0.81  | -0.17  | -0.53  | -0.16  | -0.49  | -0.79  | -0.57  | -0.60  | -0.63  | -0.97  | -0.04  | -0.39  | -0.56  | -0.12  | -1.13  |
|        | -2.10  | -0.89 | -0.83 | -0.87 | -0.84 | -1.76  | -3.70  | -2.73  | -1.82  | -2.13  | -1.15  | -0.28  | -0.81  | -0.60  | -0.71  | -0.61  | -1.01  | -2.46  | -2.12  | -1.78  | -1.43  | -0.44  | -0.47  | -2.17  |
| H Q    | 34.65  | 34.65 | 34.65 | 34.65 | 34.65 | 34.65  | 40.22  | 45.80  | 46.57  | 43.71  | 41.95  | 42.82  | 38.97  | 39.34  | 36.52  | 36.98  | 39.27  | 43.56  | 52.51  | 43.05  | 41.75  | 41.98  | 40.24  | 34.65  |
| 61844  | -0.82  | -0.78 | -0.89 | -0.74 | -0.74 | -0.71  | -1.03  | -1.22  | -1.29  | -1.21  | -1.34  | -1.23  | -1.21  | -1.13  | -0.90  | -1.03  | -1.05  | -1.16  | -1.40  | -1.33  | -1.25  | -1.21  | -1.24  | -0.53  |
|        | 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   |
| HUD VL | 54.15  | 45.22 | 44.86 | 44.82 | 44.60 | 51.23  | 72.15  | 72.01  | 66.25  | 66.03  | 56.52  | 50.62  | 50.85  | 49.54  | 47.04  | 46.98  | 53.58  | 70.88  | 78.12  | 64.55  | 59.72  | 51.50  | 49.70  | 56.86  |
| 61758  | 3.40   | 3.29  | 3.27  | 3.08  | 3.08  | 3.04   | 3.92   | 5.08   | 5.17   | 4.90   | 4.46   | 4.54   | 4.54   | 4.53   | 4.23   | 4.37   | 4.68   | 5.19   | 6.09   | 4.97   | 4.56   | 4.58   | 4.19   | 3.20   |
|        | -15.28 | -6.50 | -6.05 | -6.34 | -6.13 | -12.83 | -26.98 | -19.91 | -13.22 | -16.21 | -8.77  | -2.03  | -6.14  | -4.54  | -5.39  | -4.61  | -8.58  | -20.97 | -18.11 | -15.19 | -12.17 | -3.73  | -4.03  | -18.48 |
| LONGIL | 55.28  | 46.69 | 45.52 | 45.47 | 45.54 | 52.64  | 73.45  | 78.87  | 77.56  | 76.29  | 79.16  | 75.01  | 69.58  | 66.77  | 64.79  | 64.30  | 68.88  | 92.23  | 111.00 | 84.87  | 93.34  | 69.71  | 65.40  | 57.74  |
| 61762  | 4.50   | 4.75  | 3.91  | 3.72  | 4.00  | 4.42   | 5.16   | 6.96   | 7.32   | 6.83   | 6.32   | 6.43   | 6.11   | 6.11   | 5.58   | 5.74   | 6.17   | 6.71   | 8.09   | 6.66   | 6.28   | 6.22   | 6.01   | 4.01   |
|        | -15.31 | -6.51 | -6.07 | -6.36 | -6.14 | -12.86 | -27.04 | -24.90 | -22.37 | -24.54 | -29.54 | -24.53 | -23.30 | -20.19 | -21.80 | -20.56 | -22.39 | -40.79 | -49.00 | -33.83 | -44.07 | -20.29 | -17.91 | -18.55 |
| MHK VL | 39.11  | 37.53 | 37.56 | 37.43 | 37.32 | 38.54  | 47.45  | 52.00  | 51.73  | 49.03  | 46.45  | 46.22  | 42.73  | 42.76  | 39.64  | 40.06  | 43.04  | 49.48  | 58.82  | 48.42  | 46.48  | 45.27  | 43.46  | 39.13  |
| 61756  | 0.96   | 0.96  | 0.96  | 0.92  | 0.85  | 0.92   | 1.44   | 1.69   | 1.68   | 1.71   | 1.86   | 1.85   | 1.65   | 1.62   | 1.42   | 1.37   | 1.41   | 1.57   | 2.16   | 1.73   | 1.63   | 1.51   | 1.33   | 0.95   |
|        | -2.69  | -1.14 | -1.07 | -1.12 | -1.08 | -2.26  | -4.75  | -3.29  | -2.19  | -2.40  | -1.30  | -0.32  | -0.91  | -0.67  | -0.80  | -0.68  | -1.30  | -3.19  | -2.75  | -2.31  | -1.85  | -0.57  | -0.65  | -3.00  |
| MILLWD | 54.09  | 45.06 | 44.70 | 44.66 | 44.40 | 51.23  | 72.33  | 72.15  | 66.33  | 66.23  | 56.75  | 50.61  | 50.88  | 49.55  | 47.06  | 46.99  | 53.46  | 70.96  | 78.14  | 64.56  | 59.79  | 51.49  | 49.65  | 56.80  |
| 61759  | 3.23   | 3.08  | 3.06  | 2.87  | 2.83  | 2.93   | 3.88   | 5.03   | 5.12   | 4.94   | 4.59   | 4.67   | 4.50   | 4.49   | 4.19   | 4.33   | 4.48   | 5.05   | 5.93   | 4.84   | 4.51   | 4.54   | 4.11   | 2.95   |
|        | -15.40 | -6.55 | -6.10 | -6.40 | -6.18 | -12.94 | -27.20 | -20.10 | -13.34 | -16.37 | -8.86  | -1.89  | -6.21  | -4.58  | -5.45  | -4.65  | -8.66  | -21.17 | -18.29 | -15.34 | -12.29 | -3.76  | -4.07  | -18.67 |
| N.Y.C. | 54.40  | 45.42 | 44.99 | 44.91 | 44.69 | 51.51  | 72.58  | 78.77  | 82.28  | 84.25  | 83.18  | 81.66  | 80.81  | 79.91  | 79.24  | 78.50  | 81.47  | 90.50  | 90.17  | 84.01  | 77.05  | 59.33  | 57.82  | 57.08  |
| 61761  | 3.62   | 3.47  | 3.38  | 3.15  | 3.15  | 3.29   | 4.29   | 5.60   | 5.65   | 5.30   | 5.02   | 5.11   | 4.82   | 4.86   | 4.45   | 4.60   | 4.88   | 5.50   | 6.52   | 5.37   | 5.12   | 5.10   | 4.65   | 3.34   |
|        | -15.31 | -6.52 | -6.07 | -6.36 | -6.15 | -12.86 | -27.04 | -26.15 | -28.77 | -34.03 | -34.86 | -32.50 | -35.82 | -34.58 | -37.37 | -35.90 | -36.27 | -40.27 | -29.73 | -34.26 | -28.94 | -11.04 | -11.69 | -18.56 |
| NORTH  | 34.44  | 34.76 | 34.40 | 34.83 | 34.65 | 34.47  | 40.22  | 45.61  | 46.48  | 43.67  | 41.91  | 42.73  | 38.93  | 39.46  | 36.74  | 37.02  | 39.31  | 43.43  | 52.46  | 42.87  | 41.45  | 41.73  | 39.95  | 34.83  |
| 61755  | -1.03  | -0.67 | -1.14 | -0.57 | -0.74 | -1.03  | -1.41  | -1.39  | -1.39  | -1.26  | -1.39  | -1.32  | -1.25  | -1.01  | -0.67  | -0.99  | -1.01  | -1.30  | -1.46  | -1.51  | -1.55  | -1.47  | -1.53  | -0.35  |
|        | 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    | 56.03  | 45.61 | 45.20 | 45.28 | 45.02 | 52.96  | 76.03  | 73.84  | 67.09  | 67.42  | 57.06  | 50.00  | 50.47  | 48.90  | 46.55  | 46.29  | 53.44  | 72.81  | 79.25  | 65.66  | 60.64  | 50.88  | 49.10  | 58.95  |
| 61845  | 2.55   | 2.52  | 2.52  | 2.41  | 2.41  | 2.48   | 2.97   | 3.34   | 3.64   | 3.37   | 3.42   | 3.44   | 3.05   | 3.08   | 2.77   | 2.85   | 2.98   | 3.31   | 3.94   | 3.33   | 3.27   | 3.28   | 2.86   | 1.93   |
|        | -18.01 | -7.66 | -7.14 | -7.48 | -7.22 | -15.13 | -31.81 | -23.48 | -15.59 | -19.13 | -10.34 | -2.52  | -7.25  | -5.35  | -6.36  | -5.43  | -10.14 | -24.77 | -21.40 | -17.95 | -14.37 | -4.40  | -4.76  | -21.84 |

|               |        |       |       |       |       |       |        |        |        |        |        |       |       |       |       |       |        |        |        |        |        |       |       |       |
|---------------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-------|-------|
| OH<br>61846   | 36.05  | 34.46 | 35.03 | 34.30 | 34.41 | 35.46 | 42.84  | 46.77  | 46.12  | 43.91  | 42.02  | 41.20 | 38.97 | 38.89 | 35.69 | 36.46 | 39.12  | 44.92  | 51.98  | 44.25  | 42.00  | 40.85 | 40.25 | 35.04 |
|               | -1.81  | -1.98 | -1.46 | -2.09 | -1.95 | -1.91 | -2.64  | -3.39  | -3.83  | -3.46  | -2.60  | -3.17 | -2.13 | -2.27 | -2.54 | -2.24 | -2.38  | -2.68  | -4.42  | -2.22  | -2.67  | -2.85 | -1.78 | -2.67 |
|               | -2.39  | -1.02 | -0.95 | -0.99 | -0.96 | -2.01 | -4.23  | -3.14  | -2.08  | -2.45  | -1.32  | -0.32 | -0.93 | -0.68 | -0.81 | -0.69 | -1.18  | -2.88  | -2.49  | -2.09  | -1.67  | -0.51 | -0.55 | -2.54 |
| PJM<br>61847  | 45.10  | 41.42 | 38.94 | 41.06 | 40.94 | 45.76 | 62.48  | 60.25  | 61.72  | 54.57  | 55.57  | 52.00 | 51.00 | 50.14 | 47.74 | 47.77 | 45.82  | 64.61  | 70.80  | 59.55  | 54.98  | 48.00 | 45.00 | 44.00 |
|               | -1.45  | 1.28  | -1.00 | 1.06  | 1.10  | 1.10  | 1.65   | -1.22  | 2.15   | -4.58  | 2.12   | 2.07  | 2.05  | 1.98  | 1.72  | 1.86  | -4.72  | 2.24   | 2.53   | 2.22   | 1.46   | 2.12  | 1.87  | 0.95  |
|               | -11.08 | -4.72 | -4.39 | -4.60 | -4.45 | -9.31 | -19.58 | -14.46 | -11.70 | -14.23 | -10.16 | -5.88 | -8.78 | -7.68 | -8.60 | -7.90 | -10.22 | -17.64 | -14.35 | -12.95 | -10.52 | -2.69 | -1.65 | -7.87 |
| WEST<br>61752 | 36.73  | 35.07 | 35.73 | 34.90 | 35.00 | 36.13 | 44.11  | 48.43  | 47.55  | 45.30  | 43.38  | 42.51 | 39.95 | 39.86 | 36.52 | 37.30 | 40.08  | 46.18  | 53.75  | 45.49  | 43.29  | 42.04 | 41.15 | 35.86 |
|               | -1.38  | -1.49 | -0.85 | -1.59 | -1.45 | -1.45 | -1.82  | -2.07  | -2.63  | -2.34  | -1.39  | -1.89 | -1.25 | -1.38 | -1.80 | -1.48 | -1.57  | -1.79  | -2.97  | -1.24  | -1.59  | -1.73 | -0.95 | -2.18 |
|               | -2.65  | -1.13 | -1.05 | -1.10 | -1.06 | -2.22 | -4.68  | -3.48  | -2.31  | -2.72  | -1.47  | -0.36 | -1.03 | -0.76 | -0.90 | -0.77 | -1.33  | -3.25  | -2.80  | -2.35  | -1.88  | -0.58 | -0.62 | -2.86 |