

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

03/04/2011

| 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 | 57.87  | 49.33  | 44.45 | 45.25 | 46.38 | 57.04  | 82.16  | 82.32  | 76.40  | 77.35  | 74.15  | 68.37  | 62.71  | 59.06  | 56.82  | 56.22  | 57.75  | 79.40  | 86.95  | 67.69  | 66.23  | 55.91  | 52.52  | 57.63  |
| 61757  | 2.81   | 2.94   | 2.90  | 2.90  | 2.89  | 3.04   | 2.59   | 2.30   | 2.45   | 2.54   | 2.43   | 2.41   | 2.37   | 2.37   | 2.33   | 2.31   | 2.30   | 2.10   | 2.34   | 2.34   | 2.21   | 2.51   | 2.49   | 2.17   |
|        | -19.53 | -10.96 | -6.20 | -6.96 | -8.28 | -18.64 | -42.60 | -44.63 | -38.49 | -39.49 | -35.91 | -30.57 | -24.99 | -21.25 | -19.17 | -19.51 | -21.12 | -44.50 | -49.11 | -29.88 | -31.59 | -18.12 | -15.87 | -20.39 |
| CENTRL | 38.10  | 36.88  | 36.22 | 36.45 | 36.04 | 37.67  | 42.41  | 40.71  | 39.96  | 39.76  | 40.00  | 38.90  | 38.11  | 37.87  | 37.38  | 36.47  | 36.57  | 37.81  | 41.25  | 38.92  | 36.18  | 37.13  | 35.82  | 37.05  |
| 61754  | 0.28   | 0.18   | 0.14  | 0.25  | -0.14 | 0.14   | 0.48   | 0.11   | 0.04   | -0.14  | 0.04   | -0.04  | -0.14  | -0.04  | -0.18  | -0.21  | -0.21  | -0.13  | 0.07   | 0.00   | 0.10   | -0.25  | -0.17  | -0.39  |
|        | -2.27  | -1.28  | -0.72 | -0.81 | -0.96 | -2.17  | -4.96  | -5.21  | -4.46  | -4.58  | -4.16  | -3.54  | -2.90  | -2.48  | -2.23  | -2.27  | -2.44  | -5.14  | -5.68  | -3.45  | -3.65  | -2.09  | -1.83  | -2.36  |
| DUNWOD | 53.31  | 46.48  | 42.73 | 43.42 | 44.13 | 52.26  | 72.82  | 72.84  | 68.43  | 68.82  | 66.73  | 62.18  | 57.82  | 55.09  | 53.31  | 52.53  | 53.68  | 69.88  | 76.57  | 61.76  | 59.73  | 52.22  | 49.31  | 53.31  |
| 61760  | 2.88   | 2.69   | 2.65  | 2.73  | 2.61  | 2.69   | 3.36   | 3.47   | 3.65   | 3.43   | 3.58   | 3.50   | 3.43   | 3.47   | 3.39   | 3.27   | 3.26   | 3.18   | 3.66   | 3.55   | 3.24   | 3.14   | 3.07   | 2.70   |
|        | -14.89 | -8.36  | -4.72 | -5.30 | -6.31 | -14.22 | -32.48 | -33.98 | -29.31 | -30.07 | -27.35 | -23.28 | -19.03 | -16.19 | -14.60 | -14.86 | -16.09 | -33.90 | -37.41 | -22.75 | -24.06 | -13.80 | -12.08 | -15.54 |
| GENESE | 37.43  | 36.44  | 35.86 | 35.82 | 35.01 | 36.57  | 40.56  | 38.56  | 37.97  | 37.78  | 38.22  | 37.28  | 36.62  | 36.52  | 36.02  | 35.19  | 35.21  | 35.90  | 39.11  | 37.25  | 34.53  | 35.85  | 34.77  | 35.73  |
| 61753  | 0.21   | 0.07   | -0.04 | -0.18 | -0.92 | -0.39  | -0.07  | -0.67  | -0.85  | -0.99  | -0.72  | -0.78  | -0.92  | -0.74  | -0.95  | -0.89  | -0.93  | -0.72  | -0.60  | -0.78  | -0.62  | -0.99  | -0.75  | -1.09  |
|        | -1.68  | -0.94  | -0.53 | -0.60 | -0.71 | -1.60  | -3.67  | -3.84  | -3.36  | -3.44  | -3.13  | -2.67  | -2.18  | -1.83  | -1.65  | -1.68  | -1.81  | -3.82  | -4.21  | -2.57  | -2.71  | -1.56  | -1.36  | -1.75  |
| H Q    | 34.65  | 34.65  | 34.65 | 34.65 | 34.65 | 34.65  | 36.04  | 34.65  | 34.65  | 34.65  | 35.02  | 34.65  | 34.65  | 34.65  | 34.65  | 33.79  | 33.68  | 32.14  | 34.65  | 34.65  | 31.65  | 34.65  | 33.51  | 34.65  |
| 61844  | -0.89  | -0.78  | -0.71 | -0.74 | -0.56 | -0.71  | -0.92  | -0.74  | -0.82  | -0.67  | -0.79  | -0.74  | -0.71  | -0.78  | -0.67  | -0.62  | -0.65  | -0.66  | -0.85  | -0.82  | -0.78  | -0.64  | -0.65  | -0.42  |
|        | 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 | 53.61  | 46.90  | 43.15 | 43.88 | 44.52 | 52.50  | 73.12  | 73.00  | 68.55  | 68.97  | 66.78  | 62.28  | 57.96  | 55.22  | 53.44  | 52.66  | 53.81  | 69.95  | 76.60  | 61.86  | 59.81  | 52.42  | 49.51  | 53.52  |
| 61758  | 3.20   | 3.12   | 3.08  | 3.19  | 2.99  | 2.93   | 3.70   | 3.68   | 3.83   | 3.64   | 3.69   | 3.65   | 3.61   | 3.65   | 3.57   | 3.44   | 3.43   | 3.35   | 3.80   | 3.72   | 3.40   | 3.39   | 3.31   | 2.95   |
|        | -14.87 | -8.35  | -4.72 | -5.30 | -6.31 | -14.20 | -32.45 | -33.93 | -29.26 | -30.01 | -27.29 | -23.24 | -18.99 | -16.14 | -14.56 | -14.81 | -16.04 | -33.80 | -37.30 | -22.67 | -23.97 | -13.75 | -12.04 | -15.50 |
| LONGIL | 55.49  | 48.47  | 44.61 | 45.23 | 45.90 | 53.54  | 77.43  | 85.00  | 88.00  | 90.00  | 89.28  | 83.71  | 82.60  | 75.00  | 73.00  | 71.00  | 72.75  | 92.54  | 111.00 | 88.35  | 80.81  | 73.00  | 67.64  | 60.63  |
| 61762  | 5.05   | 4.68   | 4.53  | 4.53  | 4.37  | 3.96   | 5.40   | 5.38   | 5.57   | 5.26   | 5.12   | 4.92   | 4.84   | 4.89   | 4.80   | 4.58   | 4.57   | 4.62   | 5.08   | 4.97   | 4.54   | 4.62   | 4.47   | 4.38   |
|        | -14.91 | -8.36  | -4.73 | -5.31 | -6.32 | -14.23 | -35.06 | -44.23 | -46.97 | -49.42 | -48.36 | -43.40 | -42.39 | -34.68 | -32.88 | -32.02 | -33.85 | -55.12 | -70.42 | -47.92 | -43.84 | -33.09 | -29.00 | -21.17 |
| MHK VL | 39.09  | 37.81  | 36.85 | 37.06 | 37.22 | 38.79  | 43.82  | 42.03  | 41.35  | 41.21  | 41.33  | 40.28  | 39.45  | 38.99  | 38.47  | 37.50  | 37.60  | 38.77  | 42.29  | 40.08  | 37.08  | 38.31  | 36.82  | 38.27  |
| 61756  | 1.07   | 0.99   | 0.71  | 0.78  | 0.95  | 1.06   | 1.44   | 1.34   | 1.38   | 1.27   | 1.32   | 1.31   | 1.17   | 1.20   | 1.02   | 0.93   | 0.86   | 0.89   | 1.17   | 1.13   | 0.97   | 0.92   | 0.82   | 0.63   |
|        | -2.48  | -1.39  | -0.79 | -0.88 | -1.05 | -2.37  | -5.41  | -5.29  | -4.50  | -4.62  | -4.20  | -3.58  | -2.92  | -2.36  | -2.13  | -2.17  | -2.41  | -5.09  | -5.61  | -3.48  | -3.67  | -2.11  | -1.85  | -2.57  |
| MILLWD | 53.44  | 46.57  | 42.80 | 43.53 | 44.18 | 52.36  | 73.11  | 73.20  | 68.72  | 69.11  | 67.00  | 62.38  | 57.99  | 55.20  | 53.45  | 52.63  | 53.82  | 70.14  | 76.89  | 61.96  | 59.93  | 52.39  | 49.43  | 53.42  |
| 61759  | 2.91   | 2.73   | 2.69  | 2.80  | 2.61  | 2.69   | 3.44   | 3.57   | 3.72   | 3.50   | 3.65   | 3.54   | 3.47   | 3.47   | 3.43   | 3.27   | 3.30   | 3.21   | 3.73   | 3.58   | 3.28   | 3.21   | 3.11   | 2.70   |
|        | -14.99 | -8.41  | -4.76 | -5.34 | -6.36 | -14.31 | -32.70 | -34.23 | -29.53 | -30.29 | -27.54 | -23.45 | -19.17 | -16.30 | -14.70 | -14.96 | -16.20 | -34.13 | -37.66 | -22.91 | -24.22 | -13.89 | -12.17 | -15.65 |
| N.Y.C. | 53.71  | 46.84  | 43.09 | 43.78 | 44.49 | 52.63  | 75.79  | 86.88  | 83.88  | 84.23  | 82.83  | 72.64  | 66.75  | 65.06  | 63.77  | 62.78  | 63.98  | 79.29  | 90.66  | 74.07  | 71.29  | 59.06  | 56.17  | 53.68  |
| 61761  | 3.27   | 3.05   | 3.01  | 3.08  | 2.96  | 3.04   | 3.81   | 3.86   | 4.01   | 3.78   | 3.94   | 3.82   | 3.78   | 3.79   | 3.74   | 3.58   | 3.57   | 3.48   | 4.01   | 3.90   | 3.57   | 3.46   | 3.38   | 3.05   |
|        | -14.90 | -8.37  | -4.73 | -5.31 | -6.32 | -14.23 | -35.02 | -47.63 | -44.41 | -45.13 | -43.08 | -33.42 | -27.61 | -25.84 | -24.70 | -24.79 | -26.08 | -43.01 | -51.15 | -34.70 | -35.30 | -20.32 | -18.63 | -15.55 |
| NORTH  | 34.61  | 34.65  | 34.83 | 34.83 | 34.86 | 34.72  | 36.27  | 34.93  | 35.04  | 35.00  | 35.38  | 35.00  | 34.86  | 34.79  | 34.83  | 33.82  | 33.68  | 32.28  | 34.69  | 34.58  | 31.49  | 34.65  | 33.24  | 34.47  |
| 61755  | -0.92  | -0.78  | -0.53 | -0.57 | -0.35 | -0.64  | -0.70  | -0.46  | -0.43  | -0.32  | -0.43  | -0.39  | -0.50  | -0.64  | -0.49  | -0.58  | -0.65  | -0.52  | -0.82  | -0.89  | -0.94  | -0.64  | -0.92  | -0.60  |
|        | 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    | 56.00  | 48.29  | 44.00 | 44.72 | 45.72 | 55.22  | 78.05  | 77.95  | 72.66  | 73.54  | 70.85  | 65.62  | 60.57  | 57.27  | 55.32  | 54.67  | 55.97  | 75.28  | 82.32  | 65.08  | 63.47  | 54.47  | 51.30  | 55.98  |
| 61845  | 2.91   | 3.01   | 3.08  | 3.08  | 3.06  | 3.11   | 2.81   | 2.51   | 2.66   | 2.79   | 2.83   | 2.80   | 2.79   | 2.76   | 2.79   | 2.75   | 2.68   | 2.53   | 2.73   | 2.80   | 2.69   | 2.93   | 2.90   | 2.60   |
|        | -17.54 | -9.85  | -5.57 | -6.25 | -7.44 | -16.75 | -38.28 | -40.05 | -34.53 | -35.43 | -32.22 | -27.43 | -22.42 | -19.08 | -17.21 | -17.51 | -18.96 | -39.95 | -44.09 | -26.81 | -28.35 | -16.26 | -14.24 | -18.31 |

|               |        |       |       |       |       |        |        |        |        |        |        |        |        |        |        |       |       |        |        |        |        |       |       |       |
|---------------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|-------|-------|-------|
| OH<br>61846   | 37.21  | 36.13 | 35.55 | 36.02 | 34.43 | 36.37  | 39.91  | 37.48  | 36.50  | 36.29  | 36.92  | 35.94  | 35.17  | 35.05  | 34.45  | 33.78 | 33.70 | 34.89  | 37.89  | 35.86  | 33.50  | 34.46 | 33.81 | 34.73 |
|               | -0.39  | -0.46 | -0.46 | -0.11 | -1.66 | -0.95  | -1.55  | -2.62  | -3.09  | -3.25  | -2.72  | -2.73  | -2.86  | -2.62  | -2.90  | -2.68 | -2.71 | -2.30  | -2.45  | -2.55  | -2.04  | -2.61 | -1.91 | -2.35 |
|               | -2.06  | -1.16 | -0.65 | -0.73 | -0.87 | -1.97  | -4.50  | -4.70  | -4.12  | -4.22  | -3.84  | -3.27  | -2.67  | -2.24  | -2.02  | -2.06 | -2.08 | -4.38  | -4.83  | -2.94  | -3.11  | -1.79 | -1.56 | -2.01 |
| PJM<br>61847  | 45.31  | 42.45 | 39.80 | 40.48 | 40.71 | 44.47  | 62.16  | 61.00  | 55.25  | 55.52  | 57.04  | 53.49  | 50.29  | 43.49  | 43.30  | 44.06 | 44.39 | 55.78  | 64.01  | 53.25  | 46.88  | 46.11 | 41.87 | 42.13 |
|               | -1.03  | 1.06  | 1.03  | 1.24  | 0.92  | -1.20  | 1.63   | 0.96   | -3.55  | 1.02   | 1.25   | 1.17   | 1.10   | -3.68  | -2.61  | 1.00  | 1.00  | 0.98   | 1.42   | 1.31   | -3.08  | 0.95  | -0.99 | 0.74  |
|               | -10.80 | -5.96 | -3.42 | -3.85 | -4.58 | -10.31 | -23.57 | -24.65 | -23.33 | -19.17 | -19.98 | -16.92 | -13.83 | -11.75 | -10.59 | -8.66 | -9.06 | -21.99 | -27.09 | -16.47 | -17.53 | -9.87 | -8.70 | -6.32 |
| WEST<br>61752 | 37.68  | 36.51 | 35.82 | 36.44 | 34.83 | 36.83  | 40.99  | 38.46  | 37.43  | 37.16  | 37.76  | 36.64  | 35.81  | 35.75  | 35.10  | 34.35 | 34.31 | 35.74  | 39.00  | 36.72  | 34.37  | 35.16 | 34.46 | 35.34 |
|               | -0.11  | -0.18 | -0.25 | 0.25  | -1.34 | -0.67  | -0.89  | -2.09  | -2.55  | -2.79  | -2.26  | -2.34  | -2.48  | -2.13  | -2.44  | -2.31 | -2.33 | -1.94  | -1.88  | -2.02  | -1.52  | -2.12 | -1.43 | -1.96 |
|               | -2.25  | -1.26 | -0.71 | -0.80 | -0.95 | -2.15  | -4.91  | -5.16  | -4.51  | -4.63  | -4.21  | -3.59  | -2.93  | -2.45  | -2.21  | -2.25 | -2.31 | -4.87  | -5.38  | -3.28  | -3.46  | -1.99 | -1.74 | -2.23 |