

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Zonal Data

12/17/2010

| 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 | 78.18 | 68.20 | 66.38 | 64.86 | 64.96 | 68.78 | 81.14 | 102.74 | 89.25  | 85.59  | 85.41  | 80.05  | 74.63  | 72.57  | 68.61  | 70.77 | 97.03  | 124.83 | 120.73 | 105.85 | 90.71  | 78.61  | 74.54 | 75.12 |
| 61757  | 3.44  | 3.31  | 3.28  | 3.21  | 3.44  | 3.34  | 4.01  | 4.61   | 4.33   | 4.31   | 4.45   | 4.25   | 3.96   | 3.59   | 3.82   | 3.69  | 5.06   | 6.40   | 6.51   | 5.71   | 4.57   | 3.89   | 3.95  | 3.57  |
|        | 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  | -1.59 |
| CENTRL | 74.00 | 63.98 | 62.22 | 60.73 | 60.40 | 64.65 | 76.05 | 96.56  | 83.56  | 79.90  | 79.58  | 74.37  | 69.19  | 67.88  | 63.62  | 65.94 | 90.41  | 116.89 | 112.16 | 97.94  | 84.42  | 73.08  | 68.54 | 68.61 |
| 61754  | -0.75 | -0.91 | -0.88 | -0.92 | -1.11 | -0.79 | -1.08 | -1.57  | -1.36  | -1.38  | -1.38  | -1.44  | -1.48  | -1.10  | -1.17  | -1.14 | -1.56  | -1.54  | -2.06  | -2.20  | -1.72  | -1.64  | -2.05 | -1.54 |
|        | 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  | -0.18 |
| DUNWOD | 79.83 | 69.17 | 67.33 | 65.97 | 66.06 | 70.35 | 84.22 | 107.55 | 93.58  | 89.82  | 89.70  | 84.37  | 78.59  | 76.08  | 71.66  | 74.19 | 101.81 | 130.98 | 126.32 | 110.76 | 95.10  | 82.20  | 77.36 | 76.54 |
| 61760  | 5.08  | 4.28  | 4.23  | 4.32  | 4.55  | 4.91  | 7.10  | 9.42   | 8.66   | 8.53   | 8.74   | 8.57   | 7.92   | 7.10   | 6.87   | 7.11  | 9.84   | 12.55  | 12.11  | 10.61  | 8.96   | 7.47   | 6.78  | 5.39  |
|        | 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  | -1.20 |
| GENESE | 72.58 | 62.81 | 61.02 | 59.37 | 58.62 | 63.15 | 73.58 | 93.71  | 81.27  | 77.63  | 76.91  | 71.71  | 66.79  | 66.08  | 61.87  | 64.13 | 87.74  | 113.22 | 108.85 | 94.63  | 81.58  | 70.84  | 66.00 | 65.97 |
| 61753  | -2.17 | -2.08 | -2.08 | -2.28 | -2.89 | -2.29 | -3.55 | -4.42  | -3.65  | -3.66  | -4.05  | -4.09  | -3.89  | -2.90  | -2.92  | -2.95 | -4.23  | -5.21  | -5.37  | -5.51  | -4.57  | -3.89  | -4.59 | -4.13 |
|        | 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  | -0.14 |
| H Q    | 74.15 | 64.44 | 62.59 | 61.16 | 60.90 | 66.99 | 84.36 | 87.76  | 84.07  | 80.31  | 79.98  | 74.75  | 69.75  | 68.15  | 63.95  | 66.27 | 90.87  | 117.13 | 112.85 | 99.14  | 85.45  | 74.20  | 70.09 | 69.47 |
| 61844  | -0.60 | -0.45 | -0.50 | -0.49 | -0.62 | -0.46 | -0.54 | -0.59  | -0.85  | -0.98  | -0.97  | -1.06  | -0.92  | -0.83  | -0.84  | -0.80 | -1.10  | -1.30  | -1.37  | -1.00  | -0.69  | -0.52  | -0.49 | -0.49 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.01 | -7.77 | 9.78   | 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  |
| HUD VL | 80.72 | 69.89 | 68.02 | 66.59 | 66.62 | 70.74 | 84.53 | 107.84 | 93.75  | 89.90  | 89.78  | 84.37  | 78.66  | 76.15  | 71.72  | 74.26 | 101.91 | 131.34 | 126.44 | 110.76 | 95.10  | 82.35  | 77.57 | 77.17 |
| 61758  | 5.98  | 5.00  | 4.92  | 4.93  | 5.11  | 5.30  | 7.40  | 9.71   | 8.83   | 8.62   | 8.82   | 8.57   | 7.99   | 7.17   | 6.93   | 7.18  | 9.93   | 12.91  | 12.22  | 10.61  | 8.96   | 7.62   | 6.99  | 6.02  |
|        | 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  | -1.19 |
| LONGIL | 80.28 | 69.04 | 67.14 | 67.08 | 67.50 | 71.59 | 86.54 | 111.08 | 110.13 | 109.83 | 109.02 | 105.05 | 82.35  | 78.86  | 75.80  | 77.40 | 124.57 | 200.00 | 166.37 | 146.81 | 151.71 | 103.00 | 89.11 | 79.00 |
| 61762  | 5.53  | 4.15  | 4.04  | 5.43  | 5.41  | 6.15  | 9.41  | 12.95  | 11.46  | 11.22  | 11.50  | 11.07  | 11.02  | 9.86   | 9.46   | 9.59  | 12.97  | 16.58  | 16.10  | 14.52  | 12.06  | 10.16  | 9.81  | 7.84  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | -0.58 | 0.00  | 0.00  | 0.00   | -13.75 | -17.32 | -16.57 | -18.17 | -0.65  | -0.02  | -1.55  | -0.73 | -19.63 | -64.99 | -36.05 | -32.15 | -53.51 | -18.11 | -8.72 | -1.20 |
| MHK VL | 76.99 | 66.64 | 64.74 | 63.20 | 62.99 | 67.27 | 79.83 | 101.76 | 87.81  | 83.97  | 83.38  | 77.85  | 72.65  | 71.05  | 66.60  | 69.16 | 95.10  | 122.93 | 118.10 | 103.75 | 88.99  | 77.04  | 72.70 | 71.91 |
| 61756  | 2.24  | 1.75  | 1.64  | 1.54  | 1.48  | 1.83  | 2.70  | 3.63   | 2.89   | 2.68   | 2.43   | 2.05   | 1.98   | 2.07   | 1.81   | 2.08  | 3.13   | 4.50   | 3.88   | 3.61   | 2.84   | 2.32   | 2.12  | 1.75  |
|        | 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  | -0.20 |
| MILLWD | 79.83 | 69.17 | 67.33 | 65.97 | 66.00 | 70.28 | 84.22 | 107.64 | 93.50  | 89.66  | 89.62  | 84.15  | 78.38  | 75.95  | 71.46  | 73.99 | 101.63 | 130.98 | 126.21 | 110.66 | 95.02  | 82.12  | 77.29 | 76.62 |
| 61759  | 5.08  | 4.28  | 4.23  | 4.32  | 4.49  | 4.84  | 7.10  | 9.52   | 8.58   | 8.37   | 8.66   | 8.34   | 7.70   | 6.97   | 6.67   | 6.91  | 9.66   | 12.55  | 11.99  | 10.51  | 8.87   | 7.40   | 6.71  | 5.46  |
|        | 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   | 0.00  | -1.20 |
| N.Y.C. | 80.35 | 69.57 | 67.71 | 66.41 | 66.50 | 70.94 | 84.84 | 108.53 | 100.09 | 97.61  | 99.42  | 94.86  | 93.71  | 88.05  | 84.98  | 84.74 | 111.52 | 143.04 | 146.00 | 134.00 | 116.80 | 96.00  | 86.16 | 77.03 |
| 61761  | 5.61  | 4.67  | 4.61  | 4.75  | 4.98  | 5.50  | 7.71  | 10.40  | 9.51   | 9.35   | 9.55   | 9.25   | 8.62   | 7.79   | 7.52   | 7.78  | 10.76  | 13.62  | 13.25  | 11.62  | 9.82   | 8.22   | 7.41  | 5.88  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | -5.66  | -6.98  | -8.91  | -9.81  | -14.42 | -11.28 | -12.67 | -9.88 | -8.78  | -10.99 | -18.53 | -22.24 | -20.84 | -13.05 | -8.16 | -1.20 |
| NORTH  | 75.27 | 65.47 | 63.60 | 61.96 | 61.33 | 66.09 | 78.05 | 99.99  | 84.84  | 80.63  | 80.06  | 74.44  | 69.61  | 68.36  | 63.75  | 66.41 | 90.78  | 117.13 | 112.73 | 99.54  | 86.14  | 75.10  | 70.80 | 70.03 |
| 61755  | 0.52  | 0.58  | 0.50  | 0.31  | -0.18 | 0.65  | 0.93  | 1.86   | -0.08  | -0.65  | -0.89  | -1.36  | -1.06  | -0.62  | -1.04  | -0.67 | -1.20  | -1.30  | -1.48  | -0.60  | 0.00   | 0.37   | 0.21  | 0.07  |
|        | 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    | 78.33 | 68.39 | 66.57 | 65.17 | 65.39 | 71.25 | 89.52 | 93.84  | 90.27  | 86.65  | 86.38  | 81.19  | 75.83  | 73.60  | 69.39  | 71.57 | 97.86  | 125.42 | 121.53 | 106.55 | 91.40  | 79.21  | 74.96 | 75.27 |
| 61845  | 3.59  | 3.50  | 3.47  | 3.51  | 3.88  | 3.80  | 4.63  | 5.50   | 5.35   | 5.36   | 5.42   | 5.38   | 5.16   | 4.62   | 4.60   | 4.49  | 5.89   | 6.99   | 7.31   | 6.41   | 5.25   | 4.48   | 4.38  | 3.92  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.01 | -7.77 | 9.78   | 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  | -1.39 |

|               |                        |                        |                        |                        |                        |                         |                         |                         |                        |                        |                        |                        |                        |                        |                        |                        |                          |                          |                          |                         |                         |                        |                        |                         |
|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|
| O H<br>61846  | 70.11<br>-4.63<br>0.00 | 60.93<br>-3.96<br>0.00 | 59.19<br>-3.91<br>0.00 | 57.65<br>-4.01<br>0.00 | 57.08<br>-4.43<br>0.00 | 63.20<br>-4.25<br>-2.01 | 76.33<br>-8.56<br>-7.77 | 77.06<br>-11.28<br>9.78 | 75.33<br>-9.60<br>0.00 | 71.94<br>-9.35<br>0.00 | 71.32<br>-9.63<br>0.00 | 66.71<br>-9.10<br>0.00 | 61.98<br>-8.69<br>0.00 | 61.67<br>-7.31<br>0.00 | 57.86<br>-6.93<br>0.00 | 59.77<br>-7.31<br>0.00 | 80.94<br>-11.04<br>0.00  | 103.63<br>-14.80<br>0.00 | 99.71<br>-14.51<br>0.00  | 86.62<br>-13.52<br>0.00 | 75.20<br>-10.94<br>0.00 | 65.61<br>-9.12<br>0.00 | 61.34<br>-9.25<br>0.00 | 61.87<br>-8.26<br>-0.17 |
| PJM<br>61847  | 71.31<br>-3.44<br>0.00 | 66.32<br>1.43<br>0.00  | 64.55<br>1.45<br>0.00  | 63.14<br>1.48<br>0.00  | 63.11<br>1.60<br>0.00  | 69.35<br>1.90<br>-2.01  | 87.44<br>2.55<br>-7.77  | 82.95<br>-5.40<br>9.78  | 87.72<br>2.80<br>0.00  | 84.13<br>2.84<br>0.00  | 84.03<br>3.08<br>0.00  | 78.94<br>3.11<br>-0.02 | 74.20<br>2.69<br>-0.84 | 71.39<br>2.41<br>0.00  | 67.12<br>2.33<br>0.00  | 69.49<br>2.41<br>0.00  | 79.23<br>-12.78<br>-0.04 | 121.75<br>3.32<br>0.00   | 117.99<br>3.77<br>0.00   | 103.25<br>3.10<br>0.00  | 88.90<br>2.76<br>0.00   | 77.04<br>2.32<br>0.00  | 72.14<br>1.55<br>0.00  | 71.94<br>1.12<br>-0.86  |
| WEST<br>61752 | 71.16<br>-3.59<br>0.00 | 61.78<br>-3.11<br>0.00 | 60.01<br>-3.09<br>0.00 | 58.51<br>-3.14<br>0.00 | 57.88<br>-3.63<br>0.00 | 62.23<br>-3.21<br>0.00  | 70.34<br>-6.79<br>0.00  | 89.10<br>-9.03<br>0.00  | 77.02<br>-7.90<br>0.00 | 73.56<br>-7.72<br>0.00 | 73.10<br>-7.85<br>0.00 | 68.23<br>-7.58<br>0.00 | 63.25<br>-7.42<br>0.00 | 62.84<br>-6.14<br>0.00 | 58.89<br>-5.90<br>0.00 | 60.97<br>-6.10<br>0.00 | 82.78<br>-9.20<br>0.00   | 106.35<br>-12.08<br>0.00 | 102.11<br>-12.11<br>0.00 | 88.63<br>-11.52<br>0.00 | 76.84<br>-9.30<br>0.00  | 66.95<br>-7.77<br>0.00 | 62.61<br>-7.98<br>0.00 | 63.08<br>-7.07<br>-0.07 |