

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

--- Scarcity Pricing In Effect (Y/N)

## Zonal Data

05/25/2009

| 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 | 75.47 | 38.57 | 19.14 | 77.75 | 34.46 | 42.10 | 36.98 | -58.60 | -66.56 | 36.64 | 37.29 | 38.09 | 36.85 | 41.63 | 40.15  | 41.82 | 45.86 | 47.15  | 32.84 | 39.73  | 44.47 | 48.10  | 66.04  | 32.17 |
| 61757  | 4.08  | 1.88  | 0.95  | 3.59  | 1.55  | 1.89  | 1.66  | -2.94  | -3.23  | 2.03  | 2.20  | 2.17  | 2.15  | 2.48  | 2.56   | 2.71  | 2.69  | 2.18   | 2.03  | 2.53   | 2.87  | 3.15   | 4.12   | 1.61  |
|        | -0.44 | -2.76 | 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  | -3.67 | -14.06 | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| CENTRL | 71.37 | 34.28 | 18.17 | 74.40 | 33.02 | 40.34 | 35.41 | -56.10 | -63.98 | 34.95 | 35.36 | 36.16 | 35.15 | 39.94 | 38.31  | 39.81 | 40.57 | 32.87  | 31.06 | 37.53  | 42.40 | 45.57  | 62.31  | 30.85 |
| 61754  | 0.36  | 0.03  | -0.03 | 0.24  | 0.11  | 0.12  | 0.10  | -0.44  | -0.65  | 0.34  | 0.27  | 0.23  | 0.46  | 0.80  | 0.72   | 0.70  | 0.66  | 0.38   | 0.25  | 0.32   | 0.80  | 0.61   | 0.39   | 0.30  |
|        | -0.05 | -0.32 | 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  | -0.41 | -1.58  | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| DUNWOD | 77.77 | 39.04 | 19.69 | 79.71 | 35.44 | 43.30 | 38.02 | -60.60 | -68.72 | 37.76 | 38.37 | 39.34 | 38.22 | 43.26 | 41.77  | 43.50 | 46.80 | 45.15  | 34.09 | 41.05  | 46.12 | 49.80  | 68.26  | 33.15 |
| 61760  | 6.49  | 3.01  | 1.50  | 5.55  | 2.52  | 3.08  | 2.70  | -4.94  | -5.39  | 3.15  | 3.27  | 3.41  | 3.52  | 4.12  | 4.18   | 4.39  | 4.49  | 3.46   | 3.28  | 3.84   | 4.52  | 4.84   | 6.34   | 2.59  |
|        | -0.33 | -2.10 | 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  | -2.81 | -10.79 | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| GENESE | 68.46 | 32.68 | 17.27 | 70.81 | 31.62 | 38.68 | 33.87 | -53.67 | -61.53 | 33.41 | 33.84 | 34.65 | 33.67 | 38.20 | 36.54  | 37.89 | 38.56 | 31.03  | 29.71 | 35.79  | 40.38 | 43.66  | 59.57  | 29.76 |
| 61753  | -2.53 | -1.49 | -0.92 | -3.35 | -1.29 | -1.53 | -1.45 | 1.99   | 1.80   | -1.21 | -1.25 | -1.28 | -1.03 | -0.94 | -1.05  | -1.22 | -1.25 | -1.06  | -1.09 | -1.42  | -1.22 | -1.30  | -2.35  | -0.79 |
|        | -0.04 | -0.24 | 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  | -0.31 | -1.18  | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| H Q    | 69.45 | 33.28 | 17.91 | 73.10 | 32.41 | 28.66 | 34.89 | -54.71 | -62.27 | 33.99 | 34.40 | 35.24 | 33.87 | 38.10 | 36.51  | 38.00 | 38.31 | 30.08  | 30.06 | 36.39  | 40.53 | 37.88  | 60.66  | 30.04 |
| 61844  | -1.51 | -0.65 | -0.28 | -1.06 | -0.50 | -0.66 | -0.43 | 0.95   | 1.07   | -0.63 | -0.69 | -0.69 | -0.83 | -1.04 | -1.08  | -1.10 | -1.19 | -0.83  | -0.75 | -0.82  | -1.07 | -1.13  | -1.26  | -0.52 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 7.03  | 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  | 0.02   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| HUD VL | 77.41 | 38.89 | 19.65 | 79.59 | 35.38 | 43.24 | 37.96 | -60.49 | -68.62 | 37.61 | 38.21 | 39.16 | 38.02 | 43.03 | 41.56  | 43.24 | 46.36 | 44.39  | 33.86 | 40.80  | 45.79 | 49.44  | 67.77  | 33.01 |
| 61758  | 6.13  | 2.89  | 1.46  | 5.43  | 2.47  | 3.03  | 2.65  | -4.83  | -5.28  | 3.00  | 3.12  | 3.24  | 3.32  | 3.89  | 3.97   | 4.13  | 4.20  | 3.26   | 3.05  | 3.60   | 4.19  | 4.49   | 5.85   | 2.45  |
|        | -0.33 | -2.07 | 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  | -2.66 | -10.22 | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| LONGIL | 79.98 | 39.85 | 20.18 | 81.69 | 36.39 | 44.28 | 38.88 | -61.91 | -69.86 | 41.85 | 46.15 | 44.32 | 44.94 | 50.40 | 59.15  | 51.29 | 48.00 | 46.02  | 38.75 | 56.88  | 54.72 | 67.20  | 106.52 | 33.77 |
| 61762  | 8.69  | 3.82  | 1.99  | 7.53  | 3.48  | 4.06  | 3.56  | -6.25  | -6.53  | 4.20  | 4.33  | 4.34  | 4.63  | 5.29  | 5.43   | 5.61  | 5.48  | 4.13   | 4.01  | 4.85   | 5.74  | 6.33   | 8.74   | 3.21  |
|        | -0.33 | -2.10 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | -3.04 | -6.72 | -4.05 | -5.62 | -5.96 | -16.13 | -6.58 | -3.03 | -10.98 | -3.92 | -14.82 | -7.37 | -15.91 | -35.86 | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| MHK VL | 72.28 | 34.75 | 18.47 | 75.27 | 33.41 | 40.83 | 35.85 | -56.78 | -64.58 | 35.51 | 36.00 | 36.82 | 35.65 | 40.27 | 38.63  | 40.15 | 40.81 | 33.16  | 31.53 | 38.20  | 42.95 | 46.22  | 63.40  | 31.16 |
| 61756  | 1.28  | 0.51  | 0.28  | 1.10  | 0.50  | 0.61  | 0.54  | -1.12  | -1.25  | 0.89  | 0.90  | 0.89  | 0.95  | 1.13  | 1.04   | 1.04  | 0.93  | 0.83   | 0.72  | 0.99   | 1.35  | 1.27   | 1.48   | 0.60  |
|        | -0.05 | -0.31 | 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  | -0.37 | -1.42  | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| MILLWD | 77.64 | 38.99 | 19.65 | 79.60 | 35.38 | 43.24 | 37.96 | -60.56 | -68.66 | 37.72 | 38.35 | 39.31 | 38.20 | 43.24 | 41.76  | 43.48 | 46.79 | 45.21  | 34.08 | 41.05  | 46.10 | 49.76  | 68.23  | 33.11 |
| 61759  | 6.35  | 2.95  | 1.46  | 5.44  | 2.47  | 3.02  | 2.65  | -4.91  | -5.33  | 3.11  | 3.25  | 3.39  | 3.50  | 4.10  | 4.17   | 4.37  | 4.47  | 3.44   | 3.27  | 3.84   | 4.50  | 4.81   | 6.31   | 2.55  |
|        | -0.33 | -2.11 | 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  | -2.83 | -10.85 | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |
| N.Y.C. | 78.33 | 39.31 | 19.81 | 80.08 | 35.65 | 43.56 | 38.23 | -61.01 | -69.18 | 38.00 | 38.61 | 39.63 | 38.52 | 43.61 | 42.12  | 43.88 | 47.19 | 45.46  | 34.36 | 41.36  | 46.50 | 50.19  | 68.73  | 33.39 |
| 61761  | 7.04  | 3.28  | 1.63  | 5.92  | 2.73  | 3.34  | 2.92  | -5.35  | -5.85  | 3.39  | 3.52  | 3.71  | 3.82  | 4.47  | 4.52   | 4.77  | 4.88  | 3.75   | 3.55  | 4.15   | 4.90  | 5.23   | 6.81   | 2.83  |
|        | -0.33 | -2.10 | 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  | -2.82 | -10.80 | 0.00  | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N      | N      | N     | N     | N     | N     | N     | N      | N     | N     | N      | N     | N      | N     | N      | N      | N     |

|                |                                            |                                            |                                    |                                    |                                    |                                           |                                    |                                     |                                     |                                    |                                    |                                    |                                    |                                    |                                    |                                    |                                            |                                            |                                    |                                    |                                    |                                           |                                    |                                    |
|----------------|--------------------------------------------|--------------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------------------------|--------------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------------|------------------------------------|------------------------------------|
| NORTH<br>61755 | 68.18<br><i>-2.78</i><br>0.00<br>N         | 32.64<br><i>-1.29</i><br>0.00<br>N         | 17.60<br><i>-0.59</i><br>0.00<br>N | 71.90<br><i>-2.26</i><br>0.00<br>N | 31.85<br><i>-1.06</i><br>0.00<br>N | 38.92<br><i>-1.29</i><br>0.00<br>N        | 34.36<br><i>-0.96</i><br>0.00<br>N | -53.91<br><i>1.75</i><br>0.00<br>N  | -61.32<br><i>2.01</i><br>0.00<br>N  | 33.40<br><i>-1.22</i><br>0.00<br>N | 33.79<br><i>-1.30</i><br>0.00<br>N | 34.55<br><i>-1.38</i><br>0.00<br>N | 33.16<br><i>-1.54</i><br>0.00<br>N | 37.29<br><i>-1.85</i><br>0.00<br>N | 35.65<br><i>-1.94</i><br>0.00<br>N | 37.20<br><i>-1.91</i><br>0.00<br>N | 37.30<br><i>-2.20</i><br>0.00<br>N         | 29.48<br><i>-1.44</i><br>0.00<br>N         | 29.48<br><i>-1.33</i><br>0.00<br>N | 35.81<br><i>-1.40</i><br>0.00<br>N | 39.86<br><i>-1.74</i><br>0.00<br>N | 43.00<br><i>-1.96</i><br>0.00<br>N        | 59.83<br><i>-2.09</i><br>0.00<br>N | 29.55<br><i>-1.00</i><br>0.00<br>N |
| NPX<br>61845   | 76.35<br><i>5.01</i><br><i>-0.39</i><br>N  | 38.79<br><i>2.39</i><br><i>-2.47</i><br>N  | 19.38<br><i>1.19</i><br>0.00<br>N  | 78.61<br><i>4.45</i><br>0.00<br>N  | 34.84<br><i>1.92</i><br>0.00<br>N  | 31.59<br><i>2.28</i><br><i>7.03</i><br>N  | 37.40<br><i>2.08</i><br>0.00<br>N  | -59.35<br><i>-3.69</i><br>0.00<br>N | -67.36<br><i>-4.03</i><br>0.00<br>N | 36.93<br><i>2.32</i><br>0.00<br>N  | 37.60<br><i>2.51</i><br>0.00<br>N  | 38.38<br><i>2.46</i><br>0.00<br>N  | 37.15<br><i>2.45</i><br>0.00<br>N  | 41.97<br><i>2.83</i><br>0.00<br>N  | 40.54<br><i>2.95</i><br>0.00<br>N  | 42.23<br><i>3.12</i><br>0.00<br>N  | 45.99<br><i>3.18</i><br><i>-3.31</i><br>N  | 46.10<br><i>2.50</i><br><i>-12.69</i><br>N | 33.18<br><i>2.37</i><br>0.00<br>N  | 40.05<br><i>2.85</i><br>0.00<br>N  | 44.76<br><i>3.16</i><br>0.00<br>N  | 42.09<br><i>3.08</i><br><i>0.02</i><br>N  | 66.64<br><i>4.72</i><br>0.00<br>N  | 32.44<br><i>1.89</i><br>0.00<br>N  |
| O H<br>61846   | 64.04<br><i>-6.96</i><br><i>-0.04</i><br>N | 30.60<br><i>-3.61</i><br><i>-0.28</i><br>N | 16.05<br><i>-2.14</i><br>0.00<br>N | 66.33<br><i>-7.83</i><br>0.00<br>N | 29.80<br><i>-3.12</i><br>0.00<br>N | 25.51<br><i>-3.80</i><br><i>7.03</i><br>N | 31.85<br><i>-3.47</i><br>0.00<br>N | -50.04<br><i>5.62</i><br>0.00<br>N  | -57.97<br><i>5.36</i><br>0.00<br>N  | 30.96<br><i>-3.66</i><br>0.00<br>N | 31.20<br><i>-3.90</i><br>0.00<br>N | 31.88<br><i>-4.05</i><br>0.00<br>N | 31.05<br><i>-3.65</i><br>0.00<br>N | 35.29<br><i>-3.86</i><br>0.00<br>N | 33.65<br><i>-3.94</i><br>0.00<br>N | 34.90<br><i>-4.20</i><br>0.00<br>N | 35.64<br><i>-4.22</i><br><i>-0.36</i><br>N | 28.83<br><i>-3.47</i><br><i>-1.38</i><br>N | 27.40<br><i>-3.41</i><br>0.00<br>N | 32.85<br><i>-4.36</i><br>0.00<br>N | 37.08<br><i>-4.52</i><br>0.00<br>N | 35.32<br><i>-3.69</i><br><i>0.02</i><br>N | 54.83<br><i>-7.09</i><br>0.00<br>N | 27.98<br><i>-2.57</i><br>0.00<br>N |
| PJM<br>61847   | 69.28<br><i>-1.91</i><br><i>-0.24</i><br>N | 34.36<br><i>-1.07</i><br><i>-1.49</i><br>N | 32.00<br><i>1.15</i><br>0.41<br>N  | 73.26<br><i>-0.90</i><br>0.00<br>N | 32.13<br><i>-0.79</i><br>0.00<br>N | 30.88<br><i>1.57</i><br><i>7.03</i><br>N  | 34.59<br><i>-0.73</i><br>0.00<br>N | -54.97<br><i>0.68</i><br>0.00<br>N  | -62.92<br><i>0.42</i><br>0.00<br>N  | 33.90<br><i>-0.71</i><br>0.00<br>N | 33.98<br><i>-1.12</i><br>0.00<br>N | 34.71<br><i>-1.21</i><br>0.00<br>N | 34.01<br><i>-0.68</i><br>0.00<br>N | 39.17<br><i>0.03</i><br>0.00<br>N  | 37.46<br><i>-0.13</i><br>0.00<br>N | 39.01<br><i>-0.09</i><br>0.00<br>N | 41.43<br><i>0.02</i><br><i>-1.91</i><br>N  | 37.61<br><i>-0.63</i><br><i>-7.33</i><br>N | 30.13<br><i>-0.68</i><br>0.00<br>N | 36.31<br><i>-0.90</i><br>0.00<br>N | 41.59<br><i>-0.01</i><br>0.00<br>N | 41.40<br><i>2.39</i><br><i>0.02</i><br>N  | 60.29<br><i>-1.63</i><br>0.00<br>N | 30.14<br><i>-0.42</i><br>0.00<br>N |
| WEST<br>61752  | 66.00<br><i>-5.01</i><br><i>-0.05</i><br>N | 31.55<br><i>-2.69</i><br><i>-0.31</i><br>N | 16.57<br><i>-1.62</i><br>0.00<br>N | 68.44<br><i>-5.72</i><br>0.00<br>N | 30.61<br><i>-2.31</i><br>0.00<br>N | 37.47<br><i>-2.75</i><br>0.00<br>N        | 32.79<br><i>-2.52</i><br>0.00<br>N | -51.80<br><i>3.86</i><br>0.00<br>N  | -59.82<br><i>3.51</i><br>0.00<br>N  | 32.12<br><i>-2.50</i><br>0.00<br>N | 32.31<br><i>-2.78</i><br>0.00<br>N | 33.01<br><i>-2.91</i><br>0.00<br>N | 32.21<br><i>-2.48</i><br>0.00<br>N | 36.74<br><i>-2.40</i><br>0.00<br>N | 35.04<br><i>-2.55</i><br>0.00<br>N | 36.39<br><i>-2.72</i><br>0.00<br>N | 37.20<br><i>-2.70</i><br><i>-0.40</i><br>N | 30.05<br><i>-2.40</i><br><i>-1.55</i><br>N | 28.43<br><i>-2.38</i><br>0.00<br>N | 34.11<br><i>-3.10</i><br>0.00<br>N | 38.71<br><i>-2.89</i><br>0.00<br>N | 41.68<br><i>-3.28</i><br>0.00<br>N        | 56.87<br><i>-5.05</i><br>0.00<br>N | 28.83<br><i>-1.73</i><br>0.00<br>N |