

## Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

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

## Zonal Data

09/07/2011

| 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 | 33.61 | 25.52 | 5.32  | 5.38  | 13.84 | 27.00 | 39.59 | 38.06  | 38.98 | 34.68 | 38.22 | 37.74 | 37.11 | 37.05  | 38.50 | 37.94 | 38.10 | 93.42  | 45.33 | 38.22 | 33.09 | 36.41 | 31.09 | 26.77 |
| 61757  | 0.91  | 0.87  | 0.17  | 0.20  | 0.57  | 0.93  | 0.93  | 1.03   | 1.14  | 1.21  | 1.40  | 1.35  | 1.31  | 1.38   | 1.49  | 1.44  | 1.49  | 0.23   | 1.39  | 1.30  | 1.05  | 1.19  | 0.91  | 0.59  |
|        | 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  | 0.00  | -86.56 | -5.37 | 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 | 32.67 | 24.56 | 5.13  | 5.18  | 13.25 | 26.07 | 38.74 | 37.30  | 38.16 | 33.84 | 37.17 | 36.77 | 36.25 | 36.15  | 37.45 | 36.81 | 36.92 | 16.04  | 39.19 | 37.16 | 32.50 | 35.46 | 30.33 | 26.11 |
|        | -0.02 | -0.09 | -0.01 | 0.00  | -0.01 | 0.00  | 0.09  | 0.26   | 0.32  | 0.36  | 0.34  | 0.38  | 0.45  | 0.44   | 0.44  | 0.31  | 0.31  | -0.14  | 0.03  | 0.24  | 0.46  | 0.24  | 0.15  | -0.06 |
|        | 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  | -0.01  | 0.00  | 0.00  | 0.00  | -9.55  | -0.59 | 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 | 34.53 | 26.09 | 5.41  | 5.47  | 14.03 | 27.69 | 41.30 | 40.12  | 41.28 | 36.92 | 40.88 | 40.41 | 39.87 | 40.13  | 41.48 | 40.63 | 40.88 | 67.51  | 46.34 | 40.87 | 35.54 | 38.80 | 32.96 | 28.12 |
|        | 1.83  | 1.44  | 0.27  | 0.29  | 0.76  | 1.61  | 2.65  | 3.09   | 3.45  | 3.45  | 4.05  | 4.02  | 4.07  | 4.27   | 4.47  | 4.13  | 4.27  | 0.82   | 4.04  | 3.95  | 3.50  | 3.58  | 2.78  | 1.95  |
|        | 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  | -0.16  | 0.00  | 0.00  | 0.00  | -60.07 | -3.73 | 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 | 32.31 | 24.25 | 5.10  | 5.12  | 13.03 | 25.68 | 38.21 | 36.81  | 37.47 | 33.18 | 36.36 | 35.90 | 35.43 | 35.15  | 36.31 | 35.66 | 35.74 | 13.52  | 37.66 | 35.97 | 31.80 | 34.56 | 29.72 | 25.67 |
|        | -0.39 | -0.40 | -0.04 | -0.07 | -0.23 | -0.39 | -0.44 | -0.23  | -0.37 | -0.29 | -0.47 | -0.49 | -0.37 | -0.55  | -0.70 | -0.84 | -0.87 | -0.54  | -1.38 | -0.95 | -0.24 | -0.66 | -0.46 | -0.51 |
|        | 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  | -0.01  | 0.00  | 0.00  | 0.00  | -7.44  | -0.47 | 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    | 32.43 | 24.46 | 5.10  | 5.14  | 13.12 | 31.02 | 35.71 | 34.75  | 37.39 | 32.94 | 35.98 | 35.55 | 34.93 | 34.78  | 36.04 | 35.55 | 35.58 | 6.52   | 39.27 | 35.64 | 31.26 | 34.53 | 30.91 | 21.74 |
|        | -0.15 | -0.18 | -0.04 | -0.05 | -0.15 | -0.36 | -0.31 | -0.56  | -0.61 | -0.67 | -0.85 | -0.84 | -0.86 | -0.91  | -0.97 | -0.95 | -1.03 | -0.10  | -0.71 | -0.80 | -0.78 | -0.70 | -0.50 | -0.14 |
|        | 0.06  | 0.00  | 0.00  | 0.00  | 0.00  | 1.17  | -2.40 | 2.63   | 0.28  | -0.98 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00   | -0.14 | 0.00  | 0.00  | 0.00  | 0.39  | -0.20 |
|        | 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 | 34.68 | 26.21 | 5.44  | 5.50  | 14.12 | 27.87 | 41.53 | 40.22  | 41.31 | 36.89 | 40.80 | 40.34 | 39.79 | 40.02  | 41.41 | 40.55 | 40.80 | 67.87  | 46.33 | 40.85 | 35.49 | 38.74 | 32.92 | 28.14 |
|        | 1.98  | 1.56  | 0.31  | 0.32  | 0.86  | 1.79  | 2.88  | 3.19   | 3.47  | 3.42  | 3.98  | 3.95  | 3.99  | 4.19   | 4.39  | 4.05  | 4.19  | 0.78   | 4.01  | 3.93  | 3.45  | 3.51  | 2.74  | 1.96  |
|        | 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  | 0.00  | 0.00  | 0.00  | -60.47 | -3.75 | 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 | 35.32 | 26.73 | 5.56  | 5.62  | 14.42 | 28.47 | 42.50 | 41.14  | 42.44 | 38.08 | 42.78 | 41.60 | 41.31 | 62.75  | 42.33 | 41.42 | 41.73 | 67.85  | 47.18 | 41.83 | 43.99 | 41.23 | 34.31 | 28.85 |
|        | 2.62  | 2.08  | 0.42  | 0.44  | 1.16  | 2.40  | 3.84  | 4.11   | 4.60  | 4.54  | 5.24  | 5.19  | 5.22  | 5.37   | 5.31  | 4.92  | 5.12  | 1.11   | 4.88  | 4.90  | 4.37  | 4.70  | 3.64  | 2.68  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  | -0.06 | -0.71 | -0.02 | -0.29 | -21.68 | 0.00  | 0.00  | 0.00  | -60.12 | -3.73 | 0.00  | -7.58 | -1.31 | -0.49 | 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 | 33.23 | 25.00 | 5.21  | 5.26  | 13.44 | 26.50 | 39.51 | 37.97  | 38.76 | 34.39 | 37.90 | 37.50 | 36.88 | 36.77  | 38.13 | 37.56 | 37.65 | 14.84  | 40.19 | 38.09 | 33.04 | 36.14 | 30.87 | 26.59 |
|        | 0.53  | 0.35  | 0.07  | 0.08  | 0.17  | 0.43  | 0.86  | 0.93   | 0.93  | 0.91  | 1.08  | 1.11  | 1.08  | 1.06   | 1.12  | 1.06  | 1.05  | 0.14   | 1.12  | 1.16  | 1.00  | 0.91  | 0.68  | 0.41  |
|        | 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  | 0.00  | -8.07  | -0.50 | 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 | 34.52 | 26.08 | 5.41  | 5.47  | 14.02 | 27.68 | 41.29 | 40.10  | 41.26 | 36.90 | 40.84 | 40.38 | 39.83 | 40.09  | 41.45 | 40.61 | 40.86 | 67.89  | 46.36 | 40.88 | 35.55 | 38.78 | 32.93 | 28.10 |
|        | 1.83  | 1.43  | 0.27  | 0.29  | 0.75  | 1.60  | 2.64  | 3.07   | 3.43  | 3.43  | 4.02  | 3.99  | 4.03  | 4.23   | 4.44  | 4.11  | 4.25  | 0.81   | 4.04  | 3.96  | 3.50  | 3.55  | 2.75  | 1.92  |
|        | 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  | -0.15  | 0.00  | 0.00  | 0.00  | -60.45 | -3.75 | 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. | 34.67 | 26.18 | 5.43  | 5.49  | 14.07 | 27.79 | 41.51 | 57.43  | 41.56 | 37.21 | 41.21 | 40.73 | 40.17 | 40.46  | 41.80 | 40.94 | 41.20 | 67.64  | 46.64 | 41.14 | 35.80 | 39.07 | 33.21 | 28.32 |
|        | 1.98  | 1.54  | 0.29  | 0.31  | 0.81  | 1.72  | 2.86  | 3.36   | 3.72  | 3.74  | 4.39  | 4.34  | 4.37  | 4.60   | 4.79  | 4.44  | 4.59  | 0.91   | 4.34  | 4.22  | 3.76  | 3.85  | 3.02  | 2.14  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -17.05 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.16  | 0.00  | 0.00  | 0.00  | -60.10 | -3.73 | 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 | 32.68<br><i>-0.02</i><br>0.00<br>N | 24.53<br><i>-0.11</i><br>0.00<br>N | 5.11<br><i>-0.03</i><br>0.00<br>N | 5.14<br><i>-0.04</i><br>0.00<br>N | 13.10<br><i>-0.17</i><br>0.00<br>N | 25.77<br><i>-0.31</i><br>0.00<br>N | 38.38<br><i>-0.27</i><br>0.00<br>N | 36.49<br><i>-0.55</i><br>0.00<br>N | 37.14<br><i>-0.69</i><br>0.00<br>N | 32.74<br><i>-0.74</i><br>0.00<br>N | 35.95<br><i>-0.88</i><br>0.00<br>N | 35.54<br><i>-0.85</i><br>0.00<br>N | 34.86<br><i>-0.95</i><br>0.00<br>N | 34.61<br><i>-1.08</i><br>0.00<br>N | 35.97<br><i>-1.05</i><br>0.00<br>N | 35.53<br><i>-0.97</i><br>0.00<br>N | 35.39<br><i>-1.22</i><br>0.00<br>N | 6.51<br><i>-0.11</i><br>0.00<br>N    | 37.85<br><i>-0.72</i><br>0.00<br>N  | 36.01<br><i>-0.91</i><br>0.00<br>N | 31.10<br><i>-0.94</i><br>0.00<br>N | 34.52<br><i>-0.70</i><br>0.00<br>N | 29.70<br><i>-0.48</i><br>0.00<br>N | 26.07<br><i>-0.11</i><br>0.00<br>N |
| NPX<br>61845   | 33.46<br><i>0.76</i><br>0.00<br>N  | 25.41<br><i>0.76</i><br>0.00<br>N  | 5.30<br><i>0.16</i><br>0.00<br>N  | 5.37<br><i>0.19</i><br>0.00<br>N  | 13.86<br><i>0.60</i><br>0.00<br>N  | 27.00<br><i>0.92</i><br>0.00<br>N  | 34.14<br><i>0.65</i><br>0.00<br>N  | 37.89<br><i>0.86</i><br>0.00<br>N  | 38.82<br><i>0.98</i><br>0.00<br>N  | 34.59<br><i>1.11</i><br>0.00<br>N  | 38.10<br><i>1.27</i><br>0.00<br>N  | 37.59<br><i>1.19</i><br>0.00<br>N  | 36.95<br><i>1.15</i><br>0.00<br>N  | 36.86<br><i>1.20</i><br>0.04<br>N  | 38.36<br><i>1.34</i><br>0.00<br>N  | 37.84<br><i>1.42</i><br>0.00<br>N  | 38.03<br><i>1.42</i><br>0.00<br>N  | 88.28<br><i>0.18</i><br>-81.48<br>N  | 44.79<br><i>1.17</i><br>-5.05<br>N  | 30.00<br><i>0.98</i><br>5.27<br>N  | 32.79<br><i>0.75</i><br>0.00<br>N  | 36.26<br><i>1.03</i><br>0.00<br>N  | 31.03<br><i>0.86</i><br>0.00<br>N  | 26.73<br><i>0.55</i><br>0.00<br>N  |
| O H<br>61846   | 31.42<br><i>-1.28</i><br>0.00<br>N | 23.59<br><i>-1.06</i><br>0.00<br>N | 4.99<br><i>-0.14</i><br>0.00<br>N | 4.99<br><i>-0.19</i><br>0.00<br>N | 12.64<br><i>-0.62</i><br>0.00<br>N | 24.78<br><i>-1.29</i><br>0.00<br>N | 32.08<br><i>-1.41</i><br>0.00<br>N | 35.12<br><i>-1.91</i><br>0.00<br>N | 35.56<br><i>-2.28</i><br>0.00<br>N | 31.35<br><i>-2.12</i><br>0.00<br>N | 34.30<br><i>-2.53</i><br>0.00<br>N | 33.81<br><i>-2.59</i><br>0.00<br>N | 33.42<br><i>-2.38</i><br>0.00<br>N | 32.96<br><i>-2.74</i><br>0.00<br>N | 34.05<br><i>-2.96</i><br>0.00<br>N | 33.41<br><i>-3.09</i><br>0.00<br>N | 33.45<br><i>-3.16</i><br>0.00<br>N | 14.15<br><i>-1.17</i><br>-8.70<br>N  | 35.23<br><i>-3.89</i><br>-0.55<br>N | 26.18<br><i>-2.84</i><br>5.27<br>N | 29.96<br><i>-2.09</i><br>0.00<br>N | 32.57<br><i>-2.66</i><br>0.00<br>N | 28.36<br><i>-1.82</i><br>0.00<br>N | 24.66<br><i>-1.51</i><br>0.00<br>N |
| PJM<br>61847   | 31.50<br><i>-1.20</i><br>0.00<br>N | 23.58<br><i>-1.07</i><br>0.00<br>N | 4.93<br><i>-0.20</i><br>0.00<br>N | 5.04<br><i>-0.15</i><br>0.00<br>N | 12.85<br><i>-0.42</i><br>0.00<br>N | 25.11<br><i>-0.97</i><br>0.00<br>N | 34.49<br><i>1.00</i><br>0.00<br>N  | 35.90<br><i>-1.14</i><br>0.00<br>N | 36.89<br><i>-0.95</i><br>0.00<br>N | 32.51<br><i>-0.96</i><br>0.00<br>N | 35.73<br><i>-1.09</i><br>0.00<br>N | 35.31<br><i>-1.08</i><br>0.00<br>N | 34.90<br><i>-0.90</i><br>0.00<br>N | 35.16<br><i>-0.64</i><br>0.00<br>N | 36.43<br><i>-0.58</i><br>0.00<br>N | 35.59<br><i>-0.91</i><br>0.00<br>N | 35.73<br><i>-0.88</i><br>0.00<br>N | 49.44<br><i>-0.48</i><br>-43.30<br>N | 39.91<br><i>-1.35</i><br>-2.69<br>N | 31.15<br><i>2.13</i><br>5.27<br>N  | 31.75<br><i>-0.29</i><br>0.00<br>N | 34.17<br><i>-1.05</i><br>0.00<br>N | 29.29<br><i>-0.89</i><br>0.00<br>N | 25.01<br><i>-1.16</i><br>0.00<br>N |
| WEST<br>61752  | 31.86<br><i>-0.84</i><br>0.00<br>N | 23.87<br><i>-0.78</i><br>0.00<br>N | 5.05<br><i>-0.09</i><br>0.00<br>N | 5.07<br><i>-0.11</i><br>0.00<br>N | 12.83<br><i>-0.44</i><br>0.00<br>N | 25.11<br><i>-0.97</i><br>0.00<br>N | 37.19<br><i>-1.46</i><br>0.00<br>N | 35.83<br><i>-1.20</i><br>0.00<br>N | 36.35<br><i>-1.49</i><br>0.00<br>N | 32.10<br><i>-1.38</i><br>0.00<br>N | 35.15<br><i>-1.68</i><br>0.00<br>N | 34.66<br><i>-1.73</i><br>0.00<br>N | 34.25<br><i>-1.55</i><br>0.00<br>N | 33.95<br><i>-1.76</i><br>0.00<br>N | 35.19<br><i>-1.82</i><br>0.00<br>N | 34.45<br><i>-2.05</i><br>0.00<br>N | 34.45<br><i>-2.16</i><br>0.00<br>N | 15.45<br><i>-0.98</i><br>-9.80<br>N  | 36.37<br><i>-2.82</i><br>-0.61<br>N | 34.63<br><i>-2.29</i><br>0.00<br>N | 30.80<br><i>-1.24</i><br>0.00<br>N | 33.50<br><i>-1.73</i><br>0.00<br>N | 29.11<br><i>-1.07</i><br>0.00<br>N | 25.14<br><i>-1.04</i><br>0.00<br>N |