

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

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

## Zonal Data

10/16/2015

| 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 | 3.13  | 3.73   | 10.50  | 13.86  | 7.23   | 5.56   | 19.86  | 22.68  | 20.98  | 21.34  | 21.09  | 23.37  | 21.45  | 18.49  | 20.59  | 19.55  | 21.41  | 21.65  | 23.74  | 21.10  | 24.32  | 28.11  | 23.99 | 24.64 |
| 61757  | 0.15  | 0.19   | 0.50   | 0.65   | 0.35   | 0.28   | 0.94   | 1.07   | 1.00   | 0.99   | 1.01   | 1.12   | 0.96   | 0.83   | 0.95   | 0.93   | 1.07   | 1.08   | 1.19   | 1.07   | 1.18   | 1.33   | 1.03  | 1.00  |
|        | 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  | 0.00  |
| CENTRL | 2.99  | 3.56   | 10.05  | 13.25  | 6.92   | 5.29   | 19.01  | 21.73  | 20.12  | 20.47  | 20.12  | 28.35  | 20.58  | 17.72  | 19.69  | 18.61  | 20.31  | 20.59  | 22.54  | 20.03  | 23.18  | 26.83  | 23.09 | 23.80 |
| 61754  | 0.02  | 0.02   | 0.05   | 0.04   | 0.04   | 0.01   | 0.09   | 0.11   | 0.07   | 0.10   | 0.03   | 0.08   | 0.09   | 0.07   | 0.04   | -0.01  | -0.03  | 0.02   | -0.02  | 0.00   | 0.04   | 0.06   | 0.14  | 0.16  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -0.06  | -0.03  | 0.00   | -6.01  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |
| DUNWOD | 3.19  | 3.78   | 10.63  | 14.03  | 7.31   | 5.61   | 20.30  | 23.25  | 21.54  | 21.91  | 21.66  | 23.99  | 22.11  | 19.07  | 21.20  | 20.12  | 21.95  | 22.15  | 24.25  | 21.48  | 24.82  | 28.67  | 24.51 | 25.17 |
| 61760  | 0.21  | 0.23   | 0.63   | 0.82   | 0.43   | 0.34   | 1.39   | 1.64   | 1.55   | 1.56   | 1.58   | 1.73   | 1.61   | 1.41   | 1.56   | 1.50   | 1.61   | 1.58   | 1.69   | 1.45   | 1.68   | 1.89   | 1.55  | 1.53  |
|        | 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  |
| GENESE | 2.97  | 3.52   | 9.93   | 13.06  | 6.84   | 5.22   | 18.67  | 21.30  | 19.55  | 19.94  | 19.55  | 26.71  | 20.06  | 17.26  | 19.17  | 18.08  | 19.73  | 20.05  | 22.00  | 19.64  | 22.74  | 26.34  | 22.88 | 23.65 |
| 61753  | -0.02 | -0.02  | -0.07  | -0.15  | -0.04  | -0.05  | -0.25  | -0.32  | -0.49  | -0.43  | -0.53  | -0.51  | -0.43  | -0.40  | -0.47  | -0.54  | -0.61  | -0.51  | -0.56  | -0.39  | -0.40  | -0.43  | -0.08 | 0.01  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -0.05  | -0.02  | 0.00   | -4.97  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |
| H Q    | 2.98  | 3.54   | 10.00  | 13.21  | 6.88   | 5.27   | 18.91  | 7.32   | 5.63   | 16.71  | 20.08  | -3.84  | 20.49  | 17.66  | 19.64  | 18.62  | 20.34  | 20.57  | 22.56  | 20.03  | 23.14  | 26.78  | 22.96 | 23.64 |
| 61844  | 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  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 14.30  | 14.36  | 3.63   | 0.01   | 26.10  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |
| HUD VL | 3.18  | 3.76   | 10.61  | 14.01  | 7.29   | 5.60   | 20.25  | 23.20  | 21.50  | 21.87  | 21.61  | 23.92  | 22.04  | 19.00  | 21.12  | 20.04  | 21.87  | 22.07  | 24.19  | 21.44  | 24.76  | 28.61  | 24.46 | 25.12 |
| 61758  | 0.20  | 0.22   | 0.60   | 0.80   | 0.42   | 0.33   | 1.33   | 1.59   | 1.51   | 1.52   | 1.53   | 1.67   | 1.54   | 1.34   | 1.48   | 1.42   | 1.53   | 1.50   | 1.64   | 1.41   | 1.63   | 1.84   | 1.50  | 1.48  |
|        | 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  |
| LONGIL | 3.25  | 3.88   | 11.28  | 14.45  | 7.52   | 5.75   | 117.01 | 23.83  | 21.95  | 22.36  | 25.15  | 30.66  | 22.50  | 19.37  | 21.46  | 20.40  | 22.28  | 22.47  | 24.58  | 21.87  | 25.26  | 29.18  | 24.72 | 25.47 |
| 61762  | 0.27  | 0.33   | 0.95   | 1.24   | 0.65   | 0.48   | 1.99   | 2.22   | 1.96   | 2.01   | 2.09   | 2.29   | 2.01   | 1.71   | 1.81   | 1.78   | 1.94   | 1.91   | 2.03   | 1.84   | 2.12   | 2.41   | 1.76  | 1.83  |
|        | 0.00  | 0.00   | -0.33  | 0.00   | 0.00   | 0.00   | -96.11 | 0.00   | 0.00   | 0.00   | -2.98  | -6.11  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |
| MHK VL | 3.00  | 3.56   | 10.05  | 13.28  | 6.91   | 5.31   | 19.19  | 21.96  | 20.31  | 20.65  | 21.68  | 22.41  | 20.65  | 17.76  | 19.76  | 18.70  | 20.47  | 20.73  | 22.81  | 20.28  | 23.45  | 27.14  | 23.27 | 23.98 |
| 61756  | 0.02  | 0.01   | 0.05   | 0.07   | 0.04   | 0.04   | 0.27   | 0.35   | 0.32   | 0.29   | 0.27   | 0.16   | 0.16   | 0.10   | 0.12   | 0.08   | 0.13   | 0.16   | 0.26   | 0.25   | 0.31   | 0.36   | 0.31  | 0.35  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -1.33  | 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  |
| MILLWD | 3.19  | 3.77   | 10.62  | 14.02  | 7.30   | 5.61   | 20.29  | 23.26  | 21.54  | 21.91  | 21.65  | 23.97  | 22.09  | 19.05  | 21.17  | 20.09  | 21.92  | 22.13  | 24.25  | 21.49  | 24.82  | 28.67  | 24.51 | 25.16 |
| 61759  | 0.20  | 0.23   | 0.62   | 0.81   | 0.42   | 0.34   | 1.37   | 1.64   | 1.55   | 1.56   | 1.57   | 1.71   | 1.59   | 1.39   | 1.53   | 1.47   | 1.59   | 1.56   | 1.69   | 1.46   | 1.68   | 1.90   | 1.55  | 1.52  |
|        | 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  |
| N.Y.C. | 3.21  | 3.80   | 10.68  | 14.10  | 7.34   | 5.64   | 20.40  | 23.37  | 21.67  | 22.02  | 21.77  | 24.13  | 22.25  | 19.20  | 21.35  | 20.27  | 22.11  | 22.29  | 24.39  | 21.61  | 24.97  | 28.86  | 24.69 | 25.33 |
| 61761  | 0.23  | 0.25   | 0.68   | 0.88   | 0.47   | 0.37   | 1.48   | 1.76   | 1.68   | 1.67   | 1.69   | 1.88   | 1.76   | 1.54   | 1.71   | 1.65   | 1.77   | 1.72   | 1.84   | 1.58   | 1.83   | 2.09   | 1.73  | 1.69  |
|        | 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  |
| NORTH  | 2.53  | 2.98   | 8.48   | 11.22  | 5.84   | 4.49   | 16.12  | 4.22   | 2.85   | 13.75  | 13.17  | -6.74  | 17.56  | 14.79  | 16.39  | 15.48  | 17.07  | 17.26  | 19.47  | 17.39  | 20.28  | 24.01  | 20.75 | 21.81 |
| 61755  | -0.45 | -0.57  | -1.52  | -1.99  | -1.04  | -0.78  | -2.79  | -3.29  | -3.01  | -3.02  | -2.77  | -3.31  | -2.93  | -2.87  | -3.25  | -3.14  | -3.27  | -3.31  | -3.09  | -2.64  | -2.86  | -2.76  | -2.21 | -1.82 |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 14.11  | 14.13  | 3.58   | 4.14   | 25.69  | 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    | 3.17  | 21.77  | 31.38  | 32.25  | 23.04  | 19.24  | 26.98  | 36.59  | 40.52  | 48.55  | 49.48  | 52.94  | 44.16  | 34.29  | 34.26  | 43.48  | 39.18  | 39.49  | 45.00  | 50.13  | 49.34  | 38.64  | 28.88 | 25.44 |
| 61845  | 0.19  | 0.23   | 0.63   | 0.83   | 0.44   | 0.34   | 1.15   | 1.30   | 1.22   | 1.23   | 1.25   | 1.38   | 1.25   | 1.10   | 1.19   | 1.17   | 1.29   | 1.27   | 1.33   | 1.16   | 1.29   | 1.47   | 1.17  | 1.18  |
|        | 0.00  | -17.99 | -20.74 | -18.20 | -15.73 | -13.63 | -6.91  | -13.67 | -19.31 | -26.97 | -28.15 | -29.30 | -22.41 | -15.52 | -13.42 | -23.69 | -17.55 | -17.65 | -21.12 | -28.94 | -24.91 | -10.39 | -4.75 | -0.62 |

|               |   |   |   |  |   |   |  |  |   |   |   |   |  |  |  |  |  |  |  |  |  |   |  |  |
|---------------|---|---|---|--|---|---|--|--|---|---|---|---|--|--|--|--|--|--|--|--|--|---|--|--|
| O H<br>61846  | 2.94<br><span>-0.04</span><br><span>0.00</span> | 3.49<br><span>-0.06</span><br><span>0.00</span> | 9.85<br><span>-0.15</span><br><span>0.00</span> | 12.94<br><span>-0.28</span><br><span>0.00</span> | 6.79<br><span>-0.08</span><br><span>0.00</span> | 5.14<br><span>-0.14</span><br><span>0.00</span> | 18.19<br><span>-0.73</span><br><span>0.00</span> | 20.62<br><span>-1.00</span><br><span>0.00</span> | 18.64<br><span>-1.16</span><br><span>0.19</span>  | 19.17<br><span>-1.10</span><br><span>0.08</span>  | 18.84<br><span>-1.25</span><br><span>0.00</span>    | 1.11<br><span>-1.26</span><br><span>19.88</span>  | 19.40<br><span>-1.10</span><br><span>0.00</span> | 16.68<br><span>-0.98</span><br><span>0.00</span> | 18.56<br><span>-1.08</span><br><span>0.00</span> | 17.45<br><span>-1.17</span><br><span>0.00</span> | 19.06<br><span>-1.28</span><br><span>0.00</span> | 19.38<br><span>-1.18</span><br><span>0.00</span> | 21.14<br><span>-1.42</span><br><span>0.00</span> | 18.90<br><span>-1.13</span><br><span>0.00</span> | 21.98<br><span>-1.16</span><br><span>0.00</span> | 25.64<br><span>-1.21</span><br><span>-0.08</span> | 22.41<br><span>-0.55</span><br><span>0.00</span> | 23.33<br><span>-0.31</span><br><span>0.00</span> |
| PJM<br>61847  | 3.09<br><span>0.11</span><br><span>0.00</span>  | 3.66<br><span>0.12</span><br><span>0.00</span>  | 10.33<br><span>0.33</span><br><span>0.00</span> | 13.61<br><span>0.40</span><br><span>0.00</span>  | 7.12<br><span>0.24</span><br><span>0.00</span>  | 5.43<br><span>0.16</span><br><span>0.00</span>  | 19.53<br><span>0.61</span><br><span>0.00</span>  | 22.27<br><span>0.66</span><br><span>0.00</span>  | 20.69<br><span>0.58</span><br><span>-0.13</span>  | 21.00<br><span>0.60</span><br><span>-0.06</span>  | 20.63<br><span>0.55</span><br><span>0.00</span>     | 36.25<br><span>0.65</span><br><span>-13.35</span> | 21.11<br><span>0.61</span><br><span>0.00</span>  | 18.19<br><span>0.53</span><br><span>0.00</span>  | 20.23<br><span>0.59</span><br><span>0.00</span>  | 19.13<br><span>0.51</span><br><span>0.00</span>  | 20.89<br><span>0.55</span><br><span>0.00</span>  | 21.12<br><span>0.56</span><br><span>0.00</span>  | 23.07<br><span>0.51</span><br><span>0.00</span>  | 20.48<br><span>0.45</span><br><span>0.00</span>  | 23.71<br><span>0.57</span><br><span>0.00</span>  | 27.45<br><span>0.67</span><br><span>0.00</span>   | 23.62<br><span>0.66</span><br><span>0.00</span>  | 24.38<br><span>0.74</span><br><span>0.00</span>  |
| WEST<br>61752 | 2.98<br><span>0.00</span><br><span>0.00</span>  | 3.54<br><span>-0.01</span><br><span>0.00</span> | 9.97<br><span>-0.03</span><br><span>0.00</span> | 13.08<br><span>-0.13</span><br><span>0.00</span> | 6.87<br><span>-0.01</span><br><span>0.00</span> | 5.20<br><span>-0.07</span><br><span>0.00</span> | 18.46<br><span>-0.46</span><br><span>0.00</span> | 20.98<br><span>-0.63</span><br><span>0.00</span> | 20.22<br><span>-0.74</span><br><span>-0.97</span> | 20.09<br><span>-0.67</span><br><span>-0.41</span> | 19.22<br><span>-0.86</span><br><span>-101.42</span> | 122.73<br><span>-0.93</span><br><span>0.00</span> | 19.71<br><span>-0.78</span><br><span>0.00</span> | 16.93<br><span>-0.73</span><br><span>0.00</span> | 18.80<br><span>-0.84</span><br><span>0.00</span> | 17.66<br><span>-0.96</span><br><span>0.00</span> | 19.28<br><span>-1.06</span><br><span>0.00</span> | 19.64<br><span>-0.92</span><br><span>0.00</span> | 21.43<br><span>-1.12</span><br><span>0.00</span> | 19.21<br><span>-0.82</span><br><span>0.00</span> | 22.33<br><span>-0.80</span><br><span>0.00</span> | 25.96<br><span>-0.82</span><br><span>0.00</span>  | 22.75<br><span>-0.21</span><br><span>0.00</span> | 23.67<br><span>0.03</span><br><span>0.00</span>  |