

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

02/02/2002

| 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<br>61757 | 19.12<br>0.94<br>0.00  | 29.37<br>1.83<br>0.00  | 19.84<br>1.19<br>0.00  | 14.42<br>0.86<br>0.00  | 18.44<br>1.12<br>0.00  | 22.55<br>1.21<br>0.00  | 25.59<br>0.98<br>0.00  | 21.80<br>0.61<br>0.00  | 22.64<br>0.59<br>0.00  | 25.83<br>0.67<br>0.00  | 26.17<br>0.66<br>0.00  | 25.21<br>0.67<br>0.00  | 27.38<br>0.92<br>0.00  | 21.06<br>0.59<br>0.00  | 21.02<br>0.63<br>0.00  | 24.34<br>0.74<br>0.00  | 17.87<br>0.30<br>0.00  | 28.04<br>0.55<br>0.00  | 27.93<br>0.43<br>0.00  | 28.88<br>0.50<br>0.00  | 28.45<br>0.74<br>0.00  | 20.35<br>0.60<br>0.00   | 19.42<br>0.71<br>0.00  | 20.75<br>0.82<br>0.00  |
| CENTRL<br>61754 | 17.99<br>-0.19<br>0.00 | 27.17<br>-0.36<br>0.00 | 18.36<br>-0.28<br>0.00 | 13.46<br>-0.10<br>0.00 | 17.15<br>-0.16<br>0.00 | 21.04<br>-0.30<br>0.00 | 24.31<br>-0.30<br>0.00 | 21.02<br>-0.18<br>0.00 | 21.82<br>-0.22<br>0.00 | 24.89<br>-0.27<br>0.00 | 25.27<br>-0.23<br>0.00 | 24.30<br>-0.24<br>0.00 | 26.19<br>-0.27<br>0.00 | 20.25<br>-0.22<br>0.00 | 20.19<br>-0.21<br>0.00 | 23.33<br>-0.27<br>0.00 | 17.41<br>-0.16<br>0.00 | 27.27<br>-0.22<br>0.00 | 27.34<br>-0.16<br>0.00 | 28.21<br>-0.17<br>0.00 | 27.50<br>-0.22<br>0.00 | 19.58<br>-0.18<br>0.00  | 18.50<br>-0.21<br>0.00 | 19.71<br>-0.22<br>0.00 |
| DUNWOD<br>61760 | 19.12<br>0.94<br>0.00  | 28.60<br>1.06<br>0.00  | 19.31<br>0.67<br>0.00  | 13.96<br>0.39<br>0.00  | 17.84<br>0.53<br>0.00  | 22.21<br>0.87<br>0.00  | 26.01<br>1.40<br>0.00  | 22.64<br>1.45<br>0.00  | 23.75<br>1.71<br>0.00  | 27.20<br>2.04<br>0.00  | 27.57<br>2.06<br>0.00  | 26.58<br>2.05<br>0.00  | 28.55<br>2.09<br>0.00  | 22.10<br>1.63<br>0.00  | 21.95<br>1.56<br>0.00  | 25.41<br>1.81<br>0.00  | 19.05<br>1.48<br>0.00  | 30.02<br>2.53<br>0.00  | 29.89<br>2.40<br>0.00  | 30.77<br>2.39<br>0.00  | 29.94<br>2.22<br>0.00  | 21.35<br>1.60<br>0.00   | 20.08<br>1.37<br>0.00  | 21.14<br>1.21<br>0.00  |
| GENESE<br>61753 | 17.84<br>-0.34<br>0.00 | 27.21<br>-0.33<br>0.00 | 18.41<br>-0.23<br>0.00 | 13.50<br>-0.06<br>0.00 | 17.19<br>-0.13<br>0.00 | 21.00<br>-0.33<br>0.00 | 23.96<br>-0.65<br>0.00 | 20.46<br>-0.74<br>0.00 | 21.14<br>-0.90<br>0.00 | 24.14<br>-1.01<br>0.00 | 24.55<br>-0.96<br>0.00 | 23.59<br>-0.94<br>0.00 | 25.57<br>-0.89<br>0.00 | 19.77<br>-0.70<br>0.00 | 19.78<br>-0.61<br>0.00 | 22.79<br>-0.81<br>0.00 | 16.83<br>-0.75<br>0.00 | 26.31<br>-1.19<br>0.00 | 26.38<br>-1.12<br>0.00 | 27.22<br>-1.15<br>0.00 | 26.64<br>-1.08<br>0.00 | 19.01<br>-0.75<br>0.00  | 18.06<br>-0.65<br>0.00 | 19.32<br>-0.61<br>0.00 |
| H Q<br>61844    | 17.98<br>-0.21<br>0.00 | 27.37<br>-0.17<br>0.00 | 18.59<br>-0.05<br>0.00 | 13.53<br>-0.03<br>0.00 | 17.23<br>-0.08<br>0.00 | 19.00<br>-0.02<br>0.12 | 19.00<br>-0.20<br>3.02 | 20.87<br>-0.33<br>0.00 | 21.65<br>-0.39<br>0.00 | 24.68<br>-0.47<br>0.00 | 23.00<br>-0.41<br>4.08 | 24.02<br>-0.51<br>0.00 | 27.01<br>-0.23<br>1.75 | 20.09<br>-0.38<br>0.00 | 24.00<br>-0.23<br>4.50 | 21.00<br>-0.17<br>2.42 | 22.91<br>-0.45<br>0.08 | 26.88<br>-0.61<br>0.00 | 26.98<br>-0.51<br>0.00 | 23.00<br>-0.71<br>8.53 | 23.00<br>-0.43<br>3.29 | 23.59<br>-0.49<br>11.26 | 23.00<br>-0.26<br>0.26 | 22.01<br>-0.09<br>0.83 |
| HUD VL<br>61758 | 18.88<br>0.69<br>0.00  | 28.32<br>0.78<br>0.00  | 19.14<br>0.50<br>0.00  | 13.86<br>0.30<br>0.00  | 17.73<br>0.42<br>0.00  | 22.03<br>0.69<br>0.00  | 25.70<br>1.09<br>0.00  | 22.34<br>1.15<br>0.00  | 23.37<br>1.33<br>0.00  | 26.71<br>1.56<br>0.00  | 27.08<br>1.57<br>0.00  | 26.08<br>1.55<br>0.00  | 28.02<br>1.56<br>0.00  | 21.68<br>1.21<br>0.00  | 21.53<br>1.14<br>0.00  | 24.90<br>1.30<br>0.00  | 18.69<br>1.11<br>0.00  | 29.42<br>1.93<br>0.00  | 29.39<br>1.90<br>0.00  | 30.27<br>1.89<br>0.00  | 29.47<br>1.75<br>0.00  | 20.99<br>1.23<br>0.00   | 19.76<br>1.05<br>0.00  | 20.86<br>0.93<br>0.00  |
| LONGIL<br>61762 | 19.05<br>0.86<br>0.00  | 28.41<br>0.87<br>0.00  | 19.16<br>0.52<br>0.00  | 13.85<br>0.29<br>0.00  | 17.71<br>0.40<br>0.00  | 22.13<br>0.79<br>0.00  | 25.92<br>1.31<br>0.00  | 22.57<br>1.38<br>0.00  | 24.43<br>1.67<br>-0.72 | 27.14<br>1.98<br>0.00  | 27.42<br>1.91<br>0.00  | 26.43<br>1.90<br>0.00  | 28.34<br>1.88<br>0.00  | 21.93<br>1.47<br>0.00  | 21.81<br>1.42<br>0.00  | 25.21<br>1.61<br>0.00  | 18.91<br>1.34<br>0.00  | 29.82<br>2.32<br>0.00  | 29.53<br>2.03<br>0.00  | 30.41<br>2.03<br>0.00  | 29.72<br>2.00<br>0.00  | 21.58<br>1.47<br>-0.35  | 20.00<br>1.27<br>-0.03 | 20.98<br>1.05<br>0.00  |
| MHK VL<br>61756 | 18.52<br>0.34<br>0.00  | 28.14<br>0.60<br>0.00  | 19.03<br>0.39<br>0.00  | 13.83<br>0.27<br>0.00  | 17.67<br>0.36<br>0.00  | 21.74<br>0.40<br>0.00  | 25.01<br>0.40<br>0.00  | 21.52<br>0.32<br>0.00  | 22.34<br>0.30<br>0.00  | 25.47<br>0.32<br>0.00  | 25.80<br>0.29<br>0.00  | 24.80<br>0.26<br>0.00  | 26.83<br>0.36<br>0.00  | 20.71<br>0.25<br>0.00  | 20.64<br>0.24<br>0.00  | 23.85<br>0.25<br>0.00  | 17.63<br>0.06<br>0.00  | 27.62<br>0.13<br>0.00  | 27.64<br>0.14<br>0.00  | 28.51<br>0.13<br>0.00  | 27.86<br>0.14<br>0.00  | 19.92<br>0.16<br>0.00   | 18.88<br>0.17<br>0.00  | 20.14<br>0.21<br>0.00  |
| MILLWD<br>61759 | 18.87<br>0.69<br>0.00  | 28.23<br>0.70<br>0.00  | 19.07<br>0.43<br>0.00  | 13.79<br>0.23<br>0.00  | 17.62<br>0.31<br>0.00  | 21.93<br>0.59<br>0.00  | 25.67<br>1.06<br>0.00  | 22.35<br>1.15<br>0.00  | 23.43<br>1.38<br>0.00  | 26.81<br>1.66<br>0.00  | 27.17<br>1.67<br>0.00  | 26.19<br>1.66<br>0.00  | 28.13<br>1.67<br>0.00  | 21.77<br>1.30<br>0.00  | 21.63<br>1.23<br>0.00  | 25.03<br>1.43<br>0.00  | 18.78<br>1.21<br>0.00  | 29.59<br>2.09<br>0.00  | 29.50<br>2.00<br>0.00  | 30.36<br>1.98<br>0.00  | 29.54<br>1.82<br>0.00  | 21.05<br>1.30<br>0.00   | 19.80<br>1.09<br>0.00  | 20.85<br>0.93<br>0.00  |
| N.Y.C.<br>61761 | 19.50<br>1.32<br>0.00  | 29.10<br>1.57<br>0.00  | 19.63<br>0.99<br>0.00  | 14.17<br>0.61<br>0.00  | 18.12<br>0.81<br>0.00  | 22.58<br>1.25<br>0.00  | 26.51<br>1.90<br>0.00  | 23.09<br>1.90<br>0.00  | 24.25<br>2.21<br>0.00  | 27.78<br>2.62<br>0.00  | 28.18<br>2.68<br>0.00  | 27.22<br>2.68<br>0.00  | 29.27<br>2.81<br>0.00  | 22.65<br>2.19<br>0.00  | 22.49<br>2.10<br>0.00  | 26.03<br>2.43<br>0.00  | 19.50<br>1.93<br>0.00  | 30.70<br>3.20<br>0.00  | 30.42<br>2.92<br>0.00  | 31.33<br>2.95<br>0.00  | 30.48<br>2.77<br>0.00  | 21.79<br>2.04<br>0.00   | 20.50<br>1.79<br>0.00  | 21.54<br>1.61<br>0.00  |
| NORTH<br>61755  | 17.91<br>-0.27<br>0.00 | 27.55<br>0.02<br>0.00  | 18.73<br>0.08<br>0.00  | 13.63<br>0.06<br>0.00  | 17.34<br>0.03<br>0.00  | 21.31<br>-0.02<br>0.00 | 24.30<br>-0.31<br>0.00 | 20.77<br>-0.42<br>0.00 | 21.54<br>-0.50<br>0.00 | 24.57<br>-0.59<br>0.00 | 24.88<br>-0.63<br>0.00 | 23.91<br>-0.62<br>0.00 | 25.88<br>-0.58<br>0.00 | 20.02<br>-0.45<br>0.00 | 19.98<br>-0.42<br>0.00 | 23.14<br>-0.46<br>0.00 | 17.12<br>-0.45<br>0.00 | 26.75<br>-0.75<br>0.00 | 26.84<br>-0.65<br>0.00 | 27.71<br>-0.67<br>0.00 | 27.08<br>-0.64<br>0.00 | 19.32<br>-0.44<br>0.00  | 18.35<br>-0.37<br>0.00 | 19.62<br>-0.31<br>0.00 |
| NPX<br>61845    | 18.63<br>0.45<br>0.00  | 28.39<br>0.85<br>0.00  | 19.19<br>0.54<br>0.00  | 13.94<br>0.38<br>0.00  | 17.82<br>0.51<br>0.00  | 19.65<br>0.63<br>0.12  | 20.11<br>0.91<br>3.02  | 21.51<br>0.31<br>0.00  | 22.42<br>0.38<br>0.00  | 25.59<br>0.44<br>0.00  | 24.92<br>1.51<br>4.08  | 25.00<br>0.47<br>0.00  | 28.66<br>1.42<br>1.75  | 20.86<br>0.39<br>0.00  | 25.61<br>1.38<br>4.50  | 22.28<br>1.11<br>2.42  | 24.65<br>1.29<br>0.08  | 27.94<br>0.44<br>0.00  | 27.84<br>0.35<br>0.00  | 28.75<br>0.37<br>0.00  | 25.03<br>1.60<br>3.29  | 26.27<br>2.19<br>11.26  | 24.67<br>1.41<br>0.26  | 23.20<br>1.10<br>0.83  |

|               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |
|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|
| H<br>61846    | 17.40<br><span>-0.78</span><br><span>0.00</span> | 26.01<br><span>-1.52</span><br><span>0.00</span> | 17.75<br><span>-0.89</span><br><span>0.00</span> | 12.99<br><span>-0.57</span><br><span>0.00</span> | 16.46<br><span>-0.85</span><br><span>0.00</span> | 18.14<br><span>-0.88</span><br><span>0.12</span> | 18.60<br><span>-0.60</span><br><span>3.02</span> | 20.45<br><span>-0.74</span><br><span>0.00</span> | 20.97<br><span>-1.07</span><br><span>0.00</span> | 23.88<br><span>-1.27</span><br><span>0.00</span> | 20.72<br><span>-2.69</span><br><span>4.08</span> | 23.34<br><span>-1.19</span><br><span>0.00</span> | 24.28<br><span>-2.96</span><br><span>1.75</span> | 19.54<br><span>-0.93</span><br><span>0.00</span> | 21.53<br><span>-2.70</span><br><span>4.50</span> | 19.12<br><span>-2.05</span><br><span>2.42</span> | 21.91<br><span>-1.45</span><br><span>0.08</span> | 26.25<br><span>-1.24</span><br><span>0.00</span> | 26.42<br><span>-1.08</span><br><span>0.00</span> | 27.24<br><span>-1.13</span><br><span>0.00</span> | 21.11<br><span>-2.32</span><br><span>3.29</span> | 20.58<br><span>-3.50</span><br><span>11.26</span> | 20.86<br><span>-2.40</span><br><span>0.26</span> | 20.20<br><span>-1.90</span><br><span>0.83</span> |
| PJM<br>61847  | 17.31<br><span>-0.88</span><br><span>0.00</span> | 25.96<br><span>-1.58</span><br><span>0.00</span> | 17.65<br><span>-1.00</span><br><span>0.00</span> | 12.84<br><span>-0.72</span><br><span>0.00</span> | 16.35<br><span>-0.96</span><br><span>0.00</span> | 18.04<br><span>-0.98</span><br><span>0.12</span> | 18.76<br><span>-0.44</span><br><span>3.02</span> | 20.53<br><span>-0.67</span><br><span>0.00</span> | 21.26<br><span>-0.78</span><br><span>0.00</span> | 24.25<br><span>-0.90</span><br><span>0.00</span> | 22.20<br><span>-1.21</span><br><span>4.08</span> | 23.61<br><span>-0.92</span><br><span>0.00</span> | 25.59<br><span>-1.65</span><br><span>1.75</span> | 19.69<br><span>-0.78</span><br><span>0.00</span> | 22.45<br><span>-1.78</span><br><span>4.50</span> | 20.01<br><span>-1.16</span><br><span>2.42</span> | 23.01<br><span>-0.35</span><br><span>0.08</span> | 26.65<br><span>-0.84</span><br><span>0.00</span> | 26.80<br><span>-0.69</span><br><span>0.00</span> | 27.58<br><span>-0.79</span><br><span>0.00</span> | 22.20<br><span>-1.23</span><br><span>3.29</span> | 21.99<br><span>-2.09</span><br><span>11.26</span> | 21.80<br><span>-1.46</span><br><span>0.26</span> | 20.52<br><span>-1.58</span><br><span>0.83</span> |
| WEST<br>61752 | 17.36<br><span>-0.82</span><br><span>0.00</span> | 25.96<br><span>-1.58</span><br><span>0.00</span> | 17.72<br><span>-0.92</span><br><span>0.00</span> | 12.98<br><span>-0.58</span><br><span>0.00</span> | 16.46<br><span>-0.86</span><br><span>0.00</span> | 20.34<br><span>-1.00</span><br><span>0.00</span> | 23.71<br><span>-0.90</span><br><span>0.00</span> | 20.44<br><span>-0.75</span><br><span>0.00</span> | 20.95<br><span>-1.09</span><br><span>0.00</span> | 23.86<br><span>-1.29</span><br><span>0.00</span> | 24.33<br><span>-1.17</span><br><span>0.00</span> | 23.35<br><span>-1.18</span><br><span>0.00</span> | 25.01<br><span>-1.45</span><br><span>0.00</span> | 19.55<br><span>-0.92</span><br><span>0.00</span> | 19.48<br><span>-0.92</span><br><span>0.00</span> | 22.37<br><span>-1.23</span><br><span>0.00</span> | 16.91<br><span>-0.66</span><br><span>0.00</span> | 26.25<br><span>-1.25</span><br><span>0.00</span> | 26.49<br><span>-1.01</span><br><span>0.00</span> | 27.33<br><span>-1.05</span><br><span>0.00</span> | 26.62<br><span>-1.10</span><br><span>0.00</span> | 19.03<br><span>-0.72</span><br><span>0.00</span>  | 17.90<br><span>-0.81</span><br><span>0.00</span> | 19.12<br><span>-0.81</span><br><span>0.00</span> |