

## Day Ahead Market Zonal LBMP

--- LBMP \$

### --- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

11/04/2001

| 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 61757 | 29.47 | 25.18 | 23.87 | 22.65 | 22.15 | 23.43 | 22.80 | 29.19 | 27.68 | 29.67 | 30.91 | 31.13 | 31.05 | 30.74 | 30.69 | 30.73 | 31.27 | 37.52  | 38.57  | 38.63  | 36.24 | 34.36 | 27.97 | 28.79 |
|              | 1.24  | 1.11  | 1.05  | 0.93  | 0.91  | 1.05  | 0.94  | 1.47  | 1.44  | 1.41  | 1.63  | 1.69  | 1.57  | 1.53  | 1.51  | 1.52  | 1.57  | 2.01   | 2.43   | 2.37   | 1.99  | 1.69  | 1.15  | 1.29  |
|              | 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 61754 | 27.25 | 23.06 | 21.89 | 20.96 | 20.50 | 21.56 | 21.06 | 26.59 | 25.17 | 27.22 | 28.10 | 28.23 | 28.28 | 28.02 | 27.99 | 28.03 | 28.53 | 34.33  | 35.02  | 35.07  | 32.99 | 31.38 | 25.84 | 26.50 |
|              | -0.98 | -1.01 | -0.93 | -0.76 | -0.74 | -0.82 | -0.80 | -1.13 | -1.07 | -1.04 | -1.18 | -1.21 | -1.20 | -1.19 | -1.19 | -1.18 | -1.17 | -1.18  | -1.12  | -1.19  | -1.26 | -1.29 | -0.98 | -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  |
| DUNWOD 61760 | 30.12 | 25.75 | 24.37 | 23.00 | 22.49 | 23.72 | 23.08 | 29.60 | 28.31 | 30.61 | 31.68 | 31.74 | 31.81 | 31.61 | 31.60 | 31.61 | 32.14 | 38.28  | 39.14  | 39.16  | 36.65 | 34.92 | 27.49 | 29.23 |
|              | 1.89  | 1.68  | 1.55  | 1.28  | 1.25  | 1.34  | 1.22  | 1.88  | 2.07  | 2.35  | 2.40  | 2.41  | 2.42  | 2.40  | 2.42  | 2.40  | 2.44  | 2.77   | 3.00   | 2.90   | 2.40  | 2.25  | 1.96  | 1.73  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.11  | 0.09  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 1.29  | 0.00  |
| GENESE 61753 | 26.32 | 22.25 | 21.13 | 20.47 | 20.02 | 20.93 | 20.46 | 25.52 | 23.94 | 25.84 | 26.60 | 26.72 | 26.79 | 26.54 | 26.51 | 26.52 | 27.00 | 32.59  | 33.31  | 33.36  | 31.49 | 29.99 | 24.85 | 25.62 |
|              | -1.91 | -1.82 | -1.69 | -1.25 | -1.22 | -1.45 | -1.40 | -2.20 | -2.30 | -2.42 | -2.68 | -2.72 | -2.69 | -2.67 | -2.69 | -2.69 | -2.70 | -2.92  | -2.83  | -2.90  | -2.76 | -2.68 | -1.97 | -1.88 |
|              | 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  |
| H Q 61844    | 24.15 | 24.00 | 22.75 | 21.65 | 21.18 | 22.31 | 21.90 | 27.66 | 26.11 | 28.12 | 29.13 | 29.26 | 29.30 | 29.06 | 29.03 | 29.06 | 29.55 | 35.26  | 35.71  | 35.90  | 34.11 | 32.64 | 26.77 | 27.44 |
|              | -0.08 | -0.07 | -0.07 | -0.07 | -0.06 | -0.07 | 0.04  | -0.06 | -0.13 | -0.14 | -0.15 | -0.18 | -0.18 | -0.15 | -0.15 | -0.15 | -0.15 | -0.25  | -0.43  | -0.36  | -0.14 | -0.03 | -0.05 | -0.06 |
|              | 4.00  | 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  |
| HUD VL 61758 | 30.00 | 25.63 | 24.25 | 22.92 | 22.41 | 23.63 | 23.00 | 29.51 | 28.26 | 30.53 | 31.61 | 31.77 | 31.82 | 31.56 | 31.52 | 31.55 | 32.09 | 38.33  | 39.17  | 39.22  | 36.66 | 34.91 | 28.36 | 29.08 |
|              | 1.77  | 1.56  | 1.43  | 1.20  | 1.17  | 1.25  | 1.14  | 1.79  | 2.02  | 2.27  | 2.33  | 2.36  | 2.37  | 2.35  | 2.34  | 2.34  | 2.39  | 2.82   | 3.03   | 2.96   | 2.41  | 2.24  | 1.92  | 1.58  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.03  | 0.03  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.38  | 0.00  | 0.00  |
| LONGIL 61762 | 30.48 | 28.26 | 24.65 | 31.75 | 31.42 | 31.76 | 31.80 | 32.54 | 33.54 | 34.78 | 35.75 | 36.12 | 36.20 | 36.18 | 35.99 | 36.12 | 38.59 | 62.97  | 62.97  | 62.82  | 45.02 | 39.21 | 37.17 | 35.33 |
|              | 2.06  | 2.06  | 1.83  | 1.41  | 1.38  | 1.47  | 1.38  | 2.09  | 2.20  | 2.45  | 2.51  | 2.53  | 2.53  | 2.51  | 2.51  | 2.51  | 2.53  | 3.03   | 3.26   | 3.15   | 2.61  | 2.46  | 2.08  | 1.89  |
|              | -0.19 | -2.13 | 0.00  | -8.62 | -8.80 | -7.91 | -8.56 | -2.73 | -5.10 | -4.07 | -3.96 | -4.15 | -4.19 | -4.46 | -4.30 | -4.40 | -6.36 | -24.43 | -23.57 | -23.41 | -8.16 | -4.08 | -8.27 | -5.94 |
| MHK VL 61756 | 28.32 | 24.10 | 22.81 | 21.71 | 21.23 | 22.45 | 21.96 | 27.87 | 26.38 | 28.24 | 29.47 | 29.63 | 29.66 | 29.38 | 29.37 | 29.42 | 29.99 | 35.99  | 36.65  | 36.75  | 34.63 | 32.95 | 26.77 | 27.65 |
|              | 0.09  | 0.03  | -0.01 | -0.01 | -0.01 | 0.07  | 0.10  | 0.15  | 0.14  | -0.02 | 0.19  | 0.19  | 0.18  | 0.17  | 0.19  | 0.21  | 0.29  | 0.48   | 0.51   | 0.49   | 0.38  | 0.28  | -0.05 | 0.15  |
|              | 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  |
| MILLWD 61759 | 29.90 | 25.56 | 24.18 | 22.83 | 22.32 | 23.53 | 22.91 | 29.38 | 28.08 | 30.35 | 31.42 | 31.52 | 31.59 | 31.37 | 31.34 | 31.37 | 31.87 | 38.00  | 38.82  | 38.84  | 36.34 | 34.66 | 27.50 | 28.99 |
|              | 1.67  | 1.49  | 1.36  | 1.11  | 1.08  | 1.15  | 1.05  | 1.66  | 1.84  | 2.09  | 2.14  | 2.17  | 2.18  | 2.16  | 2.16  | 2.16  | 2.17  | 2.49   | 2.68   | 2.58   | 2.09  | 1.99  | 1.72  | 1.49  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.09  | 0.07  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 1.04  | 0.00  |
| N.Y.C. 61761 | 30.37 | 25.97 | 24.57 | 23.20 | 22.69 | 23.91 | 23.24 | 29.82 | 28.60 | 30.87 | 31.96 | 32.35 | 32.36 | 31.92 | 31.89 | 31.92 | 32.42 | 38.54  | 39.38  | 39.42  | 36.85 | 35.18 | 32.14 | 29.47 |
|              | 2.14  | 1.90  | 1.75  | 1.48  | 1.45  | 1.53  | 1.38  | 2.10  | 2.36  | 2.61  | 2.68  | 2.73  | 2.73  | 2.71  | 2.71  | 2.71  | 2.72  | 3.03   | 3.24   | 3.16   | 2.60  | 2.51  | 2.18  | 1.97  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.18 | -0.15 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | -3.14 | 0.00  |       |
| NORTH 61755  | 28.13 | 23.99 | 22.71 | 21.60 | 21.13 | 22.29 | 21.95 | 27.76 | 26.17 | 28.13 | 29.16 | 29.33 | 29.36 | 29.09 | 29.07 | 29.10 | 29.61 | 35.33  | 35.81  | 36.01  | 34.26 | 32.70 | 26.76 | 27.45 |
|              | -0.10 | -0.08 | -0.11 | -0.12 | -0.11 | -0.09 | 0.09  | 0.04  | -0.07 | -0.13 | -0.12 | -0.11 | -0.12 | -0.12 | -0.11 | -0.11 | -0.09 | -0.18  | -0.33  | -0.25  | 0.01  | 0.03  | -0.06 | -0.05 |
|              | 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 61845    | 25.47 | 25.20 | 23.87 | 22.61 | 22.11 | 23.34 | 22.71 | 29.11 | 27.68 | 29.81 | 30.92 | 31.13 | 31.13 | 30.85 | 30.81 | 30.85 | 31.33 | 37.50  | 38.34  | 38.44  | 36.06 | 34.24 | 28.08 | 28.71 |
|              | 1.24  | 1.13  | 1.05  | 0.89  | 0.87  | 0.96  | 0.85  | 1.39  | 1.44  | 1.55  | 1.64  | 1.68  | 1.65  | 1.64  | 1.63  | 1.64  | 1.63  | 1.99   | 2.20   | 2.18   | 1.81  | 1.57  | 1.26  | 1.21  |
|              | 4.00  | 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  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  |

|               |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|---------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| H<br>61846    | 22.00<br><del>-2.23</del><br>4.00 | 22.00<br><del>-2.07</del><br>0.00 | 20.90<br><del>-1.92</del><br>0.00 | 20.53<br><del>-1.19</del><br>0.00 | 20.09<br><del>-1.15</del><br>0.00 | 20.90<br><del>-1.48</del><br>0.00 | 20.35<br><del>-1.51</del><br>0.00 | 25.00<br><del>-2.72</del><br>0.00 | 23.09<br><del>-3.15</del><br>0.00 | 24.84<br><del>-3.42</del><br>0.00 | 25.39<br><del>-3.89</del><br>0.00 | 25.41<br><del>-4.03</del><br>0.00 | 25.56<br><del>-3.92</del><br>0.00 | 25.38<br><del>-3.83</del><br>0.00 | 25.39<br><del>-3.79</del><br>0.00 | 25.35<br><del>-3.86</del><br>0.00 | 25.66<br><del>-4.04</del><br>0.00 | 30.79<br><del>-4.72</del><br>0.00 | 31.51<br><del>-4.63</del><br>0.00 | 31.58<br><del>-4.68</del><br>0.00 | 29.97<br><del>-4.28</del><br>0.00 | 28.62<br><del>-4.05</del><br>0.00 | 24.06<br><del>-2.76</del><br>0.00 | 25.02<br><del>-2.48</del><br>0.00 |
| PJM<br>61847  | 17.00<br><del>-2.94</del><br>8.29 | 15.00<br><del>-2.48</del><br>6.59 | 15.00<br><del>-2.35</del><br>5.47 | 16.00<br><del>-1.82</del><br>3.90 | 15.01<br><del>-1.78</del><br>4.45 | 16.00<br><del>-1.99</del><br>4.39 | 19.94<br><del>-1.92</del><br>0.00 | 21.01<br><del>-2.99</del><br>3.72 | 23.00<br><del>-2.86</del><br>0.38 | 26.00<br><del>-2.26</del><br>0.00 | 26.00<br><del>-3.28</del><br>0.00 | 26.08<br><del>-3.36</del><br>0.00 | 26.18<br><del>-3.30</del><br>0.00 | 26.00<br><del>-3.21</del><br>0.00 | 26.00<br><del>-3.18</del><br>0.00 | 26.00<br><del>-3.21</del><br>0.00 | 26.34<br><del>-3.36</del><br>0.00 | 32.07<br><del>-3.44</del><br>0.00 | 32.82<br><del>-3.32</del><br>0.00 | 32.85<br><del>-3.41</del><br>0.00 | 30.72<br><del>-3.53</del><br>0.00 | 27.00<br><del>-3.69</del><br>1.98 | 20.00<br><del>-2.71</del><br>4.11 | 21.00<br><del>-2.86</del><br>3.64 |
| WEST<br>61752 | 25.92<br><del>-2.31</del><br>0.00 | 22.00<br><del>-2.07</del><br>0.00 | 20.91<br><del>-1.91</del><br>0.00 | 20.52<br><del>-1.20</del><br>0.00 | 20.08<br><del>-1.16</del><br>0.00 | 20.94<br><del>-1.44</del><br>0.00 | 20.40<br><del>-1.46</del><br>0.00 | 25.02<br><del>-2.70</del><br>0.00 | 23.18<br><del>-3.06</del><br>0.00 | 25.11<br><del>-3.15</del><br>0.00 | 25.52<br><del>-3.76</del><br>0.00 | 25.54<br><del>-3.90</del><br>0.00 | 25.67<br><del>-3.81</del><br>0.00 | 25.53<br><del>-3.68</del><br>0.00 | 25.55<br><del>-3.63</del><br>0.00 | 25.50<br><del>-3.71</del><br>0.00 | 25.80<br><del>-3.90</del><br>0.00 | 31.01<br><del>-4.50</del><br>0.00 | 31.82<br><del>-4.32</del><br>0.00 | 31.88<br><del>-4.38</del><br>0.00 | 30.17<br><del>-4.08</del><br>0.00 | 28.74<br><del>-3.93</del><br>0.00 | 24.12<br><del>-2.70</del><br>0.00 | 25.05<br><del>-2.45</del><br>0.00 |