

## Day Ahead Market Zonal LBMP

--- LBMP \$

### --- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

02/23/2003

| 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 | 52.05  | 48.11  | 38.57  | 37.00  | 37.00  | 39.73  | 35.66  | 44.79  | 54.24  | 66.05  | 67.02  | 67.19  | 64.64  | 58.28  | 57.65  | 57.79  | 60.97  | 79.16  | 84.27  | 80.50  | 73.43  | 62.90  | 62.34  | 60.45  |
| 61757  | 1.80   | 1.60   | 1.18   | 1.10   | 1.10   | 1.26   | 0.87   | 1.66   | 2.30   | 2.89   | 3.16   | 3.14   | 2.92   | 2.62   | 2.48   | 2.57   | 3.06   | 4.80   | 5.21   | 4.98   | 4.20   | 3.35   | 2.97   | 2.54   |
|        | 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 | 48.93  | 45.31  | 36.28  | 34.86  | 34.87  | 37.46  | 33.78  | 42.09  | 50.36  | 61.16  | 61.99  | 62.18  | 59.92  | 54.04  | 53.48  | 53.62  | 56.33  | 72.79  | 77.38  | 74.12  | 67.78  | 58.23  | 58.26  | 56.43  |
| 61754  | -1.32  | -1.20  | -1.11  | -1.04  | -1.03  | -1.01  | -1.01  | -1.04  | -1.58  | -2.00  | -1.87  | -1.87  | -1.80  | -1.62  | -1.69  | -1.60  | -1.58  | -1.57  | -1.68  | -1.40  | -1.45  | -1.32  | -1.11  | -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   |
| DUNWOD | 42.11  | 39.35  | 27.78  | 26.38  | 26.55  | 30.60  | 20.51  | 30.98  | 42.93  | 59.76  | 61.35  | 61.35  | 57.77  | 48.53  | 47.57  | 47.79  | 52.40  | 76.24  | 82.21  | 77.49  | 67.75  | 53.29  | 53.31  | 52.23  |
| 61760  | 2.51   | 2.09   | 1.57   | 1.47   | 1.47   | 1.69   | 1.22   | 2.20   | 3.01   | 3.66   | 4.09   | 3.97   | 3.70   | 3.34   | 3.14   | 3.26   | 3.76   | 5.80   | 6.32   | 5.97   | 5.12   | 4.17   | 3.92   | 3.53   |
|        | 10.65  | 9.25   | 11.18  | 10.99  | 10.82  | 9.56   | 15.50  | 14.35  | 12.02  | 7.06   | 6.60   | 6.67   | 7.65   | 10.47  | 10.74  | 10.69  | 9.27   | 3.92   | 3.17   | 4.00   | 6.60   | 10.43  | 9.98   | 9.21   |
| GENESE | 48.16  | 44.71  | 35.76  | 34.33  | 34.35  | 36.98  | 33.27  | 41.56  | 48.66  | 59.00  | 59.90  | 60.11  | 57.97  | 52.37  | 51.79  | 51.97  | 54.74  | 70.85  | 74.95  | 72.40  | 66.10  | 56.87  | 57.71  | 55.30  |
| 61753  | -2.09  | -1.80  | -1.63  | -1.57  | -1.55  | -1.49  | -1.52  | -1.57  | -3.28  | -4.16  | -3.96  | -3.94  | -3.75  | -3.29  | -3.38  | -3.25  | -3.17  | -3.51  | -4.11  | -3.12  | -3.13  | -2.68  | -1.66  | -2.61  |
|        | 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    | 49.85  | 46.18  | 37.24  | 35.79  | 35.79  | 38.24  | 34.89  | 42.74  | 51.58  | 62.72  | 63.16  | 63.41  | 61.16  | 55.16  | 54.78  | 54.72  | 57.16  | 72.80  | 77.48  | 73.78  | 67.78  | 58.42  | 58.24  | 57.16  |
| 61844  | -0.40  | -0.33  | -0.15  | -0.11  | -0.11  | -0.23  | 0.10   | -0.39  | -0.36  | -0.44  | -0.70  | -0.64  | -0.56  | -0.50  | -0.39  | -0.50  | -0.75  | -1.56  | -1.58  | -1.74  | -1.45  | -1.13  | -1.13  | -0.75  |
|        | 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   |
| HUD VL | 49.69  | 45.78  | 35.80  | 34.27  | 34.31  | 37.34  | 31.92  | 41.37  | 51.35  | 64.28  | 65.43  | 65.52  | 62.69  | 55.69  | 54.97  | 55.11  | 58.66  | 77.97  | 83.31  | 79.33  | 71.69  | 60.34  | 60.20  | 58.79  |
| 61758  | 1.95   | 1.45   | 1.04   | 0.96   | 0.96   | 1.12   | 0.78   | 1.62   | 2.28   | 2.78   | 3.13   | 3.04   | 2.77   | 2.50   | 2.33   | 2.41   | 2.93   | 4.55   | 5.00   | 4.75   | 4.01   | 3.25   | 3.18   | 3.05   |
|        | 2.51   | 2.18   | 2.63   | 2.59   | 2.55   | 2.25   | 3.65   | 3.38   | 2.87   | 1.66   | 1.56   | 1.57   | 1.80   | 2.47   | 2.53   | 2.52   | 2.18   | 0.94   | 0.75   | 0.94   | 1.55   | 2.46   | 2.35   | 2.17   |
| LONGIL | 64.21  | 61.43  | 58.42  | 56.57  | 56.31  | 57.12  | 62.45  | 71.28  | 77.67  | 80.47  | 83.06  | 80.78  | 79.82  | 78.53  | 78.24  | 78.38  | 78.66  | 109.31 | 119.26 | 119.29 | 104.36 | 83.23  | 81.31  | 77.31  |
| 61762  | 1.43   | 1.06   | 0.73   | 0.71   | 0.77   | 1.29   | 0.48   | 2.10   | 3.88   | 4.49   | 5.26   | 4.61   | 4.21   | 3.86   | 3.57   | 3.74   | 3.92   | 7.35   | 8.03   | 7.60   | 6.22   | 4.74   | 3.82   | 2.68   |
|        | -12.53 | -13.86 | -20.30 | -19.96 | -19.64 | -17.36 | -27.18 | -26.05 | -21.85 | -12.82 | -13.94 | -12.12 | -13.89 | -19.01 | -19.50 | -19.42 | -16.83 | -27.60 | -32.17 | -36.17 | -28.91 | -18.94 | -18.12 | -16.72 |
| MHK VL | 50.83  | 47.04  | 37.83  | 36.32  | 36.31  | 38.96  | 35.34  | 43.70  | 52.69  | 64.11  | 64.87  | 65.07  | 62.65  | 56.47  | 55.85  | 55.94  | 58.75  | 75.62  | 80.55  | 76.84  | 70.39  | 60.52  | 60.04  | 58.54  |
| 61756  | 0.58   | 0.53   | 0.44   | 0.42   | 0.41   | 0.49   | 0.55   | 0.57   | 0.75   | 0.95   | 1.01   | 1.02   | 0.93   | 0.81   | 0.68   | 0.72   | 0.84   | 1.26   | 1.49   | 1.32   | 1.16   | 0.97   | 0.67   | 0.63   |
|        | 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 | 43.97  | 40.92  | 29.94  | 28.52  | 28.66  | 32.34  | 23.74  | 33.83  | 45.10  | 60.60  | 62.05  | 62.07  | 58.77  | 50.28  | 49.39  | 49.59  | 53.83  | 76.09  | 81.82  | 77.41  | 68.32  | 54.97  | 54.82  | 53.65  |
| 61759  | 1.83   | 1.46   | 1.06   | 0.99   | 0.99   | 1.15   | 0.75   | 1.62   | 2.31   | 2.81   | 3.22   | 3.10   | 2.87   | 2.59   | 2.40   | 2.51   | 2.98   | 4.72   | 5.17   | 4.94   | 4.12   | 3.36   | 3.05   | 2.75   |
|        | 8.11   | 7.05   | 8.51   | 8.37   | 8.23   | 7.28   | 11.80  | 10.92  | 9.15   | 5.37   | 5.03   | 5.08   | 5.82   | 7.97   | 8.18   | 8.14   | 7.06   | 2.99   | 2.41   | 3.05   | 5.03   | 7.94   | 7.60   | 7.01   |
| N.Y.C. | 79.36  | 71.77  | 66.67  | 64.64  | 64.20  | 63.93  | 74.22  | 80.83  | 84.67  | 84.44  | 84.49  | 84.78  | 84.54  | 84.82  | 84.85  | 84.83  | 84.68  | 90.41  | 93.87  | 92.03  | 90.99  | 89.51  | 88.01  | 84.43  |
| 61761  | 3.13   | 2.70   | 2.03   | 1.94   | 1.93   | 2.16   | 1.65   | 2.72   | 3.55   | 4.27   | 4.72   | 4.66   | 4.38   | 3.93   | 3.78   | 3.85   | 4.42   | 6.54   | 7.09   | 6.75   | 5.84   | 4.83   | 4.60   | 4.29   |
|        | -25.98 | -22.56 | -27.25 | -26.80 | -26.37 | -23.30 | -37.78 | -34.98 | -29.18 | -17.01 | -15.91 | -16.07 | -18.44 | -25.23 | -25.90 | -25.76 | -22.35 | -9.51  | -7.72  | -9.76  | -15.92 | -25.13 | -24.04 | -22.23 |
| NORTH  | 49.60  | 46.01  | 37.09  | 35.65  | 35.63  | 38.11  | 35.16  | 42.58  | 51.49  | 62.68  | 63.05  | 63.34  | 61.09  | 55.09  | 54.74  | 54.68  | 57.01  | 72.10  | 77.03  | 73.08  | 67.33  | 57.97  | 57.75  | 56.79  |
| 61755  | -0.65  | -0.50  | -0.30  | -0.25  | -0.27  | -0.36  | 0.37   | -0.55  | -0.45  | -0.48  | -0.81  | -0.71  | -0.63  | -0.57  | -0.43  | -0.54  | -0.90  | -2.26  | -2.03  | -2.44  | -1.90  | -1.58  | -1.62  | -1.12  |
|        | 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    | 52.16  | 48.14  | 38.59  | 37.05  | 37.05  | 39.78  | 35.69  | 44.90  | 54.33  | 66.13  | 67.12  | 67.25  | 64.74  | 58.33  | 57.71  | 57.87  | 60.98  | 79.04  | 84.12  | 80.35  | 73.38  | 62.94  | 62.46  | 60.57  |
| 61845  | 1.91   | 1.63   | 1.20   | 1.15   | 1.15   | 1.31   | 0.90   | 1.77   | 2.39   | 2.97   | 3.26   | 3.20   | 3.02   | 2.67   | 2.54   | 2.65   | 3.07   | 4.68   | 5.06   | 4.83   | 4.15   | 3.39   | 3.09   | 2.66   |
|        | 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<br>61846    | 46.63<br><span>-3.62</span><br><span>0.00</span> | 43.44<br><span>-3.07</span><br><span>0.00</span>  | 34.74<br><span>-2.65</span><br><span>0.00</span> | 33.32<br><span>-2.58</span><br><span>0.00</span> | 33.35<br><span>-2.55</span><br><span>0.00</span> | 35.93<br><span>-2.54</span><br><span>0.00</span> | 32.08<br><span>-2.71</span><br><span>0.00</span> | 40.11<br><span>-3.02</span><br><span>0.00</span> | 45.60<br><span>-6.34</span><br><span>0.00</span> | 55.01<br><span>-8.15</span><br><span>0.00</span> | 55.81<br><span>-8.05</span><br><span>0.00</span> | 55.98<br><span>-8.07</span><br><span>0.00</span> | 54.01<br><span>-7.71</span><br><span>0.00</span>  | 48.87<br><span>-6.79</span><br><span>0.00</span> | 48.33<br><span>-6.84</span><br><span>0.00</span>  | 48.54<br><span>-6.68</span><br><span>0.00</span>  | 51.13<br><span>-6.78</span><br><span>0.00</span>  | 65.96<br><span>-8.40</span><br><span>0.00</span> | 69.18<br><span>-9.88</span><br><span>0.00</span> | 67.51<br><span>-8.01</span><br><span>0.00</span> | 61.61<br><span>-7.62</span><br><span>0.00</span> | 53.42<br><span>-6.13</span><br><span>0.00</span> | 55.39<br><span>-3.98</span><br><span>0.00</span>  | 52.76<br><span>-5.15</span><br><span>0.00</span>  |
| PJM<br>61847  | 34.99<br><span>-5.28</span><br><span>9.98</span> | 29.99<br><span>-4.47</span><br><span>12.05</span> | 30.00<br><span>-3.74</span><br><span>3.65</span> | 30.00<br><span>-3.59</span><br><span>2.31</span> | 30.00<br><span>-3.59</span><br><span>2.31</span> | 30.00<br><span>-3.65</span><br><span>4.82</span> | 30.00<br><span>-3.48</span><br><span>1.31</span> | 39.64<br><span>-3.49</span><br><span>0.00</span> | 46.43<br><span>-5.51</span><br><span>0.00</span> | 55.00<br><span>-7.64</span><br><span>0.52</span> | 54.99<br><span>-7.54</span><br><span>1.33</span> | 55.00<br><span>-7.56</span><br><span>1.49</span> | 40.00<br><span>-7.16</span><br><span>14.56</span> | 40.00<br><span>-6.57</span><br><span>9.09</span> | 34.99<br><span>-6.57</span><br><span>13.61</span> | 30.98<br><span>-6.24</span><br><span>18.00</span> | 33.37<br><span>-6.54</span><br><span>18.00</span> | 59.99<br><span>-7.81</span><br><span>6.56</span> | 71.79<br><span>-7.27</span><br><span>0.00</span> | 65.00<br><span>-7.17</span><br><span>3.35</span> | 55.00<br><span>-7.13</span><br><span>7.10</span> | 45.01<br><span>-6.01</span><br><span>8.53</span> | 35.01<br><span>-5.28</span><br><span>19.08</span> | 38.00<br><span>-6.02</span><br><span>13.89</span> |
| WEST<br>61752 | 46.71<br><span>-3.54</span><br><span>0.00</span> | 43.56<br><span>-2.95</span><br><span>0.00</span>  | 34.83<br><span>-2.56</span><br><span>0.00</span> | 33.41<br><span>-2.49</span><br><span>0.00</span> | 33.44<br><span>-2.46</span><br><span>0.00</span> | 36.03<br><span>-2.44</span><br><span>0.00</span> | 32.22<br><span>-2.57</span><br><span>0.00</span> | 40.35<br><span>-2.78</span><br><span>0.00</span> | 46.02<br><span>-5.92</span><br><span>0.00</span> | 55.42<br><span>-7.74</span><br><span>0.00</span> | 56.22<br><span>-7.64</span><br><span>0.00</span> | 56.42<br><span>-7.63</span><br><span>0.00</span> | 54.45<br><span>-7.27</span><br><span>0.00</span>  | 49.24<br><span>-6.42</span><br><span>0.00</span> | 48.70<br><span>-6.47</span><br><span>0.00</span>  | 48.97<br><span>-6.25</span><br><span>0.00</span>  | 51.54<br><span>-6.37</span><br><span>0.00</span>  | 66.57<br><span>-7.79</span><br><span>0.00</span> | 70.18<br><span>-8.88</span><br><span>0.00</span> | 68.20<br><span>-7.32</span><br><span>0.00</span> | 62.20<br><span>-7.03</span><br><span>0.00</span> | 53.90<br><span>-5.65</span><br><span>0.00</span> | 55.61<br><span>-3.76</span><br><span>0.00</span>  | 52.95<br><span>-4.96</span><br><span>0.00</span>  |