

## Day Ahead Market Zonal LBMP

--- LBMP \$

### --- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

12/19/1999

| 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 | 21.22 | 15.87  | 15.67  | 15.87  | 15.87  | 15.18  | 15.18  | 15.67  | 14.59  | 14.59  | 18.44  | 18.44  | 18.44  | 18.44  | 18.44  | 18.22  | 22.81 | 30.37 | 30.12 | 29.31 | 25.18 | 21.22  | 22.68 | 20.19 |
| 61757  | 0.79  | 0.59   | 0.58   | 0.59   | 0.59   | 0.56   | 0.56   | 0.58   | 0.54   | 0.54   | 0.68   | 0.68   | 0.68   | 0.68   | 0.68   | 0.68   | 0.85  | 1.13  | 1.12  | 1.09  | 0.94  | 0.79   | 0.84  | 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  |
| CENTRL | 20.01 | 14.97  | 14.79  | 14.97  | 14.97  | 14.33  | 14.33  | 14.79  | 13.77  | 13.77  | 17.40  | 17.40  | 17.40  | 17.40  | 17.40  | 17.18  | 21.51 | 28.64 | 28.40 | 27.64 | 23.74 | 20.01  | 21.39 | 19.04 |
| 61754  | -0.42 | -0.31  | -0.30  | -0.31  | -0.31  | -0.29  | -0.29  | -0.30  | -0.28  | -0.28  | -0.36  | -0.36  | -0.36  | -0.36  | -0.36  | -0.36  | -0.45 | -0.60 | -0.60 | -0.58 | -0.50 | -0.42  | -0.45 | -0.40 |
|        | 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 | 22.05 | 16.49  | 16.29  | 16.49  | 16.49  | 15.78  | 15.78  | 16.29  | 15.17  | 15.17  | 15.07  | 14.84  | 14.84  | 14.84  | 14.83  | 14.49  | 21.24 | 31.56 | 31.30 | 30.46 | 24.72 | 18.89  | 21.30 | 17.63 |
| 61760  | 1.62  | 1.21   | 1.20   | 1.21   | 1.21   | 1.16   | 1.16   | 1.20   | 1.12   | 1.12   | 1.41   | 1.41   | 1.41   | 1.41   | 1.41   | 1.39   | 1.74  | 2.32  | 2.30  | 2.24  | 1.93  | 1.62   | 1.73  | 1.54  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 4.10   | 4.33   | 4.33   | 4.33   | 4.34   | 4.44   | 2.46  | 0.00  | 0.00  | 0.00  | 1.45  | 3.16   | 2.27  | 3.35  |
| GENESE | 19.79 | 14.81  | 14.62  | 14.81  | 14.81  | 14.17  | 14.17  | 14.62  | 13.62  | 13.62  | 17.21  | 17.21  | 17.21  | 17.21  | 17.21  | 17.00  | 21.27 | 28.32 | 28.09 | 27.33 | 23.48 | 19.79  | 21.16 | 18.83 |
| 61753  | -0.64 | -0.47  | -0.47  | -0.47  | -0.47  | -0.45  | -0.45  | -0.47  | -0.43  | -0.43  | -0.55  | -0.55  | -0.55  | -0.55  | -0.55  | -0.54  | -0.69 | -0.92 | -0.91 | -0.89 | -0.76 | -0.64  | -0.68 | -0.61 |
|        | 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    | 20.15 | 15.07  | 14.89  | 15.07  | 15.07  | 14.42  | 14.42  | 14.89  | 13.86  | 13.86  | 17.52  | 17.52  | 17.52  | 17.52  | 17.52  | 17.30  | 21.66 | 28.84 | 28.60 | 27.83 | 23.91 | 20.15  | 21.54 | 19.17 |
| 61844  | -0.28 | -0.21  | -0.20  | -0.21  | -0.21  | -0.20  | -0.20  | -0.20  | -0.19  | -0.19  | -0.24  | -0.24  | -0.24  | -0.24  | -0.24  | -0.24  | -0.30 | -0.40 | -0.40 | -0.39 | -0.33 | -0.28  | -0.30 | -0.27 |
|        | 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 | 21.68 | 16.22  | 16.02  | 16.22  | 16.22  | 15.52  | 15.52  | 16.02  | 14.91  | 14.91  | 17.69  | 17.62  | 17.62  | 17.62  | 17.62  | 17.36  | 22.61 | 31.03 | 30.78 | 29.95 | 25.32 | 20.79  | 22.53 | 19.68 |
| 61758  | 1.25  | 0.94   | 0.93   | 0.94   | 0.94   | 0.90   | 0.90   | 0.93   | 0.86   | 0.86   | 1.09   | 1.09   | 1.09   | 1.09   | 1.09   | 1.08   | 1.35  | 1.79  | 1.78  | 1.73  | 1.49  | 1.25   | 1.34  | 1.19  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 1.16   | 1.23   | 1.23   | 1.23   | 1.23   | 1.26   | 0.70  | 0.00  | 0.00  | 0.00  | 0.41  | 0.89   | 0.65  | 0.95  |
| LONGIL | 30.39 | 29.65  | 28.60  | 28.19  | 28.15  | 28.57  | 29.29  | 29.62  | 30.28  | 30.41  | 30.83  | 30.83  | 30.69  | 30.42  | 30.37  | 30.47  | 31.22 | 34.28 | 34.28 | 34.27 | 34.19 | 32.77  | 31.16 | 30.39 |
| 61762  | 2.10  | 1.57   | 1.55   | 1.57   | 1.57   | 1.50   | 1.50   | 1.55   | 1.44   | 1.44   | 1.82   | 1.82   | 1.82   | 1.82   | 1.82   | 1.80   | 2.26  | 3.00  | 2.98  | 2.90  | 2.49  | 2.10   | 2.24  | 2.00  |
|        | -7.86 | -12.80 | -11.96 | -11.34 | -11.30 | -12.45 | -13.17 | -12.98 | -14.79 | -14.92 | -11.25 | -11.25 | -11.11 | -10.84 | -10.79 | -11.13 | -7.00 | -2.04 | -2.30 | -3.15 | -7.46 | -10.24 | -7.08 | -8.95 |
| MHK VL | 20.61 | 15.42  | 15.23  | 15.42  | 15.42  | 14.75  | 14.75  | 15.23  | 14.18  | 14.18  | 17.92  | 17.92  | 17.92  | 17.92  | 17.92  | 17.70  | 22.15 | 29.49 | 29.25 | 28.47 | 24.45 | 20.61  | 22.03 | 19.61 |
| 61756  | 0.18  | 0.14   | 0.14   | 0.14   | 0.14   | 0.13   | 0.13   | 0.14   | 0.13   | 0.13   | 0.16   | 0.16   | 0.16   | 0.16   | 0.16   | 0.16   | 0.19  | 0.25  | 0.25  | 0.25  | 0.21  | 0.18   | 0.19  | 0.17  |
|        | 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 | 21.74 | 16.25  | 16.05  | 16.25  | 16.25  | 15.55  | 15.55  | 16.05  | 14.95  | 14.95  | 15.53  | 15.34  | 15.34  | 15.34  | 15.33  | 15.01  | 21.35 | 31.11 | 30.86 | 30.03 | 24.60 | 19.14  | 21.37 | 17.93 |
| 61759  | 1.31  | 0.97   | 0.96   | 0.97   | 0.97   | 0.93   | 0.93   | 0.96   | 0.90   | 0.90   | 1.14   | 1.14   | 1.14   | 1.14   | 1.14   | 1.12   | 1.41  | 1.87  | 1.86  | 1.81  | 1.55  | 1.31   | 1.40  | 1.25  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 3.37   | 3.56   | 3.56   | 3.56   | 3.57   | 3.65   | 2.02  | 0.00  | 0.00  | 0.00  | 1.19  | 2.60   | 1.87  | 2.76  |
| N.Y.C. | 22.45 | 16.79  | 16.58  | 16.79  | 16.79  | 16.07  | 16.07  | 16.58  | 15.44  | 15.44  | 29.47  | 30.02  | 30.02  | 30.02  | 30.03  | 30.04  | 30.09 | 32.13 | 31.87 | 31.01 | 31.21 | 31.17  | 30.96 | 30.05 |
| 61761  | 2.02  | 1.51   | 1.49   | 1.51   | 1.51   | 1.45   | 1.45   | 1.49   | 1.39   | 1.39   | 1.76   | 1.76   | 1.76   | 1.76   | 1.76   | 1.74   | 2.17  | 2.89  | 2.87  | 2.79  | 2.40  | 2.02   | 2.16  | 1.92  |
|        | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -9.95  | -10.50 | -10.50 | -10.50 | -10.51 | -10.76 | -5.96 | 0.00  | 0.00  | 0.00  | -4.57 | -8.72  | -6.96 | -8.69 |
| NORTH  | 20.15 | 15.07  | 14.89  | 15.07  | 15.07  | 14.42  | 14.42  | 14.89  | 13.86  | 13.86  | 17.52  | 17.52  | 17.52  | 17.52  | 17.52  | 17.30  | 21.66 | 28.83 | 28.59 | 27.82 | 23.90 | 20.15  | 21.54 | 19.17 |
| 61755  | -0.28 | -0.21  | -0.20  | -0.21  | -0.21  | -0.20  | -0.20  | -0.20  | -0.19  | -0.19  | -0.24  | -0.24  | -0.24  | -0.24  | -0.24  | -0.24  | -0.30 | -0.41 | -0.41 | -0.40 | -0.34 | -0.28  | -0.30 | -0.27 |
|        | 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    | 20.98 | 15.69  | 15.49  | 15.69  | 15.69  | 15.01  | 15.01  | 15.49  | 14.43  | 14.43  | 18.23  | 18.23  | 18.23  | 18.23  | 18.23  | 18.01  | 22.55 | 30.02 | 29.78 | 28.97 | 24.89 | 20.98  | 22.42 | 19.96 |
| 61845  | 0.55  | 0.41   | 0.40   | 0.41   | 0.41   | 0.39   | 0.39   | 0.40   | 0.38   | 0.38   | 0.47   | 0.47   | 0.47   | 0.47   | 0.47   | 0.47   | 0.59  | 0.78  | 0.78  | 0.75  | 0.65  | 0.55   | 0.58  | 0.52  |
|        | 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  |

|               |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|---------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| H<br>61846    | 19.37<br><del>-1.06</del><br>0.00 | 14.49<br><del>-0.79</del><br>0.00 | 14.31<br><del>-0.78</del><br>0.00 | 14.49<br><del>-0.79</del><br>0.00 | 14.49<br><del>-0.79</del><br>0.00 | 13.87<br><del>-0.75</del><br>0.00 | 13.87<br><del>-0.75</del><br>0.00 | 14.31<br><del>-0.78</del><br>0.00 | 13.32<br><del>-0.73</del><br>0.00 | 13.32<br><del>-0.73</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.63<br><del>-0.91</del><br>0.00 | 20.82<br><del>-1.14</del><br>0.00 | 27.72<br><del>-1.52</del><br>0.00 | 27.49<br><del>-1.51</del><br>0.00 | 26.75<br><del>-1.47</del><br>0.00 | 22.98<br><del>-1.26</del><br>0.00 | 19.37<br><del>-1.06</del><br>0.00 | 20.71<br><del>-1.13</del><br>0.00 | 18.43<br><del>-1.01</del><br>0.00 |
| PJM<br>61847  | 19.70<br><del>-0.73</del><br>0.00 | 14.73<br><del>-0.55</del><br>0.00 | 14.55<br><del>-0.54</del><br>0.00 | 14.73<br><del>-0.55</del><br>0.00 | 14.73<br><del>-0.55</del><br>0.00 | 14.10<br><del>-0.52</del><br>0.00 | 14.10<br><del>-0.52</del><br>0.00 | 14.55<br><del>-0.54</del><br>0.00 | 13.55<br><del>-0.50</del><br>0.00 | 13.55<br><del>-0.50</del><br>0.00 | 17.12<br><del>-0.64</del><br>0.00 | 17.12<br><del>-0.64</del><br>0.00 | 17.12<br><del>-0.64</del><br>0.00 | 17.12<br><del>-0.64</del><br>0.00 | 17.12<br><del>-0.64</del><br>0.00 | 16.91<br><del>-0.63</del><br>0.00 | 21.17<br><del>-0.79</del><br>0.00 | 28.19<br><del>-1.05</del><br>0.00 | 27.95<br><del>-1.05</del><br>0.00 | 27.20<br><del>-1.02</del><br>0.00 | 23.37<br><del>-0.87</del><br>0.00 | 19.70<br><del>-0.73</del><br>0.00 | 21.06<br><del>-0.78</del><br>0.00 | 18.74<br><del>-0.70</del><br>0.00 |
| WEST<br>61752 | 19.37<br><del>-1.06</del><br>0.00 | 14.50<br><del>-0.78</del><br>0.00 | 14.32<br><del>-0.77</del><br>0.00 | 14.50<br><del>-0.78</del><br>0.00 | 14.50<br><del>-0.78</del><br>0.00 | 13.87<br><del>-0.75</del><br>0.00 | 13.87<br><del>-0.75</del><br>0.00 | 14.32<br><del>-0.77</del><br>0.00 | 13.33<br><del>-0.72</del><br>0.00 | 13.33<br><del>-0.72</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.84<br><del>-0.92</del><br>0.00 | 16.64<br><del>-0.90</del><br>0.00 | 20.82<br><del>-1.14</del><br>0.00 | 27.72<br><del>-1.52</del><br>0.00 | 27.49<br><del>-1.51</del><br>0.00 | 26.75<br><del>-1.47</del><br>0.00 | 22.98<br><del>-1.26</del><br>0.00 | 19.37<br><del>-1.06</del><br>0.00 | 20.71<br><del>-1.13</del><br>0.00 | 18.44<br><del>-1.00</del><br>0.00 |