

# Day Ahead Market Zonal LBMP

| Zonal Data |       | --- LBMP \$ |       |       |       |       |       |       |       |       |       | --- Marginal Cost of Losses |       |       |       |       |       |       |       |        |        | --- Marginal Cost of Congestion |       |       |       |  |  |  |  |  |  | 03/23/2002 |  |
|------------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------------------------------|-------|-------|-------|--|--|--|--|--|--|------------|--|
| 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     | 61757 | 35.41       | 31.27 | 29.56 | 28.09 | 26.53 | 28.61 | 28.34 | 33.82 | 34.93 | 36.62 | 37.02                       | 35.19 | 35.37 | 34.80 | 33.80 | 33.38 | 33.62 | 38.02 | 43.84  | 43.45  | 39.40                           | 35.67 | 35.35 | 34.11 |  |  |  |  |  |  |            |  |
|            |       | 1.16        | 1.12  | 0.91  | 0.94  | 0.96  | 1.03  | 1.31  | 1.56  | 1.74  | 1.90  | 1.97                        | 1.93  | 1.91  | 1.86  | 1.85  | 1.78  | 1.71  | 1.89  | 2.29   | 2.39   | 2.16                            | 2.00  | 1.85  | 1.46  |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                        | 0.00  | -0.27 | -0.22 | 0.00  | 0.00  | 0.00  | 0.00  | -0.54  | 0.00   | 0.00                            | -0.24 | 0.00  | -0.52 |  |  |  |  |  |  |            |  |
| CENTRL     | 61754 | 34.27       | 29.87 | 28.40 | 26.84 | 25.26 | 27.31 | 26.49 | 31.57 | 32.52 | 34.03 | 34.33                       | 32.55 | 32.46 | 31.91 | 31.13 | 30.75 | 31.07 | 35.19 | 40.16  | 40.22  | 36.45                           | 32.92 | 33.03 | 31.59 |  |  |  |  |  |  |            |  |
|            |       | 0.02        | -0.28 | -0.25 | -0.31 | -0.31 | -0.27 | -0.54 | -0.69 | -0.67 | -0.69 | -0.72                       | -0.71 | -0.76 | -0.83 | -0.82 | -0.85 | -0.84 | -0.94 | -0.90  | -0.84  | -0.79                           | -0.53 | -0.47 | -0.59 |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                        | 0.00  | -0.03 | -0.02 | 0.00  | 0.00  | 0.00  | 0.00  | -0.05  | 0.00   | 0.00                            | -0.02 | 0.00  | -0.05 |  |  |  |  |  |  |            |  |
| DUNWOD     | 61760 | 36.30       | 32.23 | 30.57 | 29.10 | 23.30 | 26.40 | 25.72 | 33.86 | 33.98 | 35.87 | 35.81                       | 33.11 | 34.43 | 33.76 | 32.60 | 32.44 | 32.33 | 38.34 | 44.88  | 44.43  | 40.37                           | 36.60 | 36.38 | 34.82 |  |  |  |  |  |  |            |  |
|            |       | 2.05        | 2.08  | 1.92  | 1.95  | 1.71  | 1.85  | 1.95  | 2.35  | 2.69  | 2.85  | 2.87                        | 2.76  | 2.82  | 2.78  | 2.72  | 2.69  | 2.74  | 2.96  | 3.45   | 3.37   | 3.13                            | 2.98  | 2.88  | 2.57  |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | 3.98  | 3.03  | 3.26  | 0.75  | 1.90  | 1.70  | 2.11                        | 2.91  | 1.58  | 1.74  | 2.07  | 1.85  | 2.32  | 0.75  | -0.42  | 0.00   | 0.00                            | -0.19 | 0.00  | -0.12 |  |  |  |  |  |  |            |  |
| GENESE     | 61753 | 34.70       | 29.93 | 28.45 | 26.71 | 25.16 | 27.33 | 26.09 | 31.24 | 32.18 | 33.71 | 34.02                       | 32.25 | 32.15 | 31.55 | 30.74 | 30.33 | 30.66 | 34.78 | 39.78  | 39.93  | 36.20                           | 33.06 | 33.31 | 31.51 |  |  |  |  |  |  |            |  |
|            |       | 0.45        | -0.22 | -0.20 | -0.44 | -0.41 | -0.25 | -0.94 | -1.02 | -1.01 | -1.01 | -1.03                       | -1.01 | -1.07 | -1.19 | -1.21 | -1.27 | -1.25 | -1.35 | -1.28  | -1.13  | -1.04                           | -0.39 | -0.19 | -0.67 |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                        | 0.00  | -0.03 | -0.02 | 0.00  | 0.00  | 0.00  | 0.00  | -0.05  | 0.00   | 0.00                            | -0.02 | 0.00  | -0.05 |  |  |  |  |  |  |            |  |
| H Q        | 61844 | 32.77       | 29.43 | 27.96 | 26.47 | 24.98 | 26.95 | 26.49 | 31.61 | 32.43 | 33.92 | 34.24                       | 32.50 | 32.43 | 32.03 | 31.25 | 30.94 | 31.24 | 35.41 | 40.03  | 40.07  | 36.35                           | 32.43 | 32.46 | 30.94 |  |  |  |  |  |  |            |  |
|            |       | -0.92       | -0.72 | -0.69 | -0.68 | -0.59 | -0.63 | -0.54 | -0.65 | -0.76 | -0.80 | -0.81                       | -0.76 | -0.76 | -0.69 | -0.70 | -0.66 | -0.67 | -0.72 | -0.98  | -0.99  | -0.89                           | -1.00 | -1.04 | -0.84 |  |  |  |  |  |  |            |  |
|            |       | 0.56        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00                            | 0.00  | 0.00  | 0.35  |  |  |  |  |  |  |            |  |
| HUD VL     | 61758 | 36.09       | 31.94 | 30.32 | 28.84 | 26.02 | 28.40 | 27.89 | 34.16 | 35.11 | 36.84 | 37.06                       | 34.98 | 35.43 | 34.88 | 33.88 | 33.57 | 33.76 | 38.59 | 44.52  | 44.07  | 40.01                           | 36.26 | 36.12 | 34.89 |  |  |  |  |  |  |            |  |
|            |       | 1.84        | 1.79  | 1.67  | 1.69  | 1.50  | 1.62  | 1.72  | 2.10  | 2.42  | 2.57  | 2.57                        | 2.49  | 2.51  | 2.50  | 2.48  | 2.46  | 2.46  | 2.66  | 3.10   | 3.01   | 2.77                            | 2.64  | 2.62  | 2.44  |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | 1.05  | 0.80  | 0.86  | 0.20  | 0.50  | 0.45  | 0.56                        | 0.77  | 0.27  | 0.34  | 0.55  | 0.49  | 0.61  | 0.20  | -0.41  | 0.00   | 0.00                            | -0.19 | 0.00  | -0.32 |  |  |  |  |  |  |            |  |
| LONGIL     | 61762 | 36.30       | 32.71 | 31.15 | 29.85 | 32.91 | 33.74 | 33.79 | 35.94 | 38.77 | 40.38 | 41.27                       | 40.39 | 39.03 | 38.54 | 37.73 | 37.08 | 38.08 | 41.32 | 66.63  | 61.66  | 44.68                           | 38.40 | 36.93 | 35.77 |  |  |  |  |  |  |            |  |
|            |       | 2.05        | 2.56  | 2.50  | 2.52  | 2.07  | 2.14  | 2.44  | 2.68  | 3.06  | 3.40  | 3.43                        | 3.28  | 3.34  | 3.20  | 3.12  | 3.10  | 3.19  | 3.66  | 4.23   | 4.13   | 3.81                            | 3.62  | 3.43  | 2.86  |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | -0.18 | -5.27 | -4.02 | -4.32 | -1.00 | -2.52 | -2.26 | -2.79                       | -3.85 | -2.50 | -2.62 | -2.66 | -2.38 | -2.98 | -1.53 | -21.39 | -16.47 | -3.63                           | -1.35 | 0.00  | -0.78 |  |  |  |  |  |  |            |  |
| MHK VL     | 61756 | 34.24       | 29.97 | 28.48 | 26.97 | 25.40 | 27.34 | 26.77 | 32.02 | 32.85 | 34.34 | 34.66                       | 32.88 | 32.79 | 32.29 | 31.51 | 31.14 | 31.47 | 35.80 | 40.76  | 40.82  | 37.00                           | 33.17 | 33.16 | 32.00 |  |  |  |  |  |  |            |  |
|            |       | -0.01       | -0.18 | -0.17 | -0.18 | -0.17 | -0.24 | -0.26 | -0.24 | -0.34 | -0.38 | -0.39                       | -0.38 | -0.41 | -0.44 | -0.44 | -0.46 | -0.44 | -0.33 | -0.26  | -0.24  | -0.24                           | -0.27 | -0.34 | -0.14 |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00                        | 0.00  | -0.01 | -0.01 | 0.00  | 0.00  | 0.00  | 0.00  | -0.01  | 0.00   | 0.00                            | -0.01 | 0.00  | -0.01 |  |  |  |  |  |  |            |  |
| MILLWD     | 61759 | 35.92       | 31.87 | 30.25 | 28.78 | 23.60 | 26.53 | 25.88 | 33.60 | 33.88 | 35.72 | 35.68                       | 33.12 | 34.28 | 33.64 | 32.55 | 32.36 | 32.29 | 38.01 | 44.35  | 43.91  | 39.90                           | 36.18 | 35.99 | 34.48 |  |  |  |  |  |  |            |  |
|            |       | 1.67        | 1.72  | 1.60  | 1.63  | 1.42  | 1.53  | 1.63  | 1.98  | 2.31  | 2.45  | 2.43                        | 2.34  | 2.40  | 2.37  | 2.35  | 2.32  | 2.34  | 2.51  | 2.93   | 2.85   | 2.66                            | 2.56  | 2.49  | 2.20  |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | 3.39  | 2.58  | 2.78  | 0.64  | 1.62  | 1.45  | 1.80                        | 2.48  | 1.31  | 1.45  | 1.75  | 1.56  | 1.96  | 0.63  | -0.41  | 0.00   | 0.00                            | -0.19 | 0.00  | -0.15 |  |  |  |  |  |  |            |  |
| N.Y.C.     | 61761 | 36.71       | 32.60 | 30.94 | 29.43 | 36.89 | 36.86 | 36.89 | 36.75 | 41.43 | 42.30 | 43.19                       | 43.16 | 41.74 | 41.58 | 41.16 | 40.59 | 41.53 | 42.03 | 45.39  | 44.90  | 41.69                           | 39.26 | 39.02 | 36.21 |  |  |  |  |  |  |            |  |
|            |       | 2.46        | 2.45  | 2.29  | 2.28  | 2.04  | 2.20  | 2.25  | 2.74  | 3.03  | 3.22  | 3.22                        | 3.11  | 3.21  | 3.17  | 3.11  | 3.08  | 3.12  | 3.39  | 3.96   | 3.84   | 3.53                            | 3.36  | 3.28  | 2.98  |  |  |  |  |  |  |            |  |
|            |       | 0.00        | 0.00  | 0.00  | 0.00  | -9.28 | -7.08 | -7.61 | -1.75 | -5.21 | -4.36 | -4.92                       | -6.79 | -5.34 | -5.69 | -6.10 | -5.91 | -6.50 | -2.51 | -0.42  | 0.00   | -0.92                           | -2.47 | -2.24 | -1.10 |  |  |  |  |  |  |            |  |
| NORTH      | 61755 | 32.86       | 29.05 | 27.61 | 26.14 | 24.67 | 26.58 | 26.15 | 31.22 | 32.02 | 33.46 | 33.81                       | 32.07 | 32.01 | 31.60 | 30.84 | 30.50 | 30.80 | 34.89 | 39.44  | 39.50  | 35.82                           | 31.77 | 31.80 | 30.83 |  |  |  |  |  |  |            |  |
|            |       | -1.39       | -1.10 | -1.04 | -1.01 | -0.90 | -1.00 | -0.88 | -1.04 | -1.17 | -1.26 | -1.24                       | -1.19 | -1.17 | -1.12 | -1.11 | -1.10 | -1.11 | -1.24 | -1.56  | -1.56  | -1.42                           | -1.65 | -1.70 | -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  | 0.01  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01   | 0.00   | 0.00                            | 0.01  | 0.00  | 0.01  |  |  |  |  |  |  |            |  |
| NPX        | 61845 | 35.06       | 31.51 | 29.88 | 28.43 | 26.97 | 29.02 | 28.59 | 34.04 | 35.25 | 36.89 | 37.27                       | 35.45 | 35.59 | 35.05 | 34.04 | 33.66 | 33.98 | 38.30 | 44.01  | 43.56  | 39.55                           | 35.80 | 35.58 | 34.05 |  |  |  |  |  |  |            |  |
|            |       | 1.37        | 1.36  | 1.23  | 1.28  | 1.18  | 1.27  | 1.38  | 1.74  | 1.96  | 2.08  | 2.10                        | 2.03  | 2.06  | 2.03  | 1.98  | 1.96  | 1.95  | 2.13  | 2.50   | 2.50   | 2.31                            | 2.14  | 2.08  | 1.77  |  |  |  |  |  |  |            |  |
|            |       | 0.56        | 0.00  | 0.00  | 0.00  | -0.22 | -0.17 | -0.18 | -0.04 | -0.10 | -0.09 | -0.12                       | -0.16 | -0.34 | -0.30 | -0.11 | -0.10 | -0.12 | -0.04 | -0.50  | 0.00   | 0.00                            | -0.23 | 0.00  | -0.15 |  |  |  |  |  |  |            |  |

|               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                         |                         |                        |                        |                        |                        |                         |                        |                        |                         |                        |                         |
|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|
| OH<br>61846   | 33.42<br>-0.27<br>0.56 | 29.06<br>-1.09<br>0.00 | 27.65<br>-1.00<br>0.00 | 25.82<br>-1.33<br>0.00 | 24.29<br>-1.28<br>0.00 | 26.53<br>-1.05<br>0.00 | 24.73<br>-2.30<br>0.00 | 29.52<br>-2.74<br>0.00 | 30.14<br>-3.05<br>0.00 | 31.46<br>-3.26<br>0.00 | 31.65<br>-3.40<br>0.00 | 30.07<br>-3.19<br>0.00 | 30.00<br>-3.22<br>-0.03 | 29.47<br>-3.27<br>-0.02 | 28.69<br>-3.26<br>0.00 | 28.34<br>-3.26<br>0.00 | 28.66<br>-3.25<br>0.00 | 32.44<br>-3.69<br>0.00 | 37.01<br>-4.06<br>-0.06 | 37.12<br>-3.94<br>0.00 | 33.66<br>-3.58<br>0.00 | 31.29<br>-2.17<br>-0.03 | 31.83<br>-1.67<br>0.00 | 29.68<br>-2.15<br>0.30  |
| PJM<br>61847  | 33.07<br>-0.62<br>0.56 | 28.76<br>-1.39<br>0.00 | 27.50<br>-1.15<br>0.00 | 25.82<br>-1.33<br>0.00 | 24.24<br>-1.33<br>0.00 | 26.37<br>-1.21<br>0.00 | 25.00<br>-2.03<br>0.00 | 29.68<br>-2.58<br>0.00 | 30.67<br>-2.52<br>0.00 | 31.98<br>-2.74<br>0.00 | 32.18<br>-2.87<br>0.00 | 30.47<br>-2.79<br>0.00 | 30.35<br>-2.89<br>-0.05 | 29.85<br>-2.91<br>-0.04 | 29.07<br>-2.88<br>0.00 | 28.72<br>-2.88<br>0.00 | 29.04<br>-2.87<br>0.00 | 32.88<br>-3.25<br>0.00 | 37.46<br>-3.65<br>-0.10 | 37.53<br>-3.53<br>0.00 | 34.07<br>-3.17<br>0.00 | 31.20<br>-2.27<br>-0.04 | 31.52<br>-1.98<br>0.00 | 29.49<br>-2.38<br>0.26  |
| WEST<br>61752 | 34.20<br>-0.05<br>0.00 | 29.23<br>-0.92<br>0.00 | 27.82<br>-0.83<br>0.00 | 25.99<br>-1.16<br>0.00 | 24.44<br>-1.13<br>0.00 | 26.69<br>-0.89<br>0.00 | 24.91<br>-2.12<br>0.00 | 29.71<br>-2.55<br>0.00 | 30.42<br>-2.77<br>0.00 | 31.72<br>-3.00<br>0.00 | 31.88<br>-3.17<br>0.00 | 30.26<br>-3.00<br>0.00 | 30.17<br>-3.05<br>-0.03 | 29.66<br>-3.09<br>-0.03 | 28.86<br>-3.09<br>0.00 | 28.51<br>-3.09<br>0.00 | 28.82<br>-3.09<br>0.00 | 32.66<br>-3.47<br>0.00 | 37.26<br>-3.81<br>-0.06 | 37.39<br>-3.67<br>0.00 | 33.92<br>-3.32<br>0.00 | 31.46<br>-2.00<br>-0.03 | 32.04<br>-1.46<br>0.00 | 30.27<br>-1.92<br>-0.06 |