

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$                      --- Marginal Cost of Losses                      --- Marginal Cost of Congestion

Zonal Prices

Date: 02/29/2000

| Name<br>Ptid    | 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                  |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|
| CAPITL<br>61757 | 10.99<br>0.25<br>0.00  | 17.65<br>0.51<br>0.00  | 13.58<br>0.38<br>0.00  | 12.83<br>0.41<br>0.00  | 14.56<br>0.44<br>0.00  | 14.90<br>0.37<br>0.00  | 18.89<br>0.69<br>-1.79  | 31.58<br>0.77<br>-9.19  | 34.85<br>0.61<br>-16.93 | 36.67<br>0.54<br>-21.28 | 28.35<br>0.59<br>-10.75 | 18.80<br>0.48<br>-3.05  | 21.94<br>0.53<br>-6.37  | 19.33<br>0.45<br>-4.40  | 31.58<br>0.32<br>-19.41 | 17.68<br>0.26<br>-4.17  | 16.16<br>0.34<br>-0.65  | 28.79<br>0.42<br>-10.97 | 33.10<br>0.94<br>-1.88  | 37.17<br>1.22<br>0.00  | 29.79<br>0.95<br>0.00  | 29.77<br>0.97<br>-1.56  | 14.94<br>0.46<br>0.00  | 13.13<br>0.36<br>0.00  |
| CENTRL<br>61754 | 10.58<br>-0.16<br>0.00 | 16.82<br>-0.32<br>0.00 | 12.98<br>-0.21<br>0.00 | 12.23<br>-0.19<br>0.00 | 13.88<br>-0.25<br>0.00 | 14.25<br>-0.29<br>0.00 | 16.23<br>-0.37<br>-0.19 | 22.08<br>-0.50<br>-0.96 | 18.67<br>-0.42<br>-1.78 | 16.71<br>-0.37<br>-2.24 | 17.70<br>-0.44<br>-1.13 | 15.20<br>-0.38<br>-0.31 | 15.30<br>-0.40<br>-0.66 | 14.56<br>-0.37<br>-0.45 | 13.60<br>-0.28<br>-2.03 | 13.42<br>-0.26<br>-0.44 | 14.89<br>-0.35<br>-0.07 | 18.13<br>-0.42<br>-1.15 | 29.73<br>-0.75<br>-0.20 | 35.06<br>-0.89<br>0.00 | 28.10<br>-0.74<br>0.00 | 26.66<br>-0.74<br>-0.16 | 14.13<br>-0.36<br>0.00 | 12.51<br>-0.26<br>0.00 |
| DUNWOD<br>61760 | 11.48<br>0.74<br>0.00  | 18.16<br>1.03<br>0.00  | 13.96<br>0.76<br>0.00  | 13.11<br>0.69<br>0.00  | 14.95<br>0.82<br>0.00  | 15.58<br>1.05<br>0.00  | 19.08<br>1.26<br>-1.40  | 30.77<br>1.94<br>-7.21  | 32.10<br>1.52<br>-13.27 | 32.88<br>1.35<br>-16.69 | 26.99<br>1.55<br>-8.42  | 19.14<br>1.47<br>-2.39  | 21.41<br>1.38<br>-4.98  | 19.28<br>1.36<br>-3.45  | 28.17<br>1.12<br>-15.20 | 17.80<br>1.28<br>-3.27  | 17.18<br>1.49<br>-0.51  | 27.77<br>1.78<br>-8.59  | 34.83<br>3.07<br>-1.47  | 39.38<br>3.43<br>0.00  | 31.52<br>2.68<br>0.00  | 30.78<br>2.32<br>-1.22  | 15.67<br>1.18<br>0.00  | 13.74<br>0.96<br>0.00  |
| GENESE<br>61753 | 10.51<br>-0.23<br>0.00 | 16.78<br>-0.36<br>0.00 | 12.91<br>-0.28<br>0.00 | 12.19<br>-0.23<br>0.00 | 13.84<br>-0.29<br>0.00 | 14.14<br>-0.39<br>0.00 | 16.11<br>-0.47<br>-0.17 | 21.57<br>-0.92<br>-0.86 | 18.20<br>-0.71<br>-1.60 | 16.23<br>-0.63<br>-2.01 | 17.30<br>-0.72<br>-1.01 | 14.92<br>-0.64<br>-0.28 | 15.05<br>-0.58<br>-0.58 | 14.32<br>-0.56<br>-0.40 | 13.25<br>-0.41<br>-1.81 | 13.16<br>-0.47<br>-0.39 | 14.62<br>-0.61<br>-0.06 | 17.67<br>-0.76<br>-1.03 | 29.13<br>-1.33<br>-0.18 | 34.36<br>-1.59<br>0.00 | 27.57<br>-1.27<br>0.00 | 26.28<br>-1.11<br>-0.14 | 13.92<br>-0.56<br>0.00 | 12.41<br>-0.36<br>0.00 |
| H Q<br>61844    | 10.63<br>-0.11<br>0.00 | 16.97<br>-0.17<br>0.00 | 13.08<br>-0.12<br>0.00 | 12.32<br>-0.11<br>0.00 | 14.00<br>-0.13<br>0.00 | 14.35<br>-0.18<br>0.00 | 16.13<br>-0.28<br>0.01  | 21.11<br>-0.46<br>0.05  | 16.89<br>-0.32<br>0.10  | 14.46<br>-0.26<br>0.13  | 16.71<br>-0.25<br>0.06  | 15.01<br>-0.25<br>0.02  | 14.78<br>-0.23<br>0.04  | 14.23<br>-0.22<br>0.03  | 11.54<br>-0.19<br>0.11  | 12.99<br>-0.24<br>0.02  | 14.90<br>-0.27<br>0.00  | 17.02<br>-0.31<br>0.06  | 29.73<br>-0.54<br>0.01  | 35.28<br>-0.67<br>0.00 | 28.36<br>-0.48<br>0.00 | 26.86<br>-0.38<br>0.01  | 14.33<br>-0.15<br>0.00 | 12.67<br>-0.10<br>0.00 |
| HUD VL<br>61758 | 11.26<br>0.52<br>0.00  | 17.86<br>0.72<br>0.00  | 13.74<br>0.54<br>0.00  | 12.91<br>0.49<br>0.00  | 14.71<br>0.58<br>0.00  | 15.29<br>0.75<br>0.00  | 18.72<br>0.91<br>-1.40  | 30.24<br>1.40<br>-7.21  | 31.69<br>1.09<br>-13.29 | 32.50<br>0.95<br>-16.71 | 26.52<br>1.06<br>-8.44  | 18.68<br>1.01<br>-2.40  | 20.97<br>0.95<br>-4.98  | 18.84<br>0.92<br>-3.44  | 27.79<br>0.75<br>-15.18 | 17.38<br>0.87<br>-3.26  | 16.73<br>1.05<br>-0.51  | 27.22<br>1.24<br>-8.58  | 33.87<br>2.11<br>-1.47  | 38.31<br>2.36<br>0.00  | 30.70<br>1.86<br>0.00  | 30.09<br>1.63<br>-1.22  | 15.34<br>0.85<br>0.00  | 13.45<br>0.67<br>0.00  |

|                 |                        |                        |                        |                        |                        |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                        |                         |                        |                        |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|
| LONGIL<br>61762 | 11.72<br>0.99<br>0.00  | 18.64<br>1.51<br>0.00  | 14.31<br>1.12<br>0.00  | 13.44<br>1.01<br>0.00  | 15.33<br>1.21<br>0.00  | 16.04<br>1.51<br>0.00  | 19.54<br>1.73<br>-1.40  | 31.22<br>2.38<br>-7.22  | 32.32<br>1.72<br>-13.29 | 33.06<br>1.50<br>-16.71 | 27.20<br>1.75<br>-8.43  | 19.32<br>1.65<br>-2.40  | 21.60<br>1.57<br>-4.99  | 19.49<br>1.56<br>-3.45  | 28.37<br>1.29<br>-15.23 | 18.00<br>1.49<br>-3.27  | 17.39<br>1.71<br>-0.51  | 28.06<br>2.06<br>-8.61  | 54.14<br>3.65<br>-20.20 | 54.00<br>4.06<br>-13.98 | 36.15<br>3.09<br>-4.22 | 31.06<br>2.59<br>-1.22  | 15.76<br>1.28<br>0.00  | 13.92<br>1.14<br>0.00  |
| MHK VL<br>61756 | 10.72<br>-0.01<br>0.00 | 17.14<br>0.00<br>0.00  | 13.20<br>0.01<br>0.00  | 12.45<br>0.03<br>0.00  | 14.15<br>0.03<br>0.00  | 14.54<br>0.01<br>0.00  | 16.57<br>0.11<br>-0.04  | 21.88<br>0.04<br>-0.22  | 17.75<br>0.01<br>-0.42  | 15.40<br>0.02<br>-0.53  | 17.29<br>0.01<br>-0.26  | 15.35<br>0.00<br>-0.07  | 15.19<br>0.00<br>-0.15  | 14.58<br>0.00<br>-0.11  | 12.33<br>0.00<br>-0.49  | 13.34<br>-0.01<br>-0.10 | 15.19<br>0.00<br>-0.02  | 17.70<br>0.02<br>-0.28  | 30.40<br>0.07<br>-0.05  | 36.03<br>0.08<br>0.00   | 28.88<br>0.04<br>0.00  | 27.31<br>0.04<br>-0.04  | 14.51<br>0.02<br>0.00  | 12.78<br>0.01<br>0.00  |
| MILLWD<br>61759 | 11.35<br>0.62<br>0.00  | 17.98<br>0.84<br>0.00  | 13.82<br>0.62<br>0.00  | 12.98<br>0.56<br>0.00  | 14.80<br>0.67<br>0.00  | 15.42<br>0.88<br>0.00  | 18.87<br>1.07<br>-1.39  | 30.44<br>1.68<br>-7.13  | 31.76<br>1.31<br>-13.14 | 32.53<br>1.17<br>-16.52 | 26.69<br>1.33<br>-8.33  | 18.91<br>1.27<br>-2.37  | 21.16<br>1.18<br>-4.93  | 19.05<br>1.16<br>-3.41  | 27.85<br>0.96<br>-15.05 | 17.58<br>1.10<br>-3.23  | 16.97<br>1.29<br>-0.50  | 27.44<br>1.54<br>-8.50  | 34.40<br>2.65<br>-1.46  | 38.89<br>2.94<br>0.00   | 31.14<br>2.30<br>0.00  | 30.43<br>1.99<br>-1.21  | 15.50<br>1.01<br>0.00  | 13.59<br>0.81<br>0.00  |
| N.Y.C.<br>61761 | 11.63<br>0.90<br>0.00  | 18.37<br>1.24<br>0.00  | 14.11<br>0.91<br>0.00  | 13.25<br>0.83<br>0.00  | 15.11<br>0.99<br>0.00  | 15.78<br>1.25<br>0.00  | 19.36<br>1.54<br>-1.40  | 31.23<br>2.39<br>-7.21  | 32.47<br>1.87<br>-13.29 | 33.22<br>1.67<br>-16.71 | 27.41<br>1.95<br>-8.43  | 19.57<br>1.90<br>-2.40  | 21.84<br>1.80<br>-4.99  | 19.69<br>1.77<br>-3.45  | 28.53<br>1.45<br>-15.22 | 18.63<br>1.65<br>-3.72  | 17.61<br>1.93<br>-0.51  | 28.26<br>2.25<br>-8.60  | 35.60<br>3.84<br>-1.48  | 40.24<br>4.29<br>0.00   | 32.17<br>3.33<br>0.00  | 31.34<br>2.88<br>-1.22  | 15.98<br>1.49<br>0.00  | 14.00<br>1.23<br>0.00  |
| NORTH<br>61755  | 10.59<br>-0.15<br>0.00 | 16.93<br>-0.21<br>0.00 | 13.05<br>-0.15<br>0.00 | 12.29<br>-0.13<br>0.00 | 13.97<br>-0.16<br>0.00 | 14.32<br>-0.22<br>0.00 | 16.11<br>-0.29<br>0.02  | 21.02<br>-0.52<br>0.08  | 16.78<br>-0.38<br>0.15  | 14.34<br>-0.31<br>0.19  | 16.61<br>-0.32<br>0.09  | 14.94<br>-0.30<br>0.03  | 14.69<br>-0.29<br>0.06  | 14.15<br>-0.29<br>0.04  | 11.43<br>-0.24<br>0.17  | 12.92<br>-0.29<br>0.04  | 14.85<br>-0.32<br>0.01  | 16.94<br>-0.36<br>0.10  | 29.65<br>-0.62<br>0.02  | 35.19<br>-0.76<br>0.00  | 28.26<br>-0.58<br>0.00 | 26.76<br>-0.47<br>0.01  | 14.29<br>-0.19<br>0.00 | 12.64<br>-0.14<br>0.00 |
| NPX<br>61845    | 10.91<br>0.17<br>0.00  | 17.46<br>0.32<br>0.00  | 13.43<br>0.23<br>0.00  | 12.67<br>0.25<br>0.00  | 14.40<br>0.28<br>0.00  | 14.80<br>0.26<br>0.00  | 18.55<br>0.48<br>-1.66  | 30.79<br>0.62<br>-8.55  | 33.56<br>0.50<br>-15.75 | 35.09<br>0.45<br>-19.80 | 27.49<br>0.47<br>-10.00 | 18.52<br>0.40<br>-2.84  | 21.37<br>0.41<br>-5.92  | 18.92<br>0.35<br>-4.09  | 30.16<br>0.26<br>-18.06 | 17.37<br>0.24<br>-3.88  | 16.11<br>0.33<br>-0.60  | 28.01<br>0.41<br>-10.20 | 32.83<br>0.80<br>-1.75  | 36.96<br>1.01<br>0.00   | 29.63<br>0.78<br>0.00  | 29.45<br>0.76<br>-1.45  | 14.87<br>0.38<br>0.00  | 13.05<br>0.27<br>0.00  |
| O H<br>61846    | 10.54<br>-0.20<br>0.00 | 16.76<br>-0.38<br>0.00 | 12.91<br>-0.28<br>0.00 | 12.08<br>-0.34<br>0.00 | 13.72<br>-0.41<br>0.00 | 14.14<br>-0.40<br>0.00 | 15.80<br>-0.83<br>-0.22 | 21.57<br>-1.19<br>-1.14 | 18.42<br>-1.00<br>-2.10 | 16.55<br>-0.94<br>-2.65 | 17.22<br>-1.10<br>-1.31 | 14.69<br>-0.95<br>-0.37 | 14.84<br>-0.97<br>-0.76 | 14.15<br>-0.85<br>-0.52 | 13.57<br>-0.62<br>-2.35 | 13.13<br>-0.62<br>-0.50 | 14.41<br>-0.84<br>-0.08 | 17.69<br>-1.04<br>-1.33 | 28.43<br>-2.07<br>-0.23 | 33.57<br>-2.38<br>0.00  | 27.00<br>-1.85<br>0.00 | 25.69<br>-1.74<br>-0.19 | 13.64<br>-0.85<br>0.00 | 12.22<br>-0.55<br>0.00 |
| PJM<br>61847    | 10.35<br>-0.39<br>0.00 | 16.44<br>-0.70<br>0.00 | 12.68<br>-0.52<br>0.00 | 11.90<br>-0.53<br>0.00 | 13.52<br>-0.60<br>0.00 | 13.97<br>-0.56<br>0.00 | 15.93<br>-0.78<br>-0.30 | 22.22<br>-0.92<br>-1.52 | 19.33<br>-0.79<br>-2.81 | 17.68<br>-0.70<br>-3.54 | 17.89<br>-0.86<br>-1.73 | 15.01<br>-0.75<br>-0.48 | 15.22<br>-0.83<br>-1.00 | 14.44<br>-0.73<br>-0.69 | 14.36<br>-0.56<br>-3.07 | 13.35<br>-0.56<br>-0.66 | 14.60<br>-0.68<br>-0.10 | 18.34<br>-0.80<br>-1.74 | 29.06<br>-1.52<br>-0.30 | 34.18<br>-1.77<br>0.00  | 27.42<br>-1.42<br>0.00 | 26.09<br>-1.41<br>-0.26 | 13.79<br>-0.69<br>0.00 | 12.18<br>-0.60<br>0.00 |
| WEST<br>61752   | 10.58<br>-0.16<br>0.00 | 16.80<br>-0.33<br>0.00 | 12.95<br>-0.25<br>0.00 | 12.11<br>-0.31<br>0.00 | 13.76<br>-0.37<br>0.00 | 14.18<br>-0.35<br>0.00 | 15.81<br>-0.82<br>-0.30 | 21.60<br>-1.14<br>-1.52 | 18.44<br>-0.94<br>-2.81 | 16.56<br>-0.89<br>-3.54 | 17.29<br>-1.02<br>-1.73 | 14.76<br>-0.88<br>-0.48 | 14.90<br>-0.89<br>-1.00 | 14.22<br>-0.78<br>-0.69 | 13.60<br>-0.57<br>-3.07 | 13.20<br>-0.55<br>-0.66 | 14.48<br>-0.77<br>-0.10 | 17.75<br>-0.96<br>-1.74 | 28.56<br>-1.95<br>-0.30 | 33.71<br>-2.24<br>0.00  | 27.10<br>-1.75<br>0.00 | 25.77<br>-1.66<br>-0.26 | 13.68<br>-0.81<br>0.00 | 12.25<br>-0.52<br>0.00 |

|      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |       |      |      |
|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|------|------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.22 | -1.12 | -2.07 | -2.61 | -1.29 | -0.36 | -0.75 | -0.52 | -2.32 | -0.50 | -0.08 | -1.32 | -0.22 | 0.00 | 0.00 | -0.19 | 0.00 | 0.00 |
|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|------|------|