

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

06/17/2002

| 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            | EDT                    | EDT                     | EDT                    | EDT                     | EDT                     | EDT                   | EDT                    | EDT                    | EDT                    | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     | EDT                     |
| CAPITL<br>61757 | 22.57<br>1.18<br>0.00  | 13.26<br>0.72<br>0.00   | 13.16<br>0.70<br>0.00  | 13.67<br>0.75<br>0.00   | 10.40<br>0.59<br>0.00   | 9.28<br>0.39<br>0.00  | 24.46<br>0.95<br>0.00  | 21.65<br>0.53<br>0.00  | 24.15<br>0.43<br>0.00  | 18.25<br>0.21<br>0.00   | 19.81<br>0.32<br>0.00   | 20.28<br>0.39<br>0.00   | 22.77<br>0.63<br>0.00   | 22.45<br>0.72<br>0.00   | 22.22<br>0.66<br>0.00   | 35.69<br>0.48<br>-15.59 | 36.27<br>0.21<br>-22.79 | 38.96<br>0.34<br>-21.90 | 31.37<br>0.63<br>0.00   | 29.25<br>0.51<br>-2.74  | 19.85<br>0.38<br>0.00   | 18.28<br>0.32<br>0.00   | 17.81<br>0.19<br>0.00   | 18.18<br>0.37<br>0.00   |
| CENTRL<br>61754 | 21.03<br>-0.36<br>0.00 | 12.36<br>-0.19<br>0.00  | 12.28<br>-0.18<br>0.00 | 12.73<br>-0.19<br>0.00  | 9.69<br>-0.12<br>0.00   | 8.81<br>-0.09<br>0.00 | 23.16<br>-0.35<br>0.00 | 20.73<br>-0.39<br>0.00 | 23.32<br>-0.40<br>0.00 | 17.79<br>-0.26<br>0.00  | 19.22<br>-0.27<br>0.00  | 19.61<br>-0.27<br>0.00  | 21.81<br>-0.33<br>0.00  | 21.39<br>-0.34<br>0.00  | 21.26<br>-0.30<br>0.00  | 20.75<br>-0.31<br>-1.43 | 15.18<br>-0.14<br>-2.05 | 18.55<br>-0.14<br>-1.98 | 30.32<br>-0.42<br>0.00  | 25.87<br>-0.37<br>-0.25 | 19.22<br>-0.24<br>0.00  | 17.78<br>-0.18<br>0.00  | 17.59<br>-0.03<br>0.00  | 17.72<br>-0.10<br>0.00  |
| DUNWOD<br>61760 | 22.57<br>1.19<br>0.00  | 13.18<br>0.64<br>0.00   | 13.04<br>0.58<br>0.00  | 13.46<br>0.55<br>0.00   | 10.21<br>0.39<br>0.00   | 9.32<br>0.42<br>0.00  | 25.06<br>1.56<br>0.00  | 22.97<br>1.86<br>0.00  | 26.19<br>2.47<br>0.00  | 19.96<br>1.92<br>0.00   | 21.54<br>2.05<br>0.00   | 21.93<br>2.04<br>0.00   | 24.41<br>2.26<br>0.00   | 23.90<br>2.17<br>0.00   | 23.67<br>2.11<br>0.00   | 33.72<br>2.08<br>-12.02 | 37.18<br>1.37<br>-22.55 | 35.07<br>1.58<br>-16.78 | 33.69<br>2.95<br>0.00   | 30.65<br>2.55<br>-2.10  | 21.43<br>1.97<br>0.00   | 19.67<br>1.71<br>0.00   | 18.98<br>1.36<br>0.00   | 18.98<br>1.16<br>0.00   |
| GENESE<br>61753 | 20.98<br>-0.41<br>0.00 | 12.27<br>-0.28<br>0.00  | 12.11<br>-0.34<br>0.00 | 12.59<br>-0.33<br>0.00  | 9.63<br>-0.18<br>0.00   | 8.75<br>-0.15<br>0.00 | 22.84<br>-0.67<br>0.00 | 20.24<br>-0.88<br>0.00 | 22.51<br>-1.21<br>0.00 | 17.17<br>-0.87<br>0.00  | 18.65<br>-0.83<br>0.00  | 19.02<br>-0.87<br>0.00  | 21.15<br>-0.99<br>0.00  | 20.75<br>-0.98<br>0.00  | 20.63<br>-0.94<br>0.00  | 20.12<br>-0.97<br>-1.46 | 14.67<br>-0.63<br>-2.03 | 17.92<br>-0.76<br>-1.97 | 29.33<br>-1.41<br>0.00  | 25.05<br>-1.20<br>-0.25 | 18.57<br>-0.90<br>0.00  | 17.20<br>-0.76<br>0.00  | 17.07<br>-0.55<br>0.00  | 17.31<br>-0.51<br>0.00  |
| H Q<br>61844    | 21.08<br>-0.31<br>0.00 | 12.35<br>-0.19<br>0.00  | 12.26<br>-0.20<br>0.00 | 12.72<br>-0.20<br>0.00  | 9.67<br>-0.14<br>0.00   | 8.77<br>-0.13<br>0.00 | 23.11<br>-0.39<br>0.00 | 17.00<br>-0.51<br>4.53 | 23.10<br>-0.62<br>0.00 | 17.59<br>-0.46<br>0.00  | 18.99<br>-0.49<br>0.00  | 19.39<br>-0.50<br>0.00  | 21.55<br>-0.59<br>0.00  | 21.22<br>-0.52<br>0.00  | 21.04<br>-0.53<br>0.00  | 18.99<br>-0.55<br>0.09  | 12.89<br>-0.37<br>0.00  | 16.37<br>-0.34<br>0.00  | 30.12<br>-0.62<br>0.00  | 25.48<br>-0.52<br>0.00  | 19.08<br>-0.39<br>0.00  | 17.59<br>-0.37<br>0.00  | 17.27<br>-0.35<br>0.00  | 15.37<br>-0.08<br>-2.36 |
| HUD VL<br>61758 | 22.13<br>0.75<br>0.00  | 12.95<br>0.41<br>0.00   | 12.84<br>0.38<br>0.00  | 13.29<br>0.37<br>0.00   | 10.07<br>0.26<br>0.00   | 9.18<br>0.29<br>0.00  | 24.56<br>1.06<br>0.00  | 22.38<br>1.27<br>0.00  | 25.39<br>1.67<br>0.00  | 19.33<br>1.29<br>0.00   | 20.84<br>1.36<br>0.00   | 21.26<br>1.37<br>0.00   | 23.66<br>1.52<br>0.00   | 23.18<br>1.45<br>0.00   | 23.02<br>1.45<br>0.00   | 33.03<br>1.49<br>-11.91 | 35.67<br>0.97<br>-21.43 | 34.55<br>1.10<br>-16.74 | 32.71<br>1.97<br>0.00   | 29.80<br>1.71<br>-2.09  | 20.75<br>1.28<br>0.00   | 19.09<br>1.13<br>0.00   | 18.59<br>0.97<br>0.00   | 18.58<br>0.76<br>0.00   |
| LONGIL<br>61762 | 22.54<br>1.15<br>0.00  | 30.08<br>0.66<br>-16.88 | 16.83<br>0.60<br>-3.77 | 34.29<br>0.58<br>-20.80 | 34.47<br>0.41<br>-24.25 | 9.54<br>0.42<br>-0.22 | 29.10<br>1.56<br>-4.04 | 32.50<br>1.76<br>-9.62 | 33.38<br>2.27<br>-7.39 | 42.25<br>1.78<br>-22.43 | 38.96<br>1.89<br>-17.58 | 26.58<br>1.80<br>-4.89  | 27.22<br>2.02<br>-3.05  | 38.35<br>1.98<br>-14.63 | 32.70<br>1.91<br>-9.22  | 33.50<br>1.84<br>-12.03 | 37.63<br>1.26<br>-23.10 | 34.93<br>1.41<br>-16.81 | 33.34<br>2.60<br>0.00   | 30.30<br>2.20<br>-2.10  | 35.42<br>1.77<br>-14.18 | 35.99<br>1.53<br>-16.50 | 28.06<br>1.32<br>-9.12  | 18.99<br>1.11<br>-0.06  |
| MHK VL<br>61756 | 21.68<br>0.30<br>0.00  | 12.74<br>0.20<br>0.00   | 12.65<br>0.19<br>0.00  | 13.10<br>0.19<br>0.00   | 9.97<br>0.15<br>0.00    | 9.03<br>0.14<br>0.00  | 23.85<br>0.35<br>0.00  | 21.26<br>0.15<br>0.00  | 23.84<br>0.12<br>0.00  | 18.12<br>0.08<br>0.00   | 19.57<br>0.09<br>0.00   | 19.99<br>0.10<br>0.00   | 22.30<br>0.16<br>0.00   | 21.92<br>0.18<br>0.00   | 21.72<br>0.16<br>0.00   | 20.69<br>0.11<br>-0.95  | 14.78<br>0.09<br>-1.42  | 18.19<br>0.12<br>-1.36  | 30.99<br>0.25<br>0.00   | 26.39<br>0.22<br>-0.17  | 19.62<br>0.15<br>0.00   | 18.14<br>0.17<br>0.00   | 17.79<br>0.17<br>0.00   | 17.98<br>0.16<br>0.00   |
| MILLWD<br>61759 | 22.27<br>0.89<br>0.00  | 13.01<br>0.47<br>0.00   | 12.87<br>0.41<br>0.00  | 13.30<br>0.38<br>0.00   | 10.08<br>0.26<br>0.00   | 9.20<br>0.31<br>0.00  | 24.72<br>1.22<br>0.00  | 22.65<br>1.53<br>0.00  | 25.79<br>2.07<br>0.00  | 19.65<br>1.61<br>0.00   | 21.20<br>1.71<br>0.00   | 21.60<br>1.71<br>0.00   | 24.04<br>1.89<br>0.00   | 23.54<br>1.80<br>0.00   | 23.32<br>1.75<br>0.00   | 33.26<br>1.75<br>-11.88 | 36.73<br>1.18<br>-22.28 | 34.74<br>1.39<br>-16.64 | 33.01<br>2.27<br>0.00   | 30.11<br>2.03<br>-2.08  | 21.08<br>1.61<br>0.00   | 19.32<br>1.36<br>0.00   | 18.76<br>1.14<br>0.00   | 18.73<br>0.91<br>0.00   |
| N.Y.C.<br>61761 | 22.92<br>1.54<br>0.00  | 13.37<br>0.83<br>0.00   | 13.20<br>0.74<br>0.00  | 13.62<br>0.71<br>0.00   | 10.32<br>0.51<br>0.00   | 9.45<br>0.55<br>0.00  | 27.81<br>1.98<br>-2.32 | 28.30<br>2.34<br>-4.84 | 33.73<br>3.08<br>-6.93 | 41.62<br>2.37<br>-21.21 | 65.88<br>2.55<br>-43.84 | 56.49<br>2.51<br>-34.09 | 41.95<br>2.77<br>-17.03 | 73.02<br>2.67<br>-48.61 | 42.19<br>2.57<br>-18.06 | 45.68<br>2.53<br>-23.52 | 48.98<br>1.69<br>-34.02 | 44.62<br>2.00<br>-25.91 | 57.24<br>3.47<br>-23.03 | 57.50<br>3.11<br>-28.39 | 52.80<br>2.40<br>-30.94 | 57.82<br>2.07<br>-37.79 | 44.75<br>1.72<br>-25.40 | 33.04<br>1.45<br>-13.77 |
| NORTH<br>61755  | 21.20<br>-0.18<br>0.00 | 12.44<br>-0.11<br>0.00  | 12.35<br>-0.11<br>0.00 | 12.80<br>-0.11<br>0.00  | 9.74<br>-0.07<br>0.00   | 8.82<br>-0.08<br>0.00 | 23.21<br>-0.30<br>0.00 | 20.74<br>-0.37<br>0.00 | 23.05<br>-0.67<br>0.00 | 17.55<br>-0.49<br>0.00  | 18.95<br>-0.53<br>0.00  | 19.36<br>-0.53<br>0.00  | 21.54<br>-0.60<br>0.00  | 21.22<br>-0.52<br>0.00  | 21.01<br>-0.56<br>0.00  | 19.39<br>-0.59<br>-0.36 | 13.34<br>-0.37<br>-0.44 | 16.74<br>-0.40<br>-0.43 | 30.03<br>-0.71<br>0.00  | 25.45<br>-0.60<br>-0.05 | 19.02<br>-0.45<br>0.00  | 17.54<br>-0.42<br>0.00  | 17.22<br>-0.40<br>0.00  | 17.53<br>-0.29<br>0.00  |
| NPX<br>61845    | 21.89<br>0.50<br>0.00  | 12.85<br>0.31<br>0.00   | 12.78<br>0.32<br>0.00  | 13.23<br>0.32<br>0.00   | 10.05<br>0.24<br>0.00   | 9.04<br>0.15<br>0.00  | 23.97<br>0.47<br>0.00  | 21.47<br>0.36<br>0.00  | 24.10<br>0.38<br>0.00  | 18.22<br>0.18<br>0.00   | 19.72<br>0.24<br>0.00   | 20.17<br>0.29<br>0.00   | 22.63<br>0.48<br>0.00   | 22.25<br>0.52<br>0.00   | 22.05<br>0.48<br>0.00   | 34.40<br>0.43<br>-14.35 | 36.22<br>0.19<br>-22.77 | 37.14<br>0.29<br>-20.14 | 31.17<br>0.43<br>0.00   | 28.92<br>0.40<br>-2.52  | 19.81<br>0.35<br>0.00   | 18.15<br>0.19<br>0.00   | 17.73<br>0.11<br>0.00   | 16.05<br>0.60<br>-2.36  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 20.30 | 11.90 | 11.84 | 12.35 | 9.41  | 8.64  | 22.50 | 20.16 | 22.61 | 17.29 | 18.63 | 18.92 | 20.81 | 20.27 | 20.22 | 20.52 | 15.46 | 18.67 | 29.43 | 25.09 | 18.57 | 17.30 | 17.22 | 14.51 |
|               | -1.08 | -0.64 | -0.61 | -0.57 | -0.40 | -0.25 | -1.01 | -0.95 | -1.11 | -0.75 | -0.86 | -0.97 | -1.34 | -1.46 | -1.34 | -0.99 | -0.62 | -0.70 | -1.30 | -1.25 | -0.90 | -0.66 | -0.40 | -0.94 |
|               | 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  | -1.89 | -2.81 | -2.66 | 0.00  | -0.33 | 0.00  | 0.00  | 0.00  | -2.36 |
| PJM<br>61847  | 20.58 | 12.08 | 12.01 | 12.49 | 9.48  | 8.67  | 22.88 | 20.55 | 23.09 | 17.49 | 18.80 | 19.14 | 21.16 | 20.66 | 20.56 | 21.53 | 16.62 | 19.78 | 29.92 | 25.71 | 18.97 | 17.56 | 17.27 | 15.01 |
|               | -0.80 | -0.46 | -0.44 | -0.43 | -0.33 | -0.22 | -0.62 | -0.56 | -0.63 | -0.55 | -0.69 | -0.75 | -0.98 | -1.08 | -1.00 | -0.61 | -0.38 | -0.44 | -0.81 | -0.73 | -0.49 | -0.40 | -0.35 | -0.44 |
|               | 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  | -2.51 | -3.72 | -3.51 | 0.00  | -0.44 | 0.00  | 0.00  | 0.00  | -2.36 |
| WEST<br>61752 | 20.26 | 11.88 | 11.84 | 12.35 | 9.42  | 8.66  | 22.50 | 20.15 | 22.59 | 17.40 | 18.75 | 19.04 | 20.91 | 20.35 | 20.29 | 20.54 | 15.50 | 18.73 | 29.35 | 25.00 | 18.52 | 17.31 | 17.28 | 17.40 |
|               | -1.13 | -0.66 | -0.61 | -0.56 | -0.39 | -0.24 | -1.00 | -0.96 | -1.12 | -0.64 | -0.74 | -0.85 | -1.23 | -1.39 | -1.28 | -1.05 | -0.61 | -0.73 | -1.38 | -1.35 | -0.95 | -0.65 | -0.34 | -0.42 |
|               | 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  | -1.96 | -2.84 | -2.75 | 0.00  | -0.34 | 0.00  | 0.00  | 0.00  | 0.00  |