

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

--- Scarcity Pricing In Effect (Y/N)

## Zonal Data

07/01/2004

| Name<br>PTID<br>CAPITL | 00:00<br>EDT                 | 01:00<br>EDT                 | 02:00<br>EDT                 | 03:00<br>EDT                 | 04:00<br>EDT                 | 05:00<br>EDT                 | 06:00<br>EDT                 | 07:00<br>EDT                 | 08:00<br>EDT                 | 09:00<br>EDT                  | 10:00<br>EDT                  | 11:00<br>EDT                  | 12:00<br>EDT                  | 13:00<br>EDT                | 14:00<br>EDT                  | 15:00<br>EDT                  | 16:00<br>EDT                  | 17:00<br>EDT                  | 18:00<br>EDT                  | 19:00<br>EDT                  | 20:00<br>EDT                 | 21:00<br>EDT                  | 22:00<br>EDT                 | 23:00<br>EDT                  |
|------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| 61757                  | 2.19<br>0.00<br>N            | 1.77<br>0.00<br>N            | 2.13<br>0.00<br>N            | 2.18<br>0.00<br>N            | 3.47<br>0.00<br>N            | 2.36<br>0.00<br>N            | 3.10<br>0.00<br>N            | 2.14<br>-13.28<br>N          | 2.68<br>0.00<br>N            | 3.04<br>0.10<br>N             | 2.52<br>0.00<br>N             | 2.86<br>0.00<br>N             | 3.72<br>0.00<br>N             | 3.45<br>0.00<br>N           | 2.70<br>0.00<br>N             | 3.28<br>0.00<br>N             | 3.10<br>0.00<br>N             | 2.34<br>0.00<br>N             | 2.36<br>0.00<br>N             | 2.61<br>0.00<br>N             | 3.26<br>0.00<br>N            | 3.05<br>0.00<br>N             | 3.47<br>0.00<br>N            | 4.70<br>0.00<br>N             |
| CENTRL<br>61754        | 27.85<br>-0.85<br>0.00<br>N  | 19.77<br>-0.60<br>0.00<br>N  | 20.84<br>-0.66<br>0.00<br>N  | 22.02<br>-0.64<br>0.00<br>N  | 34.97<br>-1.29<br>0.00<br>N  | 24.00<br>-0.82<br>0.00<br>N  | 36.19<br>-1.27<br>0.00<br>N  | 33.96<br>-1.13<br>-1.23<br>N | 38.29<br>-1.26<br>0.00<br>N  | 44.02<br>-1.37<br>0.05<br>N   | 48.76<br>-1.31<br>0.00<br>N   | 65.04<br>-1.58<br>0.00<br>N   | 75.71<br>-1.74<br>0.00<br>N   | 74.71<br>-1.59<br>0.00<br>N | 65.81<br>-1.29<br>0.00<br>N   | 80.88<br>-1.54<br>0.00<br>N   | 73.47<br>-1.48<br>0.00<br>N   | 61.45<br>-1.25<br>0.00<br>N   | 52.91<br>-1.10<br>0.00<br>N   | 49.81<br>-1.15<br>0.00<br>N   | 50.66<br>-1.34<br>0.00<br>N  | 51.89<br>-1.37<br>0.00<br>N   | 50.11<br>-1.58<br>0.00<br>N  | 48.07<br>-1.60<br>0.00<br>N   |
| DUNWOD<br>61760        | 30.05<br>1.34<br>0.00<br>N   | 21.26<br>0.89<br>0.00<br>N   | 22.23<br>0.73<br>0.00<br>N   | 23.37<br>0.70<br>0.00<br>N   | 37.53<br>1.27<br>0.00<br>N   | 25.76<br>0.94<br>0.00<br>N   | 39.61<br>2.15<br>0.00<br>N   | 46.75<br>2.76<br>-10.14<br>N | 42.93<br>3.37<br>0.00<br>N   | 49.22<br>3.90<br>0.11<br>N    | 54.63<br>4.55<br>0.00<br>N    | 72.72<br>6.10<br>0.00<br>N    | 84.11<br>6.65<br>0.00<br>N    | 82.74<br>6.44<br>0.00<br>N  | 72.95<br>5.84<br>0.00<br>N    | 89.34<br>6.92<br>0.00<br>N    | 80.96<br>6.01<br>0.00<br>N    | 67.71<br>5.01<br>0.00<br>N    | 58.12<br>4.11<br>0.00<br>N    | 54.55<br>3.59<br>0.00<br>N    | 55.62<br>3.62<br>0.00<br>N   | 57.05<br>3.79<br>0.00<br>N    | 55.11<br>3.42<br>0.00<br>N   | 52.26<br>2.59<br>0.00<br>N    |
| GENESE<br>61753        | 28.20<br>-0.50<br>0.00<br>N  | 20.03<br>-0.34<br>0.00<br>N  | 21.30<br>-0.20<br>0.00<br>N  | 22.50<br>-0.17<br>0.00<br>N  | 35.77<br>-0.49<br>0.00<br>N  | 24.51<br>-0.31<br>0.00<br>N  | 36.44<br>-1.02<br>0.00<br>N  | 33.58<br>-1.54<br>-1.27<br>N | 37.83<br>-1.73<br>0.00<br>N  | 44.28<br>-1.82<br>-0.67<br>N  | 48.11<br>-1.97<br>0.00<br>N   | 64.12<br>-2.51<br>0.00<br>N   | 74.98<br>-2.48<br>0.00<br>N   | 73.94<br>-2.37<br>0.00<br>N | 64.88<br>-2.22<br>0.00<br>N   | 79.66<br>-2.76<br>0.00<br>N   | 72.43<br>-2.52<br>0.00<br>N   | 60.60<br>-2.10<br>0.00<br>N   | 52.28<br>-1.74<br>0.00<br>N   | 49.40<br>-1.56<br>0.00<br>N   | 50.20<br>-1.80<br>0.00<br>N  | 51.53<br>-1.74<br>0.00<br>N   | 50.02<br>-1.66<br>0.00<br>N  | 48.83<br>-0.84<br>0.00<br>N   |
| H Q<br>61844           | 28.55<br>-0.16<br>0.00<br>N  | 20.22<br>-0.15<br>0.00<br>N  | 21.37<br>-0.14<br>0.00<br>N  | 22.55<br>-0.12<br>0.00<br>N  | 36.06<br>-0.20<br>0.00<br>N  | 24.67<br>-0.15<br>0.00<br>N  | 37.09<br>-0.37<br>0.00<br>N  | 33.11<br>-0.71<br>0.03<br>N  | 38.67<br>-0.88<br>0.00<br>N  | 44.48<br>-0.96<br>0.00<br>N   | 49.14<br>-0.93<br>0.00<br>N   | 56.89<br>-2.05<br>1.24<br>N   | 75.99<br>-1.47<br>0.00<br>N   | 74.88<br>-1.43<br>0.00<br>N | 65.71<br>-1.40<br>0.00<br>N   | 56.99<br>-2.17<br>15.74<br>N  | 57.00<br>-2.20<br>16.60<br>N  | 61.65<br>-1.05<br>0.00<br>N   | 57.24<br>-1.31<br>-1.79<br>N  | 50.14<br>-0.82<br>0.00<br>N   | 51.08<br>-0.92<br>0.00<br>N  | 52.44<br>-0.82<br>0.00<br>N   | 54.37<br>-1.33<br>-2.49<br>N | 39.04<br>-0.10<br>10.01<br>N  |
| HUD VL<br>61758        | 29.46<br>0.75<br>0.00<br>N   | 20.87<br>0.50<br>0.00<br>N   | 21.86<br>0.36<br>0.00<br>N   | 23.01<br>0.34<br>0.00<br>N   | 36.91<br>0.65<br>0.00<br>N   | 25.29<br>0.47<br>0.00<br>N   | 38.70<br>1.24<br>0.00<br>N   | 45.69<br>1.81<br>-10.03<br>N | 41.72<br>2.17<br>0.00<br>N   | 47.79<br>2.47<br>0.11<br>N    | 52.96<br>2.88<br>0.00<br>N    | 70.58<br>3.95<br>0.00<br>N    | 81.89<br>4.43<br>0.00<br>N    | 80.55<br>4.24<br>0.00<br>N  | 70.95<br>3.85<br>0.00<br>N    | 87.05<br>4.63<br>0.00<br>N    | 78.98<br>4.03<br>0.00<br>N    | 65.99<br>3.29<br>0.00<br>N    | 56.72<br>2.71<br>0.00<br>N    | 53.35<br>2.38<br>0.00<br>N    | 54.49<br>2.50<br>0.00<br>N   | 55.78<br>2.52<br>0.00<br>N    | 53.85<br>2.16<br>0.00<br>N   | 51.01<br>1.34<br>0.00<br>N    |
| LONGIL<br>61762        | 67.65<br>1.96<br>-36.99<br>N | 83.69<br>1.44<br>-61.88<br>N | 99.63<br>1.32<br>-76.81<br>N | 51.73<br>1.27<br>-27.80<br>N | 60.00<br>2.20<br>-21.54<br>N | 59.00<br>1.57<br>-32.61<br>N | 60.15<br>2.97<br>-19.72<br>N | 64.34<br>3.34<br>-27.15<br>N | 89.26<br>4.01<br>-45.69<br>N | 126.76<br>4.53<br>-76.80<br>N | 127.64<br>5.30<br>-72.27<br>N | 123.21<br>7.07<br>-49.51<br>N | 103.52<br>7.46<br>-18.61<br>N | 85.37<br>6.78<br>-2.29<br>N | 106.99<br>6.01<br>-33.88<br>N | 120.21<br>6.81<br>-30.98<br>N | 117.85<br>5.97<br>-36.92<br>N | 104.73<br>5.32<br>-36.71<br>N | 125.72<br>4.34<br>-67.37<br>N | 113.64<br>3.85<br>-58.83<br>N | 82.12<br>3.98<br>-26.15<br>N | 120.99<br>4.20<br>-63.52<br>N | 88.58<br>4.16<br>-32.74<br>N | 122.31<br>3.57<br>-69.07<br>N |
| MHK VL<br>61756        | 29.38<br>0.68<br>0.00<br>N   | 20.91<br>0.54<br>0.00<br>N   | 22.13<br>0.62<br>0.00<br>N   | 23.31<br>0.65<br>0.00<br>N   | 37.31<br>1.05<br>0.00<br>N   | 25.56<br>0.74<br>0.00<br>N   | 38.47<br>1.00<br>0.00<br>N   | 34.86<br>0.69<br>-0.32<br>N  | 40.38<br>0.83<br>0.00<br>N   | 46.37<br>0.97<br>0.03<br>N    | 50.95<br>0.87<br>0.00<br>N    | 67.56<br>0.94<br>0.00<br>N    | 78.48<br>1.02<br>0.00<br>N    | 77.31<br>1.01<br>0.00<br>N  | 67.96<br>0.85<br>0.00<br>N    | 83.68<br>1.26<br>0.00<br>N    | 76.19<br>1.24<br>0.00<br>N    | 63.65<br>0.96<br>0.00<br>N    | 54.96<br>0.95<br>0.00<br>N    | 51.87<br>0.91<br>0.00<br>N    | 53.07<br>1.08<br>0.00<br>N   | 54.27<br>1.00<br>0.00<br>N    | 52.67<br>0.98<br>0.00<br>N   | 50.96<br>1.29<br>0.00<br>N    |
| MILLWD<br>61759        | 29.59<br>0.88<br>0.00<br>N   | 20.93<br>0.56<br>0.00<br>N   | 21.89<br>0.39<br>0.00<br>N   | 23.02<br>0.35<br>0.00<br>N   | 36.96<br>0.70<br>0.00<br>N   | 25.35<br>0.54<br>0.00<br>N   | 38.97<br>1.51<br>0.00<br>N   | 46.06<br>2.17<br>-10.04<br>N | 42.22<br>2.66<br>0.00<br>N   | 48.41<br>3.09<br>0.11<br>N    | 53.72<br>3.64<br>0.00<br>N    | 71.52<br>4.90<br>0.00<br>N    | 82.74<br>5.29<br>0.00<br>N    | 81.43<br>5.12<br>0.00<br>N  | 71.78<br>4.68<br>0.00<br>N    | 87.95<br>5.53<br>0.00<br>N    | 79.72<br>4.77<br>0.00<br>N    | 66.66<br>3.96<br>0.00<br>N    | 57.24<br>3.23<br>0.00<br>N    | 53.74<br>2.78<br>0.00<br>N    | 54.79<br>2.79<br>0.00<br>N   | 56.19<br>2.93<br>0.00<br>N    | 54.25<br>2.56<br>0.00<br>N   | 51.39<br>1.72<br>0.00<br>N    |
| N.Y.C.<br>61761        | 51.16<br>1.79<br>-20.67<br>N | 46.82<br>1.23<br>-25.22<br>N | 40.91<br>1.07<br>-18.34<br>N | 30.63<br>1.04<br>-6.91<br>N  | 38.33<br>1.83<br>-21.54<br>N | 29.90<br>1.36<br>-3.73<br>N  | 52.89<br>2.94<br>-12.49<br>N | 69.29<br>3.54<br>-31.90<br>N | 61.78<br>4.32<br>-17.90<br>N | 65.07<br>4.95<br>-14.68<br>N  | 68.05<br>5.71<br>-12.26<br>N  | 82.53<br>7.45<br>-8.46<br>N   | 92.42<br>8.00<br>-6.96<br>N   | 92.79<br>7.59<br>-8.90<br>N | 82.76<br>6.81<br>-8.84<br>N   | 96.52<br>7.93<br>-6.16<br>N   | 90.65<br>6.83<br>-8.86<br>N   | 78.19<br>5.73<br>-9.76<br>N   | 67.16<br>4.71<br>-8.43<br>N   | 57.02<br>4.20<br>-1.85<br>N   | 60.56<br>4.30<br>-4.26<br>N  | 78.76<br>4.71<br>-20.79<br>N  | 76.37<br>4.31<br>-20.38<br>N | 72.37<br>3.46<br>-19.23<br>N  |

|                |                             |                             |                              |                             |                             |                             |                             |                              |                             |                             |                             |                              |                             |                             |                             |                             |                             |                             |                              |                             |                             |                             |                              |                              |
|----------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|
| NORTH<br>61755 | 28.77<br>0.06<br>0.00<br>N  | 20.40<br>0.03<br>0.00<br>N  | 21.58<br>0.08<br>0.00<br>N   | 22.77<br>0.10<br>0.00<br>N  | 36.42<br>0.16<br>0.00<br>N  | 24.92<br>0.10<br>0.00<br>N  | 37.43<br>-0.03<br>0.00<br>N | 33.14<br>-0.55<br>0.16<br>N  | 38.86<br>-0.69<br>0.00<br>N | 44.70<br>-0.73<br>0.00<br>N | 49.30<br>-0.77<br>0.00<br>N | 65.55<br>-1.08<br>0.00<br>N  | 76.11<br>-1.35<br>0.00<br>N | 74.97<br>-1.33<br>0.00<br>N | 65.77<br>-1.34<br>0.00<br>N | 80.82<br>-1.60<br>0.00<br>N | 73.65<br>-1.31<br>0.00<br>N | 61.76<br>-0.94<br>0.00<br>N | 53.21<br>-0.80<br>0.00<br>N  | 50.32<br>-0.64<br>0.00<br>N | 51.31<br>-0.68<br>0.00<br>N | 52.62<br>-0.64<br>0.00<br>N | 51.32<br>-0.37<br>0.00<br>N  | 49.71<br>0.04<br>0.00<br>N   |
| NPX<br>61845   | 29.85<br>1.14<br>0.00<br>N  | 21.34<br>0.96<br>0.00<br>N  | 22.66<br>1.16<br>0.00<br>N   | 23.83<br>1.16<br>0.00<br>N  | 38.15<br>1.89<br>0.00<br>N  | 26.10<br>1.28<br>0.00<br>N  | 39.26<br>1.79<br>0.00<br>N  | 47.34<br>1.35<br>-12.14<br>N | 41.23<br>1.68<br>0.00<br>N  | 47.15<br>1.81<br>0.10<br>N  | 51.93<br>1.86<br>0.00<br>N  | 72.82<br>3.07<br>-9.57<br>N  | 80.87<br>3.41<br>0.00<br>N  | 79.45<br>3.15<br>0.00<br>N  | 69.68<br>2.57<br>0.00<br>N  | 85.57<br>3.15<br>0.00<br>N  | 77.82<br>2.87<br>0.00<br>N  | 64.91<br>2.22<br>0.00<br>N  | 61.67<br>3.12<br>-1.79<br>N  | 53.20<br>2.24<br>0.00<br>N  | 54.67<br>2.67<br>0.00<br>N  | 55.77<br>2.51<br>0.00<br>N  | 58.63<br>2.93<br>-2.49<br>N  | 41.55<br>2.41<br>10.01<br>N  |
| O H<br>61846   | 26.59<br>-2.12<br>0.00<br>N | 18.64<br>-1.73<br>0.00<br>N | 19.59<br>-1.91<br>0.00<br>N  | 20.75<br>-1.91<br>0.00<br>N | 33.04<br>-3.22<br>0.00<br>N | 22.61<br>-2.21<br>0.00<br>N | 33.83<br>-3.63<br>0.00<br>N | 32.32<br>-3.15<br>-1.61<br>N | 35.44<br>-4.11<br>0.00<br>N | 34.41<br>-4.91<br>6.11<br>N | 45.32<br>-4.75<br>0.00<br>N | 65.60<br>-4.15<br>-9.57<br>N | 70.96<br>-6.50<br>0.00<br>N | 70.12<br>-6.18<br>0.00<br>N | 61.76<br>-5.35<br>0.00<br>N | 76.09<br>-6.33<br>0.00<br>N | 69.13<br>-5.83<br>0.00<br>N | 58.23<br>-4.47<br>0.00<br>N | 51.34<br>-7.21<br>-1.79<br>N | 47.16<br>-3.80<br>0.00<br>N | 47.37<br>-4.62<br>0.00<br>N | 49.09<br>-4.17<br>0.00<br>N | 50.86<br>-4.84<br>-2.49<br>N | 31.18<br>-7.96<br>10.01<br>N |
| PJM<br>61847   | 26.63<br>-2.07<br>0.00<br>N | 18.70<br>-1.67<br>0.00<br>N | 18.00<br>-5.38<br>15.02<br>N | 20.63<br>-2.04<br>0.00<br>N | 33.09<br>-3.17<br>0.00<br>N | 22.69<br>-2.13<br>0.00<br>N | 34.53<br>-2.93<br>0.00<br>N | 34.05<br>-1.99<br>-2.19<br>N | 37.22<br>-2.34<br>0.00<br>N | 39.52<br>-2.07<br>3.84<br>N | 48.37<br>-1.71<br>0.00<br>N | 73.00<br>3.25<br>-9.57<br>N  | 75.03<br>-2.42<br>0.00<br>N | 74.23<br>-2.07<br>0.00<br>N | 65.57<br>-1.53<br>0.00<br>N | 79.08<br>-3.34<br>0.00<br>N | 71.91<br>-3.04<br>0.00<br>N | 60.33<br>-2.37<br>0.00<br>N | 59.63<br>1.08<br>-1.79<br>N  | 48.53<br>-2.43<br>0.00<br>N | 49.28<br>-2.71<br>0.00<br>N | 50.74<br>-2.53<br>0.00<br>N | 55.01<br>-0.69<br>-2.49<br>N | 33.00<br>-6.14<br>10.01<br>N |
| WEST<br>61752  | 26.28<br>-2.43<br>0.00<br>N | 18.43<br>-1.94<br>0.00<br>N | 19.38<br>-2.12<br>0.00<br>N  | 20.55<br>-2.12<br>0.00<br>N | 32.66<br>-3.60<br>0.00<br>N | 22.36<br>-2.46<br>0.00<br>N | 33.44<br>-4.02<br>0.00<br>N | 31.92<br>-3.53<br>-1.59<br>N | 35.04<br>-4.51<br>0.00<br>N | 33.85<br>-5.24<br>6.34<br>N | 45.05<br>-5.02<br>0.00<br>N | 60.55<br>-6.08<br>0.00<br>N  | 70.66<br>-6.80<br>0.00<br>N | 69.89<br>-6.41<br>0.00<br>N | 61.59<br>-5.52<br>0.00<br>N | 75.84<br>-6.58<br>0.00<br>N | 68.89<br>-6.06<br>0.00<br>N | 58.05<br>-4.65<br>0.00<br>N | 50.05<br>-3.96<br>0.00<br>N  | 46.91<br>-4.05<br>0.00<br>N | 47.01<br>-4.98<br>0.00<br>N | 48.68<br>-4.59<br>0.00<br>N | 47.00<br>-4.68<br>0.00<br>N  | 44.80<br>-4.87<br>0.00<br>N  |