

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

08/10/2001

| Name<br>PTID    | 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           |
|-----------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|------------------------|
| CAPITL<br>61757 | 52.52<br>3.04<br>0.00    | 45.12<br>1.93<br>0.00   | 50.39<br>2.09<br>0.00  | 48.84<br>2.28<br>0.00  | 46.89<br>2.32<br>0.00  | 48.18<br>1.99<br>0.00  | 65.71<br>2.97<br>0.00   | 64.99<br>1.93<br>0.00   | 78.57<br>1.05<br>-22.57 | 190.51<br>0.71<br>-160.67 | 309.55<br>0.78<br>-278.18  | 158.71<br>0.84<br>-117.72 | 92.79<br>0.57<br>-46.62   | 59.14<br>0.26<br>-14.47   | 46.18<br>0.16<br>-9.82     | 39.29<br>0.83<br>0.00     | 52.47<br>0.57<br>-30.87    | 42.75<br>1.15<br>-0.93    | 51.18<br>1.55<br>-0.07    | 56.71<br>0.63<br>-34.14   | 43.87<br>0.86<br>-7.92   | 44.66<br>0.96<br>-7.61  | 34.77<br>0.99<br>-3.59  | 37.82<br>1.84<br>0.00  |
| CENTRL<br>61754 | 48.00<br>-1.48<br>0.00   | 41.77<br>-1.42<br>0.00  | 46.72<br>-1.59<br>0.00 | 45.06<br>-1.50<br>0.00 | 43.10<br>-1.47<br>0.00 | 44.70<br>-1.50<br>0.00 | 60.87<br>-1.88<br>0.00  | 61.14<br>-1.92<br>0.00  | 55.66<br>-1.47<br>-2.18 | 43.78<br>-0.75<br>-15.40  | 56.28<br>-0.70<br>-26.38   | 47.94<br>-0.83<br>-8.62   | 42.48<br>-0.78<br>2.34    | 42.98<br>-0.72<br>0.71    | 36.37<br>-0.43<br>-0.60    | 37.94<br>-0.52<br>0.00    | 23.58<br>-0.36<br>-2.91    | 40.01<br>-0.73<br>-0.08   | 48.63<br>-0.94<br>-0.01   | 24.76<br>-0.48<br>-3.29   | 35.10<br>-0.75<br>-0.76  | 35.96<br>-0.86<br>-0.73 | 29.70<br>-0.84<br>-0.35 | 34.82<br>-1.16<br>0.00 |
| DUNWOD<br>61760 | 52.43<br>2.96<br>0.00    | 46.61<br>3.41<br>0.00   | 52.12<br>3.81<br>0.00  | 49.95<br>3.39<br>0.00  | 47.69<br>3.13<br>0.00  | 49.72<br>3.53<br>0.00  | 67.32<br>4.58<br>0.00   | 68.95<br>5.90<br>0.00   | 78.32<br>5.88<br>-17.49 | 204.50<br>3.25<br>-172.12 | 271.13<br>3.44<br>-237.09  | 221.19<br>4.74<br>-176.30 | 359.89<br>5.18<br>-309.11 | 354.33<br>5.48<br>-304.45 | 419.90<br>3.88<br>-379.82  | 161.89<br>3.49<br>-119.94 | 274.34<br>1.83<br>-251.49  | 188.21<br>3.61<br>-143.94 | 54.02<br>4.41<br>-0.05    | 50.43<br>2.04<br>-26.45   | 44.52<br>3.30<br>-6.14   | 45.32<br>3.33<br>-5.89  | 35.82<br>2.85<br>-2.78  | 39.00<br>3.02<br>0.00  |
| GENESE<br>61753 | 48.91<br>-0.57<br>0.00   | 41.86<br>-1.34<br>0.00  | 46.99<br>-1.31<br>0.00 | 45.64<br>-0.92<br>0.00 | 43.82<br>-0.75<br>0.00 | 45.13<br>-1.06<br>0.00 | 62.01<br>-0.73<br>0.00  | 61.48<br>-1.58<br>0.00  | 55.28<br>-1.85<br>-2.18 | 43.47<br>-1.10<br>-15.44  | 56.53<br>-1.21<br>-27.14   | 47.39<br>-1.60<br>-8.84   | 43.69<br>-1.89<br>0.03    | 42.60<br>-1.81<br>0.00    | 35.17<br>-1.03<br>0.00     | 37.75<br>-0.71<br>0.00    | 23.50<br>-0.49<br>-2.97    | 39.60<br>-1.06<br>0.00    | 48.09<br>-1.47<br>-0.01   | 24.41<br>-0.83<br>-3.30   | 34.50<br>-1.35<br>-0.76  | 35.34<br>-1.49<br>-0.73 | 29.16<br>-1.38<br>-0.35 | 34.60<br>-1.38<br>0.00 |
| H Q<br>61844    | 43.93<br>-0.53<br>5.02   | 42.61<br>-0.59<br>0.00  | 47.68<br>-0.63<br>0.00 | 45.95<br>-0.61<br>0.00 | 44.03<br>-0.54<br>0.00 | 45.63<br>-0.56<br>0.00 | 50.60<br>-0.45<br>11.70 | 62.44<br>-0.55<br>0.07  | 53.93<br>-0.89<br>0.13  | 88.59<br>-0.55<br>-60.00  | 138.72<br>-0.66<br>-108.79 | 40.01<br>-0.97<br>-0.83   | 44.24<br>-1.37<br>-0.01   | 43.11<br>-1.29<br>0.00    | 447.13<br>-1.09<br>-412.02 | 43.21<br>-1.01<br>-5.76   | 495.41<br>-0.63<br>-475.02 | 57.91<br>-0.90<br>-18.15  | 97.00<br>-1.18<br>-48.62  | 22.06<br>-0.48<br>-0.60   | 34.34<br>-0.70<br>0.05   | 35.39<br>-0.66<br>0.05  | 29.58<br>-0.59<br>0.02  | 35.52<br>-0.46<br>0.00 |
| HUD VL<br>61758 | 51.79<br>2.31<br>0.00    | 45.74<br>2.55<br>0.00   | 51.06<br>2.75<br>0.00  | 49.02<br>2.46<br>0.00  | 46.84<br>2.27<br>0.00  | 48.77<br>2.58<br>0.00  | 65.98<br>3.24<br>0.00   | 67.41<br>4.35<br>0.00   | 76.79<br>4.37<br>-17.47 | 194.45<br>2.40<br>-162.93 | 264.51<br>2.56<br>-231.35  | 200.21<br>3.53<br>-156.54 | 299.90<br>4.33<br>-249.97 | 131.95<br>4.25<br>-83.30  | 270.73<br>2.95<br>-231.58  | 41.21<br>2.75<br>0.00     | 63.33<br>1.59<br>-40.72    | 69.59<br>3.12<br>-25.82   | 53.25<br>3.65<br>-0.05    | 50.01<br>1.65<br>-26.42   | 43.85<br>2.64<br>-6.13   | 44.63<br>2.65<br>-5.89  | 35.23<br>2.26<br>-2.78  | 38.32<br>2.34<br>0.00  |
| LONGIL<br>61762 | 105.77<br>3.39<br>-52.89 | 88.06<br>4.10<br>-40.76 | 53.42<br>4.61<br>-0.51 | 50.69<br>4.13<br>0.00  | 55.94<br>3.82<br>-7.55 | 50.37<br>4.18<br>0.00  | 73.48<br>5.20<br>-5.54  | 88.15<br>6.36<br>-18.73 | 95.95<br>6.09<br>-34.91 | 211.42<br>3.26<br>-179.03 | 271.43<br>3.44<br>-237.39  | 225.62<br>4.62<br>-180.85 | 347.77<br>5.46<br>-296.71 | 350.43<br>5.43<br>-300.60 | 419.31<br>3.80<br>-379.30  | 164.61<br>3.15<br>-123.01 | 293.67<br>1.79<br>-270.85  | 207.27<br>3.37<br>-163.24 | 135.56<br>4.03<br>-81.98  | 127.88<br>1.87<br>-104.06 | 133.24<br>3.15<br>-95.01 | 94.44<br>3.30<br>-55.05 | 43.88<br>3.04<br>-10.65 | 43.85<br>3.33<br>-4.54 |
| MHK VL<br>61756 | 50.44<br>0.96<br>0.00    | 43.79<br>0.59<br>0.00   | 49.06<br>0.75<br>0.00  | 47.45<br>0.89<br>0.00  | 45.45<br>0.88<br>0.00  | 46.96<br>0.76<br>0.00  | 64.05<br>1.31<br>0.00   | 63.96<br>0.90<br>0.00   | 56.00<br>0.50<br>-0.55  | 33.63<br>0.31<br>-4.19    | 38.28<br>0.35<br>-7.34     | 43.28<br>0.42<br>-2.72    | 44.85<br>0.45<br>1.20     | 44.54<br>0.48<br>0.34     | 37.81<br>0.32<br>-1.29     | 38.91<br>0.45<br>0.00     | 22.20<br>0.27<br>-0.91     | 41.25<br>0.44<br>-0.15    | 50.06<br>0.50<br>0.00     | 22.95<br>0.17<br>-0.83    | 35.56<br>0.29<br>-0.19   | 36.54<br>0.27<br>-0.18  | 30.61<br>0.33<br>-0.09  | 36.61<br>0.63<br>0.00  |
| MILLWD<br>61759 | 51.74<br>2.26<br>0.00    | 45.94<br>2.74<br>0.00   | 51.37<br>3.06<br>0.00  | 49.25<br>2.69<br>0.00  | 47.03<br>2.46<br>0.00  | 49.02<br>2.83<br>0.00  | 66.39<br>3.64<br>0.00   | 67.97<br>4.91<br>0.00   | 77.24<br>4.98<br>-17.31 | 201.40<br>2.72<br>-169.55 | 266.58<br>2.91<br>-233.07  | 244.47<br>4.03<br>-200.30 | 442.23<br>4.65<br>-391.98 | 379.42<br>4.80<br>-330.22 | 411.35<br>3.27<br>-371.88  | 161.19<br>2.80<br>-119.94 | 273.17<br>1.57<br>-250.58  | 186.98<br>3.09<br>-143.23 | 53.33<br>3.72<br>-0.05    | 49.85<br>1.72<br>-26.18   | 43.96<br>2.80<br>-6.07   | 44.71<br>2.78<br>-5.83  | 35.33<br>2.39<br>-2.75  | 38.45<br>2.47<br>0.00  |
| N.Y.C.<br>61761 | 52.69<br>3.21<br>0.00    | 47.09<br>3.89<br>0.00   | 52.83<br>4.52<br>0.00  | 50.58<br>4.02<br>0.00  | 48.29<br>3.72<br>0.00  | 50.39<br>4.20<br>0.00  | 68.30<br>5.56<br>0.00   | 70.05<br>6.99<br>0.00   | 79.32<br>6.85<br>-17.51 | 205.04<br>3.64<br>-172.27 | 271.59<br>3.83<br>-237.17  | 216.10<br>5.17<br>-170.78 | 348.17<br>5.88<br>-296.69 | 351.10<br>6.10<br>-300.60 | 419.66<br>4.15<br>-379.30  | 161.85<br>3.46<br>-119.94 | 274.44<br>1.92<br>-251.49  | 188.28<br>3.68<br>-143.94 | 53.99<br>4.39<br>-0.05    | 50.57<br>2.13<br>-26.49   | 44.78<br>3.55<br>-6.15   | 45.64<br>3.64<br>-5.90  | 36.21<br>3.23<br>-2.78  | 39.58<br>3.60<br>0.00  |
| NORTH<br>61755  | 49.24<br>-0.24<br>0.00   | 42.75<br>-0.44<br>0.00  | 47.84<br>-0.47<br>0.00 | 46.16<br>-0.40<br>0.00 | 44.26<br>-0.30<br>0.00 | 45.77<br>-0.42<br>0.00 | 62.67<br>-0.07<br>0.00  | 62.43<br>-0.63<br>0.00  | 53.59<br>-1.16<br>0.20  | 26.86<br>-0.66<br>1.61    | 26.23<br>-0.77<br>3.60     | 38.31<br>-1.17<br>0.67    | 44.09<br>-1.52<br>-0.01   | 42.93<br>-1.47<br>0.00    | 34.99<br>-1.21<br>0.00     | 37.28<br>-1.17<br>0.00    | 19.92<br>-0.68<br>0.43     | 39.56<br>-1.10<br>0.00    | 48.16<br>-1.39<br>0.00    | 21.05<br>-0.59<br>0.31    | 34.13<br>-0.88<br>0.07   | 35.15<br>-0.87<br>0.07  | 29.43<br>-0.73<br>0.03  | 35.67<br>-0.31<br>0.00 |
| NPX<br>61845    | 46.90<br>1.54<br>4.12    | 44.29<br>1.09<br>0.00   | 49.44<br>1.13<br>0.00  | 47.76<br>1.20<br>0.00  | 45.80<br>1.23<br>0.00  | 47.26<br>1.07<br>0.00  | 53.32<br>1.46<br>10.88  | 64.20<br>1.20<br>0.06   | 76.54<br>0.80<br>-20.79 | 196.96<br>0.56<br>-167.27 | 345.66<br>0.59<br>-314.47  | 161.27<br>0.67<br>-120.46 | 128.25<br>0.55<br>-82.10  | 71.17<br>0.36<br>-26.40   | 985.64<br>0.12<br>-949.32  | 52.44<br>0.48<br>-13.50   | 900.35<br>0.30<br>-879.02  | 460.38<br>0.58<br>-419.14 | 251.85<br>0.82<br>-201.47 | 56.68<br>0.37<br>-34.36   | 42.90<br>0.52<br>-7.29   | 43.70<br>0.60<br>-7.01  | 34.19<br>0.69<br>-3.30  | 37.14<br>1.16<br>0.00  |

|               |       |       |       |       |       |       |       |       |       |         |         |        |         |       |         |         |         |         |        |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|--------|---------|-------|---------|---------|---------|---------|--------|-------|-------|-------|-------|-------|
| OH<br>61846   | 35.08 | 41.24 | 46.74 | 45.07 | 42.98 | 44.51 | 48.73 | 62.15 | 57.60 | 144.21  | 160.42  | 50.79  | 38.71   | 41.59 | 579.18  | 481.51  | 755.77  | 388.55  | 100.82 | 26.59 | 35.53 | 36.19 | 29.65 | 34.15 |
|               | -2.37 | -1.91 | -1.57 | -1.49 | -1.59 | -1.41 | -1.73 | -0.83 | -0.15 | -0.56   | -1.04   | -1.34  | -1.16   | -1.14 | -0.33   | -0.51   | -0.53   | -0.78   | -0.92  | -0.38 | -0.54 | -0.85 | -0.99 | -1.83 |
|               | 12.03 | 0.05  | 0.00  | 0.00  | 0.00  | 0.27  | 12.29 | 0.08  | -2.80 | -115.64 | -130.86 | -11.99 | 5.74    | 1.67  | -543.31 | -443.57 | -735.28 | -348.68 | -52.19 | -5.02 | -0.98 | -0.94 | -0.44 | 0.00  |
| PJM<br>61847  | 41.88 | 41.61 | 46.59 | 44.69 | 42.71 | 44.61 | 50.08 | 62.05 | 58.41 | 149.26  | 174.41  | 55.09  | 493.51  | 48.46 | 838.55  | 849.01  | 778.02  | 391.17  | 103.01 | 28.09 | 36.05 | 36.83 | 30.20 | 35.49 |
|               | -2.21 | -1.59 | -1.72 | -1.87 | -1.86 | -1.58 | -2.04 | -0.95 | -0.22 | -0.27   | -0.43   | -0.60  | -0.37   | -0.27 | -0.08   | -0.36   | -0.30   | -0.46   | -0.61  | -0.25 | -0.32 | -0.50 | -0.58 | -0.49 |
|               | 5.40  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 10.63 | 0.07  | -3.69 | -120.40 | -144.24 | -15.54 | -448.28 | -4.33 | -802.43 | -810.92 | -757.29 | -350.97 | -54.07 | -6.40 | -1.29 | -1.24 | -0.59 | 0.00  |
| WEST<br>61752 | 46.54 | 40.79 | 46.18 | 44.52 | 42.43 | 44.21 | 60.27 | 61.59 | 57.08 | 47.55   | 62.31   | 49.29  | 42.76   | 42.51 | 35.66   | 37.86   | 23.97   | 39.56   | 48.25  | 25.53 | 35.24 | 35.92 | 29.34 | 33.68 |
|               | -2.94 | -2.41 | -2.13 | -2.03 | -2.14 | -1.99 | -2.48 | -1.47 | -0.61 | -0.81   | -1.40   | -1.70  | -1.60   | -1.51 | -0.50   | -0.59   | -0.64   | -1.10   | -1.31  | -0.56 | -0.80 | -1.10 | -1.29 | -2.30 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.74 | -19.23  | -33.11  | -10.84 | 1.24    | 0.38  | 0.05    | 0.00    | -3.59   | 0.00    | -0.01  | -4.14 | -0.96 | -0.92 | -0.44 | 0.00  |