

## Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

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

## Zonal Data

12/25/2005

| 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          | 48.25  | 59.53  | 43.40  | 34.02  | 36.95  | 58.25  | 52.51  | 39.93  | 34.51  | 68.06  | 70.48  | 50.47  | 47.06  | 145.93 | 52.81  | 88.09  | 119.83 | 54.68  | 60.25  | 143.65 | 101.34 | 108.70 | 80.82 | 56.04  |
| 61757           | 1.63   | 1.94   | 1.39   | 1.10   | 1.19   | 1.87   | 1.76   | 1.36   | 1.27   | 2.70   | 2.81   | 1.96   | 1.77   | 5.70   | 2.04   | 3.37   | 4.90   | 2.44   | 2.64   | 6.13   | 4.26   | 3.93   | 2.81  | 1.76   |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.31   | 0.27   | 0.12   | 0.04   | 1.17   | 0.12   | 0.71   | 1.06   | 0.06   | 0.00   | 0.97   | 0.73   | 0.96   | 0.14  | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
|                 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |
| CENTRL<br>61754 | 44.55  | 55.09  | 40.17  | 31.41  | 34.22  | 54.10  | 48.69  | 36.97  | 31.86  | 62.40  | 64.60  | 46.30  | 43.20  | 133.49 | 48.52  | 80.70  | 109.73 | 50.52  | 55.64  | 131.41 | 92.75  | 99.78  | 74.60 | 52.11  |
|                 | -2.07  | -2.51  | -1.84  | -1.50  | -1.55  | -2.27  | -2.06  | -1.60  | -1.37  | -2.85  | -2.97  | -2.17  | -2.08  | -5.67  | -2.14  | -3.37  | -4.24  | -1.67  | -1.97  | -5.22  | -3.67  | -4.13  | -3.28 | -2.18  |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.42   | 0.37   | 0.16   | 0.05   | 2.24   | 0.22   | 1.37   | 2.02   | 0.11   | 0.00   | 1.86   | 1.39   | 1.81   | 0.27  | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| DUNWOD<br>61760 | 49.17  | 60.59  | 44.23  | 34.68  | 37.61  | 59.38  | 53.65  | 40.71  | 35.17  | 69.33  | 71.72  | 51.31  | 47.95  | 148.30 | 53.84  | 89.47  | 121.65 | 55.93  | 61.66  | 146.46 | 103.16 | 110.55 | 82.66 | 57.33  |
|                 | 2.55   | 3.00   | 2.22   | 1.76   | 1.86   | 3.00   | 2.90   | 2.14   | 1.93   | 4.06   | 4.13   | 2.83   | 2.66   | 8.36   | 3.10   | 4.93   | 6.98   | 3.70   | 4.04   | 9.18   | 6.27   | 6.02   | 4.69  | 3.04   |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.40   | 0.35   | 0.15   | 0.05   | 1.46   | 0.15   | 0.89   | 1.32   | 0.07   | 0.00   | 1.21   | 0.91   | 1.19   | 0.18  | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| GENESE<br>61753 | 42.86  | 52.89  | 38.59  | 30.14  | 32.87  | 52.05  | 46.86  | 35.71  | 29.95  | 40.29  | 63.83  | 45.28  | 38.06  | 137.11 | 47.30  | 83.86  | 114.76 | 48.81  | 53.12  | 133.91 | 95.07  | 103.92 | 72.04 | 49.98  |
|                 | -3.76  | -4.71  | -3.42  | -2.78  | -2.89  | -4.33  | -3.89  | -2.86  | -2.78  | -6.06  | -6.19  | -4.28  | -4.09  | -12.57 | -4.41  | -6.74  | -8.89  | -3.91  | -4.50  | -11.62 | -8.02  | -8.72  | -7.13 | -4.30  |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.51   | 19.31  | -2.08  | -0.92  | 3.18   | -8.28  | -0.83  | -5.16  | -7.67  | -0.41  | 0.00   | -7.03  | -5.29  | -6.92  | -1.02 | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| H Q<br>61844    | 45.00  | 63.67  | 55.01  | 55.01  | 56.14  | 55.01  | 51.00  | 38.76  | 33.38  | 55.00  | 59.00  | 70.01  | 70.01  | 65.01  | 70.01  | 55.01  | 116.33 | 52.18  | 57.50  | 138.50 | 97.85  | 70.00  | 78.64 | 54.66  |
|                 | 0.21   | 0.19   | 0.17   | 0.14   | 0.15   | 0.05   | 0.25   | 0.19   | 0.14   | 0.06   | 0.11   | 0.12   | 0.15   | 0.13   | 0.10   | 0.12   | 0.35   | -0.12  | -0.11  | 0.01   | 0.04   | 0.40   | 0.49  | 0.37   |
|                 | -3.27  | -31.09 | -26.64 | -31.33 | -33.95 | -44.01 | 0.00   | 0.00   | 0.00   | -23.95 | -30.86 | -40.93 | -44.69 | -35.87 | -46.60 | -29.21 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -3.30  | 0.00  | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| HUD VL<br>61758 | 48.97  | 60.34  | 44.08  | 34.58  | 37.55  | 59.25  | 53.50  | 40.60  | 35.09  | 69.11  | 71.47  | 51.14  | 47.77  | 147.70 | 53.59  | 89.10  | 121.17 | 55.67  | 61.36  | 145.77 | 102.71 | 110.11 | 82.27 | 57.03  |
|                 | 2.35   | 2.75   | 2.07   | 1.67   | 1.79   | 2.88   | 2.75   | 2.03   | 1.85   | 3.85   | 3.89   | 2.66   | 2.49   | 7.75   | 2.86   | 4.56   | 6.50   | 3.44   | 3.75   | 8.48   | 5.81   | 5.58   | 4.30  | 2.75   |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.40   | 0.35   | 0.15   | 0.05   | 1.46   | 0.15   | 0.89   | 1.32   | 0.07   | 0.00   | 1.21   | 0.91   | 1.19   | 0.18  | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| LONGIL<br>61762 | 82.54  | 90.17  | 87.75  | 81.47  | 89.23  | 98.57  | 84.93  | 87.36  | 89.03  | 150.03 | 93.39  | 91.67  | 91.32  | 165.46 | 92.49  | 95.34  | 126.70 | 86.53  | 94.43  | 158.91 | 104.41 | 111.90 | 91.14 | 83.34  |
|                 | 3.78   | 4.55   | 3.44   | 2.71   | 2.84   | 4.50   | 4.41   | 3.28   | 2.84   | 5.56   | 5.55   | 3.84   | 3.75   | 10.57  | 4.17   | 6.06   | 8.17   | 4.66   | 5.15   | 11.23  | 7.52   | 7.38   | 6.04  | 4.35   |
|                 | -32.13 | -28.02 | -42.29 | -45.85 | -50.64 | -37.70 | -29.77 | -45.52 | -52.95 | -78.80 | -19.89 | -39.20 | -42.24 | -13.49 | -37.43 | -3.84  | -2.54  | -29.57 | -31.66 | -9.18  | 0.91   | 1.19   | -6.95 | -24.71 |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| MHK VL<br>61756 | 46.66  | 57.58  | 41.96  | 32.85  | 35.70  | 56.35  | 50.81  | 38.65  | 33.38  | 65.95  | 68.28  | 48.84  | 45.51  | 141.95 | 51.07  | 85.81  | 116.81 | 52.80  | 58.14  | 139.52 | 98.48  | 106.28 | 78.37 | 54.35  |
|                 | 0.03   | -0.02  | -0.05  | -0.06  | -0.06  | -0.03  | 0.06   | 0.08   | 0.13   | 0.28   | 0.34   | 0.21   | 0.18   | 0.55   | 0.19   | 0.38   | 0.83   | 0.50   | 0.52   | 1.02   | 0.67   | 0.56   | 0.22  | 0.06   |
|                 | 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   | 0.00  | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| MILLWD<br>61759 | 49.11  | 60.49  | 44.18  | 34.64  | 37.59  | 59.33  | 53.60  | 40.68  | 35.16  | 69.30  | 71.66  | 51.28  | 47.91  | 148.15 | 53.77  | 89.38  | 121.56 | 55.88  | 61.58  | 146.30 | 103.06 | 110.40 | 82.52 | 57.21  |
|                 | 2.49   | 2.90   | 2.17   | 1.72   | 1.84   | 2.95   | 2.85   | 2.11   | 1.92   | 4.03   | 4.07   | 2.81   | 2.63   | 8.21   | 3.03   | 4.84   | 6.89   | 3.64   | 3.96   | 9.02   | 6.16   | 5.87   | 4.55  | 2.92   |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.40   | 0.35   | 0.15   | 0.05   | 1.46   | 0.15   | 0.89   | 1.32   | 0.07   | 0.00   | 1.21   | 0.91   | 1.19   | 0.18  | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |
| N.Y.C.<br>61761 | 49.31  | 60.71  | 44.33  | 34.73  | 37.68  | 59.46  | 53.76  | 40.78  | 35.24  | 69.51  | 71.90  | 58.75  | 54.63  | 151.52 | 58.51  | 89.74  | 122.55 | 69.30  | 73.25  | 148.01 | 103.57 | 110.95 | 85.73 | 57.57  |
|                 | 2.69   | 3.11   | 2.32   | 1.82   | 1.92   | 3.08   | 3.02   | 2.21   | 2.00   | 4.24   | 4.31   | 2.96   | 2.81   | 8.82   | 3.28   | 5.19   | 7.37   | 3.92   | 4.28   | 9.74   | 6.67   | 6.43   | 5.13  | 3.28   |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.40   | 0.35   | -7.15  | -6.50  | -1.30  | -4.34  | 0.89   | 0.81   | -13.08 | -11.35 | 0.22   | 0.91   | 1.19   | -2.46 | 0.00   |
|                 | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      |

|                |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |       |        |        |        |        |       |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|-------|
| NORTH<br>61755 | 46.95  | 58.05  | 42.33  | 33.13  | 35.95  | 56.71  | 51.06  | 38.82  | 33.43  | 65.94  | 68.26  | 49.00  | 45.74 | 142.51 | 51.23  | 85.97  | 116.47 | 52.30  | 57.62 | 138.68 | 97.89  | 106.58 | 79.12  | 54.95 |
|                | 0.33   | 0.45   | 0.31   | 0.21   | 0.19   | 0.33   | 0.32   | 0.26   | 0.19   | 0.27   | 0.33   | 0.37   | 0.41  | 1.11   | 0.34   | 0.53   | 0.48   | 0.00   | 0.00  | 0.18   | 0.08   | 0.86   | 0.97   | 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   | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   |       |
|                | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N     |
| NPX<br>61845   | 94.44  | 94.00  | 85.00  | 75.45  | 75.00  | 55.77  | 69.33  | 65.01  | 67.00  | 60.00  | 60.00  | 65.00  | 47.30 | 50.00  | 55.00  | 29.99  | 56.01  | 68.00  | 72.00 | 144.39 | 101.86 | 109.09 | 81.29  | 56.46 |
|                | 1.85   | 1.56   | 1.25   | 1.00   | 0.90   | 0.40   | 0.82   | 1.14   | 2.03   | 1.63   | 1.28   | 1.30   | 2.01  | 1.47   | 1.25   | 1.15   | 2.01   | 2.12   | 3.29  | 6.86   | 4.78   | 4.32   | 3.29   | 2.17  |
|                | -51.06 | -60.06 | -55.55 | -50.91 | -52.07 | -44.42 | -46.53 | -36.94 | -25.29 | -27.38 | -30.69 | -34.74 | 0.04  | -19.52 | -30.45 | -3.16  | -9.10  | -24.31 | -4.56 | 0.97   | 0.73   | 0.96   | 0.14   | 0.00  |
|                | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N     |
| O H<br>61846   | 40.50  | 50.13  | 36.53  | 19.99  | 31.04  | 49.20  | 44.00  | 33.41  | 27.70  | 28.36  | 33.42  | 30.42  | 34.72 | 37.81  | 34.29  | 23.98  | 26.52  | 40.48  | 48.66 | 50.50  | 33.25  | 24.98  | 56.22  | 47.00 |
|                | -6.13  | -7.46  | -5.48  | -3.15  | -4.72  | -7.17  | -6.75  | -5.16  | -5.07  | -11.32 | -11.55 | -8.05  | -7.64 | -24.39 | -8.76  | -13.24 | -18.00 | -8.00  | -8.95 | -22.46 | -15.27 | -16.21 | -12.43 | -7.28 |
|                | 0.00   | 0.00   | 0.00   | 0.40   | 0.00   | 0.00   | 0.00   | 0.00   | 0.48   | 25.98  | 22.97  | 10.16  | 2.97  | 79.20  | 7.83   | 48.22  | 71.46  | 3.82   | 0.00  | 65.54  | 49.29  | 64.53  | 9.50   | 0.00  |
|                | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N     |
| PJM<br>61847   | 40.49  | 50.74  | 37.04  | 20.15  | 31.72  | 50.54  | 45.27  | 33.80  | 29.20  | 45.57  | 48.83  | 37.57  | 38.02 | 86.40  | 40.76  | 51.71  | 22.00  | 40.00  | 51.13 | 89.70  | 61.91  | 61.22  | 3.16   | 15.00 |
|                | -6.14  | -6.85  | -4.97  | -2.99  | -4.04  | -5.84  | -5.48  | -4.76  | -3.82  | -7.59  | -8.06  | -6.17  | -5.88 | -15.89 | -6.26  | -9.95  | -4.42  | -3.21  | -6.49 | -16.47 | -11.58 | -12.67 | -5.90  | -6.53 |
|                | 0.00   | 0.00   | 0.00   | 0.40   | 0.00   | 0.00   | 0.00   | 0.00   | 0.23   | 12.50  | 11.05  | 4.89   | 1.43  | 39.11  | 3.86   | 23.77  | 18.48  | -1.64  | 0.00  | 32.32  | 24.31  | 31.83  | 53.71  | 28.12 |
|                | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N     |
| WEST<br>61752  | 40.67  | 50.43  | 36.77  | 28.63  | 31.30  | 49.69  | 44.44  | 33.65  | 28.11  | 31.13  | 35.93  | 31.69  | 35.43 | 45.62  | 35.43  | 28.64  | 33.46  | 41.45  | 49.30 | 57.18  | 38.19  | 31.18  | 57.79  | 47.37 |
|                | -5.95  | -7.16  | -5.24  | -4.28  | -4.46  | -6.68  | -6.31  | -4.92  | -4.69  | -10.36 | -10.63 | -7.49  | -7.14 | -22.61 | -8.23  | -12.38 | -16.70 | -7.33  | -8.31 | -20.94 | -14.22 | -15.10 | -11.60 | -6.92 |
|                | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.44   | 24.18  | 21.37  | 9.45   | 2.76  | 73.17  | 7.22   | 44.41  | 65.82  | 3.52   | 0.00  | 60.37  | 45.40  | 59.44  | 8.75   | 0.00  |
|                | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N      | N     | N      | N      | N      | N      | N     |