

## Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

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

## Zonal Data

04/02/2013

| 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          | 40.13  | 35.54 | 35.37 | 33.76 | 28.28 | 37.11 | 45.25 | 42.72 | 46.54 | 44.12 | 62.89  | 57.37 | 61.86 | 79.34  | 62.08  | 46.63 | 46.02 | 70.39  | 64.16  | 100.97 | 45.78 | 49.16 | 58.02 | 45.59 |
| 61757           | 1.67   | 2.22  | 2.07  | 1.87  | 1.64  | 2.25  | 2.70  | 2.75  | 2.91  | 2.76  | 3.32   | 3.53  | 3.61  | 2.53   | 2.07   | 2.58  | 2.63  | 2.34   | 2.25   | 2.31   | 2.89  | 3.26  | 3.47  | 2.47  |
|                 | -14.79 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.58 | -2.80 | -14.15 | -3.25 | -6.52 | -41.18 | -30.42 | -6.57 | -4.91 | -34.17 | -29.35 | -67.09 | -1.56 | -0.01 | -5.65 | 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 | 24.91  | 33.35 | 33.25 | 31.93 | 26.64 | 34.99 | 42.73 | 39.98 | 40.53 | 39.03 | 46.87  | 51.15 | 52.43 | 39.20  | 32.23  | 38.02 | 38.80 | 36.71  | 34.99  | 37.27  | 41.53 | 46.04 | 49.49 | 42.97 |
|                 | -0.01  | 0.03  | -0.05 | 0.04  | 0.01  | 0.13  | 0.18  | 0.01  | 0.18  | 0.24  | 0.27   | 0.28  | 0.16  | 0.14   | 0.10   | -0.01 | -0.08 | 0.01   | 0.02   | 0.09   | 0.07  | 0.15  | 0.11  | -0.16 |
|                 | -1.25  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.30 | -0.23 | -1.18  | -0.27 | -0.54 | -3.43  | -2.54  | -0.54 | -0.40 | -2.82  | -2.42  | -5.61  | -0.13 | 0.00  | -0.48 | 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 | 35.05  | 35.81 | 35.64 | 34.06 | 28.52 | 37.44 | 46.30 | 43.89 | 46.67 | 44.68 | 59.59  | 58.45 | 61.83 | 65.72  | 52.26  | 45.99 | 46.07 | 59.33  | 54.69  | 77.29  | 46.79 | 51.03 | 57.54 | 46.80 |
|                 | 1.86   | 2.49  | 2.35  | 2.17  | 1.89  | 2.58  | 3.75  | 3.92  | 4.35  | 4.35  | 5.25   | 5.82  | 5.99  | 4.12   | 3.48   | 4.37  | 4.50  | 3.91   | 3.65   | 3.43   | 4.48  | 5.14  | 5.07  | 3.67  |
|                 | -9.52  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.27 | -1.77 | -8.92  | -2.05 | -4.11 | -25.97 | -19.19 | -4.14 | -3.10 | -21.54 | -18.50 | -42.28 | -0.98 | 0.00  | -3.56 | 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 | 24.43  | 33.12 | 33.05 | 31.84 | 26.49 | 34.80 | 42.13 | 39.05 | 39.48 | 38.16 | 45.58  | 50.16 | 51.29 | 37.71  | 31.06  | 36.96 | 37.72 | 35.28  | 33.62  | 35.23  | 40.67 | 45.01 | 48.56 | 42.39 |
|                 | -0.19  | -0.20 | -0.24 | -0.05 | -0.14 | -0.07 | -0.42 | -0.93 | -0.80 | -0.59 | -0.75  | -0.64 | -0.86 | -0.54  | -0.47  | -0.94 | -1.07 | -0.77  | -0.80  | -0.62  | -0.76 | -0.88 | -0.71 | -0.74 |
|                 | -0.95  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.23 | -0.18 | -0.91  | -0.21 | -0.42 | -2.62  | -1.94  | -0.42 | -0.31 | -2.18  | -1.87  | -4.28  | -0.10 | 0.00  | -0.36 | 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    | 23.51  | 33.14 | 33.22 | 31.80 | 26.55 | 34.69 | 42.21 | 39.63 | 39.54 | 37.98 | 44.73  | 49.84 | 51.00 | 35.10  | 29.13  | 36.98 | 38.01 | 33.43  | 32.14  | 31.14  | 40.85 | 45.32 | 48.41 | 42.76 |
|                 | -0.16  | -0.18 | -0.08 | -0.09 | -0.09 | -0.17 | -0.34 | -0.34 | -0.51 | -0.59 | -0.69  | -0.75 | -0.72 | -0.52  | -0.46  | -0.49 | -0.47 | -0.45  | -0.40  | -0.43  | -0.49 | -0.57 | -0.50 | -0.36 |
|                 | 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     |
| HUD VL<br>61758 | 35.76  | 36.85 | 36.79 | 35.24 | 29.53 | 38.82 | 47.97 | 45.15 | 47.81 | 45.74 | 60.76  | 59.63 | 63.00 | 66.70  | 53.03  | 46.81 | 46.93 | 60.28  | 55.64  | 78.56  | 47.84 | 51.96 | 58.53 | 47.72 |
|                 | 2.47   | 3.53  | 3.49  | 3.35  | 2.90  | 3.96  | 5.42  | 5.18  | 5.48  | 5.40  | 6.36   | 6.98  | 7.12  | 4.90   | 4.10   | 5.16  | 5.34  | 4.69   | 4.44   | 4.32   | 5.52  | 6.07  | 6.04  | 4.60  |
|                 | -9.61  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.29 | -1.78 | -8.98  | -2.06 | -4.14 | -26.17 | -19.34 | -4.18 | -3.12 | -21.71 | -18.65 | -42.66 | -0.99 | 0.00  | -3.59 | 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 | 35.32  | 36.04 | 35.83 | 34.19 | 28.73 | 37.87 | 47.21 | 44.56 | 47.25 | 45.19 | 60.24  | 58.92 | 62.56 | 66.22  | 52.59  | 46.39 | 46.43 | 59.63  | 55.16  | 77.52  | 47.35 | 51.96 | 58.39 | 47.43 |
|                 | 2.13   | 2.72  | 2.53  | 2.30  | 2.10  | 3.01  | 4.66  | 4.59  | 4.93  | 4.87  | 5.90   | 6.29  | 6.73  | 4.62   | 3.81   | 4.77  | 4.86  | 4.21   | 4.11   | 3.65   | 5.04  | 6.06  | 5.92  | 4.30  |
|                 | -9.52  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.27 | -1.77 | -8.92  | -2.05 | -4.11 | -25.98 | -19.20 | -4.14 | -3.10 | -21.54 | -18.50 | -42.29 | -0.98 | 0.00  | -3.56 | 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     |
| MHK VL<br>61756 | 25.54  | 34.41 | 34.35 | 32.91 | 27.52 | 36.17 | 44.49 | 41.80 | 42.19 | 40.78 | 48.69  | 54.87 | 56.31 | 41.56  | 34.29  | 41.06 | 41.95 | 39.15  | 37.41  | 39.10  | 43.52 | 48.09 | 51.82 | 44.45 |
|                 | 0.77   | 1.08  | 1.05  | 1.02  | 0.89  | 1.30  | 1.93  | 1.83  | 1.86  | 1.76  | 2.08   | 2.29  | 2.32  | 1.59   | 1.27   | 1.59  | 1.59  | 1.48   | 1.43   | 1.47   | 1.94  | 2.07  | 1.90  | 1.33  |
|                 | -1.10  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.28 | -0.45 | -1.19  | -1.99 | -2.26 | -4.34  | -3.43  | -1.99 | -1.88 | -3.80  | -3.44  | -6.06  | -0.25 | -0.13 | -1.01 | 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 | 35.23  | 35.86 | 35.70 | 34.12 | 28.58 | 37.55 | 46.47 | 44.06 | 46.84 | 44.81 | 59.85  | 58.60 | 62.01 | 66.19  | 52.61  | 46.12 | 46.19 | 59.73  | 55.06  | 78.04  | 46.97 | 51.18 | 57.73 | 46.88 |
|                 | 1.90   | 2.54  | 2.40  | 2.23  | 1.95  | 2.68  | 3.92  | 4.09  | 4.49  | 4.46  | 5.37   | 5.94  | 6.11  | 4.20   | 3.54   | 4.44  | 4.57  | 3.99   | 3.74   | 3.56   | 4.64  | 5.28  | 5.21  | 3.76  |
|                 | -9.65  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.31 | -1.79 | -9.06  | -2.08 | -4.17 | -26.37 | -19.49 | -4.21 | -3.14 | -21.86 | -18.77 | -42.91 | -1.00 | 0.00  | -3.62 | 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 | 35.06  | 35.81 | 35.66 | 34.08 | 28.53 | 37.42 | 46.36 | 44.00 | 46.82 | 44.87 | 59.81  | 58.72 | 62.13 | 65.90  | 52.44  | 46.20 | 46.26 | 59.46  | 54.77  | 77.34  | 46.87 | 51.18 | 57.67 | 46.95 |
|                 | 1.87   | 2.49  | 2.37  | 2.20  | 1.90  | 2.56  | 3.81  | 4.03  | 4.50  | 4.54  | 5.47   | 6.09  | 6.29  | 4.30   | 3.66   | 4.58  | 4.69  | 4.04   | 3.72   | 3.47   | 4.56  | 5.29  | 5.20  | 3.83  |
|                 | -9.52  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.27 | -1.77 | -8.92  | -2.05 | -4.11 | -25.97 | -19.20 | -4.14 | -3.10 | -21.54 | -18.50 | -42.29 | -0.98 | 0.00  | -3.56 | 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 | 23.02  | 32.98 | 33.30 | 31.89 | 26.57  | 34.58 | 41.79 | 39.19  | 38.69 | 35.33 | 42.42  | 36.98 | 37.95 | 24.25  | 19.61  | 26.61 | 27.66 | 23.25  | 22.13  | 20.42  | 39.22 | 43.55 | 43.44 | 42.21  |
|                | -0.33  | -0.34 | 0.01  | 0.00  | -0.07  | -0.29 | -0.76 | -0.78  | -1.29 | -1.56 | -1.76  | -1.97 | -1.86 | -1.33  | -1.16  | -1.23 | -1.23 | -1.17  | -1.06  | -1.13  | -1.20 | -1.47 | -1.31 | -0.92  |
|                | 0.33   | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00   | 0.08  | 1.67  | 1.24   | 11.64 | 11.92 | 10.04  | 8.82   | 9.63  | 9.60  | 9.46   | 9.36   | 10.02  | 0.90  | 0.88  | 4.15  | 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   | 38.20  | 35.77 | 35.58 | 33.94 | 28.43  | 37.29 | 45.74 | 43.23  | 46.67 | 44.45 | 61.77  | 57.97 | 62.09 | 74.08  | 58.31  | 46.53 | 46.20 | 66.16  | 60.56  | 60.01  | 46.29 | 49.95 | 58.08 | 52.27  |
|                | 1.86   | 2.45  | 2.28  | 2.05  | 1.79   | 2.43  | 3.19  | 3.26   | 3.56  | 3.50  | 4.28   | 4.61  | 4.80  | 3.34   | 2.77   | 3.45  | 3.55  | 3.16   | 3.00   | 2.82   | 3.63  | 4.06  | 4.35  | 2.82   |
|                | -12.66 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00   | -3.06 | -2.39 | -12.06 | -2.77 | -5.56 | -35.11 | -25.95 | -5.60 | -4.18 | -29.12 | -25.01 | -26.91 | -1.33 | 0.00  | -4.82 | -11.27 |
|                | 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   | 24.01  | 32.15 | 32.09 | 30.99 | 38.00  | 33.66 | 40.34 | 52.86  | 37.53 | 36.28 | 43.56  | 47.62 | 48.77 | 36.87  | 30.20  | 35.13 | 35.88 | 34.39  | 32.59  | 35.06  | 38.46 | 42.89 | 46.64 | 47.66  |
|                | -0.96  | -1.18 | -1.20 | -0.89 | -0.80  | -1.20 | -2.21 | -3.41  | -2.84 | -2.53 | -3.10  | -3.25 | -3.53 | -2.34  | -2.03  | -2.92 | -3.03 | -2.46  | -2.51  | -2.35  | -3.01 | -3.00 | -2.75 | -1.79  |
|                | -1.29  | 0.00  | 0.00  | 0.00  | -14.33 | 0.00  | 0.00  | -16.76 | -0.31 | -0.24 | -1.24  | -0.28 | -0.57 | -3.58  | -2.65  | -0.57 | -0.43 | -2.97  | -2.55  | -5.83  | -0.14 | 0.00  | -0.49 | -11.27 |
|                | 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   | 30.58  | 34.25 | 34.13 | 32.74 | 27.31  | 35.88 | 44.03 | 41.34  | 43.30 | 41.53 | 53.47  | 54.33 | 56.82 | 54.39  | 43.61  | 41.89 | 42.26 | 49.64  | 46.14  | 60.72  | 43.65 | 48.02 | 53.37 | 54.02  |
|                | 0.66   | 0.93  | 0.83  | 0.85  | 0.68   | 1.01  | 1.48  | 1.37   | 1.75  | 1.80  | 2.18   | 2.40  | 2.39  | 1.67   | 1.39   | 1.68  | 1.75  | 1.58   | 1.42   | 1.31   | 1.67  | 2.12  | 2.12  | 1.30   |
|                | -6.25  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00   | -1.49 | -1.16 | -5.87  | -1.35 | -2.70 | -17.09 | -12.63 | -2.73 | -2.04 | -14.18 | -12.17 | -27.83 | -0.65 | 0.00  | -2.35 | -11.27 |
|                | 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  | 24.39  | 32.79 | 32.75 | 31.65 | 26.18  | 34.42 | 41.15 | 37.58  | 38.10 | 36.86 | 44.19  | 48.49 | 49.55 | 37.26  | 30.54  | 35.60 | 36.34 | 34.69  | 32.89  | 35.24  | 39.16 | 43.73 | 47.52 | 41.49  |
|                | -0.50  | -0.53 | -0.55 | -0.25 | -0.45  | -0.45 | -1.40 | -2.39  | -2.25 | -1.94 | -2.41  | -2.37 | -2.72 | -1.77  | -1.57  | -2.42 | -2.55 | -2.01  | -2.08  | -1.87  | -2.29 | -2.16 | -1.85 | -1.63  |
|                | -1.23  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00   | -0.30 | -0.23 | -1.18  | -0.27 | -0.54 | -3.41  | -2.52  | -0.54 | -0.40 | -2.82  | -2.42  | -5.54  | -0.13 | 0.00  | -0.47 | 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      |