

## Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

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

## Zonal Data

04/15/2012

| 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          | 17.81 | 22.03 | 19.84 | 18.64 | 18.17 | 17.82 | 16.29 | 17.62 | 18.34 | 17.71 | 19.20 | 23.35 | 24.85 | 19.61 | 18.41 | 18.81 | 18.85 | 18.61 | 19.90 | 24.36 | 27.55 | 19.07 | 17.78 | 16.12 |
| 61757           | 0.98  | 1.11  | 0.95  | 0.89  | 0.85  | 0.79  | 0.59  | 0.66  | 0.85  | 0.90  | 1.01  | 1.27  | 1.34  | 1.07  | 0.97  | 0.95  | 0.96  | 0.97  | 1.06  | 1.36  | 1.51  | 1.04  | 0.92  | 0.75  |
|                 | 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     |
|                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CENTRL<br>61754 | 17.06 | 21.23 | 19.14 | 17.95 | 17.54 | 17.29 | 16.07 | 17.38 | 18.00 | 17.22 | 18.65 | 22.64 | 24.07 | 18.95 | 17.83 | 18.21 | 18.21 | 17.95 | 19.21 | 23.49 | 26.62 | 18.37 | 17.17 | 15.78 |
|                 | 0.24  | 0.31  | 0.24  | 0.20  | 0.22  | 0.26  | 0.37  | 0.41  | 0.50  | 0.41  | 0.46  | 0.56  | 0.56  | 0.40  | 0.39  | 0.36  | 0.32  | 0.31  | 0.37  | 0.48  | 0.58  | 0.34  | 0.32  | 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  | 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     |
| DUNWOD<br>61760 | 18.06 | 22.21 | 19.97 | 18.72 | 18.24 | 17.89 | 16.48 | 17.94 | 18.65 | 18.02 | 19.58 | 23.83 | 25.45 | 20.12 | 18.93 | 19.35 | 19.38 | 19.14 | 20.47 | 24.90 | 28.09 | 19.53 | 18.24 | 16.47 |
|                 | 1.23  | 1.29  | 1.08  | 0.97  | 0.92  | 0.86  | 0.78  | 0.98  | 1.15  | 1.21  | 1.39  | 1.75  | 1.93  | 1.58  | 1.49  | 1.49  | 1.50  | 1.50  | 1.62  | 1.89  | 2.05  | 1.50  | 1.39  | 1.11  |
|                 | 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     |
| GENESE<br>61753 | 16.60 | 20.65 | 18.58 | 17.41 | 17.03 | 16.91 | 15.83 | 17.06 | 17.67 | 16.81 | 18.16 | 22.02 | 23.44 | 18.49 | 17.40 | 17.78 | 17.72 | 17.42 | 18.63 | 22.81 | 25.92 | 17.85 | 16.73 | 15.57 |
|                 | -0.23 | -0.27 | -0.31 | -0.34 | -0.29 | -0.12 | 0.13  | 0.09  | 0.17  | 0.00  | -0.04 | -0.06 | -0.07 | -0.06 | -0.04 | -0.08 | -0.17 | -0.22 | -0.21 | -0.19 | -0.13 | -0.18 | -0.13 | 0.21  |
|                 | 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     |
| H Q<br>61844    | 16.47 | 20.55 | 18.61 | 17.48 | 17.06 | 16.79 | 15.47 | 16.32 | 17.10 | 16.40 | 17.74 | 21.50 | 22.88 | 18.04 | 16.96 | 17.39 | 17.43 | 17.18 | 18.57 | 22.36 | 25.35 | 17.57 | 16.43 | 14.97 |
|                 | -0.36 | -0.37 | -0.29 | -0.27 | -0.26 | -0.23 | -0.23 | -0.27 | -0.41 | -0.41 | -0.45 | -0.58 | -0.63 | -0.50 | -0.48 | -0.47 | -0.45 | -0.45 | -0.52 | -0.65 | -0.69 | -0.46 | -0.42 | -0.39 |
|                 | 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 | 18.09 | 22.27 | 20.05 | 18.79 | 18.32 | 17.97 | 16.56 | 18.02 | 18.73 | 18.09 | 19.64 | 23.91 | 25.52 | 20.17 | 18.97 | 19.40 | 19.44 | 19.19 | 20.52 | 25.00 | 28.24 | 19.59 | 18.28 | 16.52 |
|                 | 1.26  | 1.36  | 1.15  | 1.04  | 1.00  | 0.94  | 0.86  | 1.05  | 1.23  | 1.28  | 1.45  | 1.83  | 2.00  | 1.62  | 1.53  | 1.55  | 1.55  | 1.55  | 1.68  | 2.00  | 2.20  | 1.56  | 1.43  | 1.16  |
|                 | 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     |
| LONGIL<br>61762 | 28.28 | 22.48 | 20.31 | 19.03 | 18.58 | 18.20 | 16.77 | 18.30 | 18.95 | 19.88 | 19.87 | 24.04 | 25.69 | 20.36 | 19.21 | 19.63 | 19.69 | 19.43 | 20.75 | 24.94 | 27.97 | 19.64 | 18.93 | 16.65 |
|                 | 1.55  | 1.57  | 1.41  | 1.28  | 1.26  | 1.18  | 1.07  | 1.33  | 1.46  | 1.57  | 1.67  | 1.95  | 2.18  | 1.81  | 1.77  | 1.77  | 1.80  | 1.79  | 1.91  | 1.93  | 1.92  | 1.61  | 1.67  | 1.29  |
|                 | -9.91 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.50 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.40 | 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 | 17.29 | 21.51 | 19.41 | 18.22 | 17.78 | 17.49 | 16.17 | 17.48 | 18.09 | 17.41 | 18.86 | 22.95 | 24.41 | 19.23 | 18.07 | 18.49 | 18.52 | 18.26 | 19.52 | 23.88 | 27.04 | 18.71 | 17.43 | 15.85 |
|                 | 0.46  | 0.60  | 0.51  | 0.47  | 0.45  | 0.47  | 0.48  | 0.52  | 0.60  | 0.60  | 0.67  | 0.87  | 0.89  | 0.68  | 0.63  | 0.63  | 0.63  | 0.62  | 0.67  | 0.88  | 1.00  | 0.68  | 0.58  | 0.49  |
|                 | 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 | 18.04 | 22.19 | 19.96 | 18.70 | 18.22 | 17.87 | 16.47 | 17.93 | 18.65 | 18.03 | 19.58 | 23.84 | 25.45 | 20.12 | 18.93 | 19.35 | 19.38 | 19.14 | 20.47 | 24.92 | 28.12 | 19.54 | 18.24 | 16.46 |
|                 | 1.22  | 1.28  | 1.06  | 0.95  | 0.91  | 0.84  | 0.77  | 0.96  | 1.16  | 1.22  | 1.39  | 1.76  | 1.94  | 1.58  | 1.49  | 1.49  | 1.50  | 1.50  | 1.63  | 1.91  | 2.08  | 1.51  | 1.39  | 1.10  |
|                 | 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     |
| N.Y.C.<br>61761 | 18.18 | 22.32 | 20.08 | 18.81 | 18.31 | 17.97 | 16.57 | 18.05 | 18.76 | 18.14 | 19.72 | 24.00 | 25.63 | 20.29 | 19.08 | 19.49 | 19.53 | 19.37 | 20.83 | 25.88 | 28.25 | 19.66 | 18.36 | 16.56 |
|                 | 1.35  | 1.40  | 1.18  | 1.06  | 0.99  | 0.94  | 0.87  | 1.08  | 1.26  | 1.33  | 1.52  | 1.92  | 2.12  | 1.73  | 1.63  | 1.63  | 1.63  | 1.63  | 1.77  | 2.03  | 2.21  | 1.63  | 1.51  | 1.20  |
|                 | 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  | -0.01 | 0.00  | -0.01 | -0.10 | -0.22 | -0.84 | 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     |

|                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NORTH<br>61755 | 16.40 | 20.52 | 18.61 | 17.49 | 17.08 | 16.85 | 15.53 | 16.70 | 16.99 | 16.28 | 17.58 | 21.31 | 22.65 | 17.85 | 16.74 | 17.20 | 17.29 | 17.01 | 18.07 | 22.09 | 25.14 | 17.46 | 16.33 | 14.86 |
|                | -0.43 | -0.39 | -0.29 | -0.26 | -0.24 | -0.18 | -0.17 | -0.27 | -0.50 | -0.52 | -0.61 | -0.77 | -0.86 | -0.70 | -0.70 | -0.66 | -0.60 | -0.63 | -0.77 | -0.91 | -0.90 | -0.56 | -0.52 | -0.50 |
|                | 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   | 17.82 | 21.99 | 19.78 | 18.57 | 18.09 | 17.74 | 16.26 | 18.96 | 15.42 | 17.74 | 19.21 | 23.37 | 24.90 | 19.67 | 18.48 | 18.90 | 18.94 | 18.70 | 25.33 | 24.40 | 27.57 | 19.11 | 17.85 | 16.18 |
|                | 0.99  | 1.07  | 0.89  | 0.82  | 0.77  | 0.71  | 0.57  | 0.72  | 0.76  | 0.93  | 1.02  | 1.29  | 1.39  | 1.12  | 1.04  | 1.05  | 1.06  | 1.06  | 1.22  | 1.40  | 1.53  | 1.08  | 1.00  | 0.81  |
|                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.76 | -0.54 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.73 | 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     |
| O H<br>61846   | 16.25 | 20.29 | 18.26 | 17.09 | 16.74 | 16.64 | 15.67 | 18.10 | 14.65 | 18.49 | 17.73 | 20.01 | 22.79 | 17.94 | 16.90 | 17.25 | 17.12 | 16.80 | 23.01 | 21.96 | 24.94 | 17.19 | 16.23 | 15.33 |
|                | -0.58 | -0.62 | -0.64 | -0.66 | -0.58 | -0.38 | -0.03 | -0.13 | -0.02 | -0.37 | -0.46 | -0.38 | -0.72 | -0.61 | -0.55 | -0.60 | -0.76 | -0.84 | -1.10 | -1.05 | -1.10 | -0.84 | -0.62 | -0.03 |
|                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.76 | -0.54 | -3.12 | 0.00  | -2.79 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.73 | 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     |
| PJM<br>61847   | 16.97 | 21.17 | 19.05 | 17.82 | 17.42 | 17.17 | 16.04 | 18.63 | 15.06 | 17.13 | 18.60 | 22.61 | 24.03 | 18.89 | 17.80 | 18.17 | 18.11 | 17.84 | 24.25 | 23.29 | 26.38 | 18.22 | 17.09 | 15.82 |
|                | 0.14  | 0.25  | 0.15  | 0.07  | 0.10  | 0.15  | 0.34  | 0.39  | 0.40  | 0.32  | 0.41  | 0.53  | 0.52  | 0.34  | 0.36  | 0.31  | 0.22  | 0.20  | 0.14  | 0.29  | 0.34  | 0.19  | 0.24  | 0.46  |
|                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.76 | -0.54 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.73 | 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     |
| WEST<br>61752  | 16.44 | 20.52 | 18.45 | 17.27 | 16.92 | 16.85 | 15.89 | 17.08 | 17.67 | 16.67 | 17.99 | 21.79 | 23.14 | 18.22 | 17.14 | 17.48 | 17.35 | 17.02 | 18.19 | 22.28 | 25.33 | 17.46 | 16.46 | 15.56 |
|                | -0.39 | -0.40 | -0.44 | -0.48 | -0.40 | -0.18 | 0.20  | 0.11  | 0.17  | -0.14 | -0.20 | -0.29 | -0.38 | -0.33 | -0.30 | -0.38 | -0.53 | -0.62 | -0.65 | -0.73 | -0.71 | -0.57 | -0.39 | 0.20  |
|                | 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     |