

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

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

## Zonal Data

10/18/2015

| 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 | 30.94 | 30.12 | 24.94  | 23.86  | 31.98  | 34.79 | 34.39 | 26.47  | 32.92  | 30.16  | 32.36  | 33.10   | 30.43   | 26.82   | 26.69  | 26.06  | 29.12  | 32.55  | 32.56  | 32.71  | 33.16  | 40.01  | 33.08  | 34.52 |
| 61757  | 1.44  | 1.48  | 1.18   | 1.20   | 1.69   | 1.89  | 1.91  | 1.43   | 1.76   | 1.65   | 1.70   | 1.76    | 1.62    | 1.37    | 1.25   | 1.39   | 1.59   | 1.84   | 1.85   | 1.88   | 1.83   | 2.20   | 1.70   | 1.66  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.19  | 0.00   | 0.00   | 0.00   | 0.00    | 0.00    | -0.45   | -3.21  | -0.04  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  |
| CENTRL | 29.56 | 28.68 | 23.85  | 22.74  | 30.41  | 32.96 | 32.59 | 24.96  | 31.29  | 28.63  | 30.77  | 31.43   | 28.95   | 25.10   | 22.54  | 24.65  | 27.63  | 30.76  | 30.86  | 30.96  | 31.45  | 37.98  | 31.53  | 33.06 |
| 61754  | 0.06  | 0.04  | 0.08   | 0.08   | 0.11   | 0.06  | 0.11  | 0.08   | 0.13   | 0.12   | 0.11   | 0.10    | 0.07    | 0.06    | 0.00   | 0.03   | 0.10   | 0.05   | 0.15   | 0.12   | 0.12   | 0.16   | 0.16   | 0.20  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.02  | 0.00   | 0.00   | 0.00   | 0.00    | -0.05   | -0.04   | -0.31  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -0.02  | 0.00   | 0.00  |
| DUNWOD | 31.43 | 30.43 | 25.20  | 23.96  | 32.07  | 34.82 | 34.40 | 26.55  | 33.19  | 30.38  | 32.63  | 33.45   | 30.81   | 27.07   | 26.08  | 26.35  | 29.29  | 32.70  | 32.63  | 32.76  | 33.36  | 40.32  | 33.49  | 35.05 |
| 61760  | 1.93  | 1.79  | 1.43   | 1.30   | 1.78   | 1.91  | 1.92  | 1.56   | 2.03   | 1.87   | 1.97   | 2.12    | 1.99    | 1.76    | 1.55   | 1.70   | 1.76   | 1.99   | 1.92   | 1.93   | 2.04   | 2.51   | 2.12   | 2.18  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.13  | 0.00   | 0.00   | 0.00   | 0.00    | 0.00    | -0.32   | -2.30  | -0.03  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  |
| GENESE | 28.98 | 28.15 | 23.42  | 22.38  | 29.99  | 32.39 | 32.05 | 24.45  | 30.55  | 27.89  | 30.01  | 30.57   | 28.05   | 24.30   | 21.75  | 23.95  | 27.00  | 30.11  | 30.33  | 30.42  | 30.85  | 37.23  | 31.06  | 32.77 |
| 61753  | -0.53 | -0.48 | -0.35  | -0.28  | -0.31  | -0.51 | -0.42 | -0.42  | -0.61  | -0.62  | -0.64  | -0.77   | -0.82   | -0.73   | -0.72  | -0.67  | -0.52  | -0.60  | -0.38  | -0.41  | -0.48  | -0.60  | -0.31  | -0.10 |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.01  | 0.00   | 0.00   | 0.00   | 0.00    | -0.05   | -0.03   | -0.24  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -0.01  | 0.00   | 0.00  |
| H Q    | 29.50 | 28.64 | 23.76  | 22.66  | 30.30  | 32.90 | 32.48 | 24.86  | 31.16  | 28.51  | 30.65  | 31.33   | 28.62   | 24.99   | 22.23  | 20.77  | 27.53  | 30.71  | 30.71  | 30.83  | 31.33  | 37.81  | 31.38  | 32.87 |
| 61844  | 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  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00    | 0.20    | 0.00    | 0.00   | 3.85   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  |
| HUD VL | 31.44 | 30.43 | 25.20  | 23.98  | 32.09  | 34.86 | 34.44 | 26.55  | 33.21  | 30.40  | 32.66  | 33.45   | 30.81   | 27.06   | 26.07  | 26.36  | 29.34  | 32.78  | 32.77  | 32.90  | 33.47  | 40.40  | 33.51  | 35.04 |
| 61758  | 1.94  | 1.79  | 1.43   | 1.32   | 1.80   | 1.96  | 1.96  | 1.56   | 2.05   | 1.89   | 2.01   | 2.12    | 1.99    | 1.74    | 1.54   | 1.70   | 1.82   | 2.07   | 2.06   | 2.06   | 2.14   | 2.59   | 2.14   | 2.17  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.13  | 0.00   | 0.00   | 0.00   | 0.00    | 0.00    | -0.32   | -2.30  | -0.03  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  |
| LONGIL | 32.47 | 31.93 | 25.85  | 24.56  | 32.94  | 35.72 | 35.34 | 27.27  | 34.22  | 31.33  | 33.73  | 152.63  | 206.19  | 204.64  | 66.80  | 27.06  | 29.84  | 33.44  | 33.41  | 33.56  | 34.19  | 114.30 | 105.56 | 37.62 |
| 61762  | 2.96  | 2.72  | 2.09   | 1.90   | 2.64   | 2.82  | 2.86  | 2.28   | 3.07   | 2.82   | 3.08   | 3.31    | 3.05    | 2.66    | 2.34   | 2.41   | 2.32   | 2.72   | 2.70   | 2.73   | 2.86   | 3.73   | 3.27   | 3.27  |
|        | 0.00  | -0.58 | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.13  | 0.00   | 0.00   | 0.00   | -117.99 | -174.32 | -176.97 | -42.23 | -0.03  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -72.76 | -70.91 | -1.48 |
| MHK VL | 29.92 | 29.06 | 24.10  | 22.99  | 30.76  | 33.47 | 33.02 | 25.26  | 31.72  | 28.93  | 31.15  | 31.76   | 29.09   | 25.17   | 22.65  | 24.73  | 27.76  | 31.00  | 31.10  | 31.23  | 31.70  | 38.33  | 31.64  | 33.19 |
| 61756  | 0.42  | 0.42  | 0.34   | 0.33   | 0.46   | 0.57  | 0.55  | 0.39   | 0.56   | 0.42   | 0.49   | 0.43    | 0.27    | 0.13    | 0.10   | 0.11   | 0.23   | 0.28   | 0.39   | 0.40   | 0.37   | 0.52   | 0.26   | 0.32  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.02  | 0.00   | 0.00   | 0.00   | 0.00    | 0.00    | -0.05   | -0.32  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  |
| MILLWD | 31.46 | 30.43 | 25.21  | 23.96  | 32.09  | 34.85 | 34.43 | 26.58  | 33.24  | 30.45  | 32.70  | 33.51   | 30.87   | 27.11   | 26.14  | 26.40  | 29.35  | 32.79  | 32.75  | 32.88  | 33.47  | 40.42  | 33.55  | 35.09 |
| 61759  | 1.96  | 1.80  | 1.44   | 1.30   | 1.79   | 1.94  | 1.95  | 1.59   | 2.08   | 1.93   | 2.05   | 2.18    | 2.05    | 1.79    | 1.59   | 1.74   | 1.82   | 2.07   | 2.04   | 2.05   | 2.14   | 2.61   | 2.17   | 2.23  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.13  | 0.00   | 0.00   | 0.00   | 0.00    | 0.00    | -0.32   | -2.32  | -0.03  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  |
| N.Y.C. | 31.55 | 30.53 | 25.29  | 24.05  | 32.19  | 34.93 | 34.52 | 26.68  | 33.32  | 30.49  | 32.77  | 33.62   | 31.44   | 28.23   | 27.37  | 27.61  | 30.18  | 32.81  | 32.63  | 32.79  | 33.44  | 40.31  | 33.58  | 35.16 |
| 61761  | 2.05  | 1.90  | 1.52   | 1.39   | 1.89   | 2.03  | 2.04  | 1.69   | 2.16   | 1.98   | 2.06   | 2.23    | 2.13    | 1.87    | 1.65   | 1.80   | 1.85   | 2.06   | 1.95   | 1.96   | 2.11   | 2.54   | 2.20   | 2.29  |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | -0.13  | 0.00   | 0.00   | -0.05  | -0.05   | -0.49   | -1.36   | -3.49  | -1.19  | -0.80  | -0.04  | 0.03   | 0.00   | 0.00   | 0.04   | 0.00   | 0.00  |
| NORTH  | 27.02 | 26.60 | 21.99  | 21.13  | 28.35  | 31.03 | 30.19 | 22.82  | 28.57  | 25.36  | 27.69  | 27.70   | 24.66   | 21.22   | 18.78  | 17.25  | 24.06  | 27.21  | 27.01  | 27.16  | 27.33  | 33.43  | 27.38  | 29.09 |
| 61755  | -2.49 | -2.03 | -1.77  | -1.53  | -1.95  | -1.87 | -2.29 | -2.04  | -2.59  | -3.16  | -2.96  | -3.64   | -3.97   | -3.76   | -3.33  | -3.60  | -3.46  | -3.50  | -3.70  | -3.67  | -4.00  | -4.38  | -4.00  | -3.77 |
|        | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 0.01   | 0.00   | 0.00   | 0.00   | 0.00    | 0.19    | 0.02    | 0.12   | 3.78   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  |
| NPX    | 31.22 | 33.28 | 37.48  | 43.14  | 46.49  | 39.93 | 42.15 | 46.50  | 55.71  | 47.80  | 43.91  | 40.61   | 38.27   | 40.76   | 45.75  | 47.90  | 51.45  | 61.52  | 66.81  | 72.09  | 70.40  | 54.51  | 66.05  | 42.58 |
| 61845  | 1.72  | 1.78  | 1.43   | 1.36   | 1.86   | 2.05  | 2.06  | 1.59   | 1.98   | 1.80   | 1.90   | 2.00    | 1.89    | 1.63    | 1.47   | 1.60   | 1.72   | 1.93   | 1.86   | 1.91   | 1.90   | 2.37   | 1.95   | 1.97  |
|        | 0.00  | -2.87 | -12.29 | -19.12 | -14.34 | -4.98 | -7.61 | -20.06 | -22.57 | -17.49 | -11.35 | -7.27   | -7.56   | -14.13  | -22.06 | -21.67 | -22.20 | -28.87 | -34.24 | -39.35 | -37.18 | -14.34 | -32.73 | -7.74 |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| O H<br>61846  | 28.49 | 27.71 | 23.09 | 22.09 | 29.64 | 31.84 | 31.44 | 23.86 | 29.72 | 27.00 | 29.06 | 29.49 | 26.77 | 23.41 | 21.00 | 23.08 | 26.05 | 28.89 | 28.99 | 28.93 | 29.35 | 35.46 | 29.83 | 31.62 |
|               | -1.01 | -0.92 | -0.67 | -0.57 | -0.66 | -1.07 | -1.04 | -1.02 | -1.44 | -1.51 | -1.59 | -1.84 | -1.88 | -1.63 | -1.54 | -1.55 | -1.47 | -1.82 | -1.72 | -1.90 | -1.99 | -2.30 | -1.55 | -1.25 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.02 | 0.00  | 0.00  | 0.00  | 0.00  | 0.17  | -0.04 | -0.30 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.05  | 0.00  | 0.00  |
| PJM<br>61847  | 30.33 | 29.37 | 24.39 | 23.20 | 31.09 | 33.63 | 33.24 | 25.51 | 31.89 | 29.10 | 31.27 | 31.93 | 29.50 | 25.70 | 24.10 | 25.13 | 28.10 | 31.29 | 31.32 | 31.37 | 31.90 | 38.67 | 32.19 | 33.78 |
|               | 0.83  | 0.74  | 0.62  | 0.55  | 0.79  | 0.73  | 0.76  | 0.57  | 0.73  | 0.59  | 0.61  | 0.60  | 0.56  | 0.49  | 0.39  | 0.49  | 0.57  | 0.58  | 0.61  | 0.53  | 0.57  | 0.82  | 0.81  | 0.92  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.09 | 0.00  | 0.00  | 0.00  | 0.00  | -0.12 | -0.21 | -1.49 | -0.02 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.04 | 0.00  | 0.00  |
| WEST<br>61752 | 28.93 | 28.11 | 23.42 | 22.39 | 30.04 | 32.25 | 31.89 | 24.21 | 30.16 | 27.44 | 29.56 | 30.00 | 28.32 | 23.83 | 21.33 | 23.45 | 26.49 | 29.39 | 29.52 | 29.49 | 29.91 | 36.45 | 30.34 | 32.13 |
|               | -0.58 | -0.53 | -0.34 | -0.27 | -0.26 | -0.65 | -0.58 | -0.67 | -1.00 | -1.07 | -1.09 | -1.33 | -1.40 | -1.21 | -1.20 | -1.18 | -1.03 | -1.33 | -1.19 | -1.34 | -1.42 | -1.64 | -1.04 | -0.74 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.02 | 0.00  | 0.00  | 0.00  | 0.00  | -0.90 | -0.04 | -0.29 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.28 | 0.00  | 0.00  |