

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

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

## Zonal Data

10/30/2014

| 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 | 17.74 | 16.74 | 16.33 | 10.55 | 10.75 | 15.54 | 19.43  | 27.72  | 21.84 | 20.43  | 22.71  | 24.61 | 25.51  | 25.27 | 18.08 | 17.52 | 21.16 | 17.72  | 19.93  | 23.03  | 23.15 | 24.00 | 24.65 | 24.18 |
| 61757  | 0.58  | 0.56  | 0.54  | 0.36  | 0.37  | 0.60  | 0.85   | 1.31   | 1.04  | 0.95   | 1.03   | 1.15  | 1.25   | 1.15  | 0.82  | 0.81  | 0.98  | 0.84   | 0.95   | 1.10   | 1.07  | 1.02  | 1.04  | 0.83  |
|        | 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  |
| CENTRL | 17.38 | 16.37 | 15.95 | 10.33 | 10.50 | 15.16 | 19.04  | 37.95  | 21.32 | 20.02  | 22.21  | 24.00 | 24.82  | 31.17 | 17.70 | 17.12 | 20.67 | 17.31  | 19.47  | 28.73  | 22.62 | 23.54 | 24.06 | 23.58 |
| 61754  | 0.22  | 0.19  | 0.17  | 0.12  | 0.12  | 0.22  | 0.47   | 0.73   | 0.52  | 0.54   | 0.54   | 0.52  | 0.51   | 0.63  | 0.44  | 0.41  | 0.49  | 0.43   | 0.49   | 0.60   | 0.54  | 0.56  | 0.44  | 0.23  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | -10.81 | 0.00  | 0.00   | 0.00   | -0.02 | -0.05  | -6.42 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | -6.21  | 0.00  | 0.00  | 0.00  | 0.00  |
| DUNWOD | 18.56 | 17.44 | 17.03 | 10.99 | 11.18 | 16.19 | 20.44  | 29.24  | 23.02 | 21.52  | 24.10  | 26.09 | 27.00  | 26.78 | 19.15 | 18.54 | 22.41 | 18.63  | 20.89  | 24.15  | 24.33 | 25.26 | 25.83 | 25.19 |
| 61760  | 1.40  | 1.26  | 1.25  | 0.79  | 0.80  | 1.25  | 1.86   | 2.83   | 2.22  | 2.05   | 2.42   | 2.64  | 2.74   | 2.66  | 1.89  | 1.83  | 2.23  | 1.74   | 1.91   | 2.23   | 2.25  | 2.28  | 2.22  | 1.85  |
|        | 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  |
| GENESE | 17.08 | 16.08 | 15.62 | 10.15 | 10.34 | 14.86 | 18.63  | 32.52  | 20.91 | 19.64  | 21.71  | 23.36 | 24.15  | 27.73 | 17.27 | 16.70 | 20.13 | 16.93  | 19.05  | 25.78  | 22.16 | 23.04 | 23.60 | 23.04 |
| 61753  | -0.09 | -0.10 | -0.16 | -0.05 | -0.04 | -0.08 | 0.05   | 0.19   | 0.11  | 0.17   | 0.03   | -0.11 | -0.14  | 0.04  | 0.01  | -0.01 | -0.05 | 0.05   | 0.07   | 0.13   | 0.08  | 0.05  | -0.01 | -0.31 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | -5.92  | 0.00  | 0.00   | 0.00   | -0.01 | -0.03  | -3.56 | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | -3.72  | 0.00  | 0.00  | 0.00  | 0.00  |
| H Q    | 16.95 | 15.99 | 15.58 | 10.07 | 10.25 | 14.69 | 18.11  | 25.77  | 20.20 | 18.89  | 21.05  | 22.79 | 23.58  | 23.44 | 16.74 | 16.21 | 15.99 | 16.40  | 18.46  | 21.30  | 21.49 | 22.43 | 23.13 | 23.09 |
| 61844  | -0.22 | -0.19 | -0.20 | -0.12 | -0.13 | -0.24 | -0.46  | -0.75  | -0.61 | -0.58  | -0.63  | -0.67 | -0.68  | -0.68 | -0.51 | -0.49 | -0.60 | -0.49  | -0.52  | -0.62  | -0.59 | -0.54 | -0.49 | -0.25 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | -0.11  | 0.00  | 0.00   | 0.00   | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 3.59  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  |
| HUD VL | 18.53 | 17.41 | 17.01 | 10.97 | 11.17 | 16.17 | 20.39  | 29.18  | 22.92 | 21.44  | 23.97  | 25.95 | 26.85  | 26.64 | 19.05 | 18.44 | 22.31 | 18.57  | 20.85  | 24.11  | 24.27 | 25.21 | 25.77 | 25.16 |
| 61758  | 1.36  | 1.23  | 1.22  | 0.77  | 0.79  | 1.23  | 1.82   | 2.77   | 2.12  | 1.97   | 2.30   | 2.50  | 2.58   | 2.51  | 1.80  | 1.73  | 2.12  | 1.68   | 1.87   | 2.19   | 2.20  | 2.23  | 2.16  | 1.81  |
|        | 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  |
| LONGIL | 18.88 | 17.82 | 17.47 | 11.30 | 11.51 | 19.06 | 86.76  | 29.74  | 23.28 | 21.71  | 24.46  | 26.70 | 27.66  | 27.44 | 19.45 | 18.79 | 22.63 | 18.66  | 20.81  | 24.11  | 24.48 | 25.57 | 26.26 | 25.45 |
| 61762  | 1.72  | 1.64  | 1.68  | 1.11  | 1.13  | 1.71  | 2.39   | 3.33   | 2.47  | 2.24   | 2.78   | 3.24  | 3.40   | 3.32  | 2.19  | 2.08  | 2.45  | 1.79   | 1.84   | 2.19   | 2.41  | 2.59  | 2.64  | 2.10  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.40 | -65.79 | 0.00   | 0.00  | 0.00   | 0.00   | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.01   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  |
| MHK VL | 17.61 | 16.59 | 16.17 | 10.45 | 10.65 | 15.39 | 19.30  | 27.55  | 21.64 | 20.25  | 22.53  | 24.37 | 25.21  | 25.08 | 17.92 | 17.34 | 20.90 | 17.54  | 19.78  | 22.86  | 23.00 | 23.96 | 24.48 | 24.07 |
| 61756  | 0.44  | 0.41  | 0.39  | 0.24  | 0.27  | 0.45  | 0.72   | 1.14   | 0.83  | 0.78   | 0.86   | 0.92  | 0.95   | 0.96  | 0.66  | 0.63  | 0.72  | 0.66   | 0.80   | 0.94   | 0.92  | 0.98  | 0.87  | 0.73  |
|        | 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  |
| MILLWD | 18.60 | 17.47 | 17.07 | 11.01 | 11.20 | 16.23 | 20.50  | 29.37  | 23.11 | 21.60  | 24.18  | 26.17 | 27.07  | 26.84 | 19.19 | 18.58 | 22.47 | 18.69  | 20.98  | 24.27  | 24.44 | 25.37 | 25.93 | 25.27 |
| 61759  | 1.43  | 1.30  | 1.28  | 0.81  | 0.82  | 1.30  | 1.93   | 2.96   | 2.30  | 2.13   | 2.50   | 2.71  | 2.81   | 2.72  | 1.94  | 1.87  | 2.29  | 1.81   | 2.01   | 2.35   | 2.36  | 2.39  | 2.32  | 1.92  |
|        | 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.Y.C. | 18.67 | 17.53 | 17.12 | 11.04 | 11.23 | 16.27 | 20.55  | 29.43  | 23.20 | 21.68  | 24.27  | 26.29 | 27.22  | 26.99 | 19.30 | 18.68 | 22.59 | 18.76  | 21.02  | 24.30  | 24.48 | 25.42 | 26.00 | 25.35 |
| 61761  | 1.51  | 1.35  | 1.33  | 0.84  | 0.85  | 1.33  | 1.98   | 3.02   | 2.39  | 2.21   | 2.60   | 2.84  | 2.96   | 2.87  | 2.04  | 1.97  | 2.40  | 1.87   | 2.05   | 2.37   | 2.40  | 2.44  | 2.39  | 2.00  |
|        | 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  |
| NORTH  | 16.93 | 15.99 | 15.58 | 10.07 | 10.25 | 14.69 | 18.06  | 25.53  | 20.06 | 18.74  | 20.92  | 22.71 | 23.52  | 23.34 | 16.63 | 16.07 | 15.84 | 16.34  | 18.45  | 21.25  | 21.52 | 22.56 | 23.19 | 23.25 |
| 61755  | -0.23 | -0.18 | -0.21 | -0.13 | -0.13 | -0.25 | -0.52  | -0.88  | -0.74 | -0.73  | -0.75  | -0.74 | -0.75  | -0.78 | -0.63 | -0.63 | -0.81 | -0.54  | -0.53  | -0.67  | -0.55 | -0.42 | -0.43 | -0.10 |
|        | 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  | 3.53  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  |
| NPX    | 17.78 | 16.79 | 18.46 | 16.45 | 10.77 | 15.56 | 19.42  | 31.30  | 23.58 | 34.55  | 43.72  | 33.64 | 38.95  | 25.31 | 18.12 | 18.26 | 22.63 | 44.85  | 61.72  | 48.61  | 23.15 | 24.00 | 24.72 | 24.26 |
| 61845  | 0.61  | 0.61  | 0.61  | 0.38  | 0.39  | 0.62  | 0.84   | 1.29   | 1.05  | 0.97   | 1.04   | 1.19  | 1.31   | 1.19  | 0.86  | 0.84  | 1.03  | 0.85   | 0.91   | 1.07   | 1.08  | 1.02  | 1.11  | 0.91  |
|        | 0.00  | 0.00  | -2.07 | -5.87 | 0.00  | 0.00  | 0.00   | -3.60  | -1.72 | -14.11 | -21.00 | -8.99 | -13.37 | 0.00  | 0.00  | -0.71 | -1.42 | -27.12 | -41.83 | -25.62 | 0.00  | 0.00  | 0.00  | 0.00  |

|               |       |       |       |       |       |       |       |         |       |       |       |       |       |         |       |       |       |       |       |         |        |        |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|---------|--------|--------|-------|-------|
| OH<br>61846   | 23.75 | 15.93 | 15.47 | 10.08 | 10.23 | 14.59 | 18.17 | -13.70  | 18.94 | 19.06 | 21.00 | 22.44 | 23.06 | -2.90   | 16.74 | 16.20 | 19.49 | 16.39 | 18.34 | 11.92   | 39.07  | 37.39  | 23.09 | 22.55 |
|               | -0.26 | -0.25 | -0.32 | -0.11 | -0.14 | -0.35 | -0.41 | -0.55   | -0.55 | -0.41 | -0.67 | -0.94 | -1.01 | -0.68   | -0.51 | -0.51 | -0.69 | -0.49 | -0.64 | -0.63   | -0.68  | -0.59  | -0.53 | -0.80 |
|               | -6.85 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 39.55   | 1.31  | 0.00  | 0.00  | 0.08  | 0.20  | 26.34   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 9.37    | -17.67 | -15.00 | 0.00  | 0.00  |
| PJM<br>61847  | 18.59 | 19.65 | 20.40 | 16.33 | 16.31 | 24.83 | 28.43 | 37.83   | 22.02 | 20.64 | 23.01 | 24.85 | 25.71 | 31.36   | 18.32 | 17.73 | 21.42 | 17.85 | 20.00 | 28.73   | 23.30  | 24.31  | 24.88 | 24.29 |
|               | 0.85  | 0.76  | 0.74  | 0.50  | 0.49  | 0.73  | 1.14  | 1.73    | 1.22  | 1.17  | 1.34  | 1.38  | 1.40  | 1.50    | 1.06  | 1.02  | 1.24  | 0.96  | 1.02  | 1.26    | 1.23   | 1.33   | 1.26  | 0.94  |
|               | -0.57 | -2.71 | -3.87 | -5.63 | -5.44 | -9.16 | -8.71 | -9.69   | 0.00  | 0.00  | 0.00  | -0.02 | -0.04 | -5.74   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -5.56   | 0.00   | 0.00   | 0.00  | 0.00  |
| WEST<br>61752 | 17.20 | 16.19 | 15.70 | 10.24 | 10.42 | 14.85 | 18.53 | 218.04  | 20.75 | 19.52 | 21.48 | 23.38 | 24.67 | 140.65  | 17.10 | 16.53 | 19.83 | 16.71 | 18.71 | 134.66  | 21.83  | 22.82  | 23.56 | 22.96 |
|               | 0.03  | 0.01  | -0.09 | 0.04  | 0.04  | -0.09 | -0.05 | 0.07    | -0.05 | 0.05  | -0.19 | -0.44 | -0.49 | -0.17   | -0.16 | -0.18 | -0.35 | -0.17 | -0.27 | -0.20   | -0.24  | -0.16  | -0.06 | -0.38 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -191.55 | 0.00  | 0.00  | 0.00  | -0.36 | -0.90 | -116.71 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -112.93 | 0.00   | 0.00   | 0.00  | 0.00  |