

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

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

## Zonal Data

08/21/2015

| 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<br>61757 | 41.66  | 29.61  | 22.00  | 16.24  | 14.90  | 23.46  | 25.48  | 26.03  | 27.29   | 27.19  | 25.21 | 19.83 | 21.86  | 18.16  | 28.29 | 37.78 | 34.39 | 49.76  | 32.59 | 30.93 | 34.31 | 26.89 | 23.33 | 22.44 |
|                 | 1.44   | 0.93   | 1.43   | 0.51   | 0.45   | 1.77   | 1.94   | 2.04   | 2.14    | 1.96   | 1.67  | 1.47  | 1.13   | 1.38   | 2.12  | 2.86  | 2.59  | 2.45   | 2.30  | 2.32  | 2.62  | 1.97  | 1.66  | 1.60  |
|                 | -22.34 | -17.22 | -2.62  | -9.00  | -9.22  | -0.39  | -0.65  | -0.21  | 0.00    | 0.00   | 0.00  | -0.02 | -7.38  | -0.06  | -0.06 | -0.39 | -0.03 | -18.76 | -3.39 | -0.71 | 0.00  | 0.00  | 0.00  | 0.00  |
| CENTRL<br>61754 | 20.13  | 13.17  | 18.16  | 6.90   | 4.91   | 21.44  | 23.10  | 24.03  | 25.38   | 25.34  | 23.55 | 18.57 | 14.33  | 17.40  | 26.84 | 36.29 | 32.09 | 30.36  | 27.21 | 27.96 | 33.06 | 25.52 | 21.77 | 20.92 |
|                 | 0.00   | -0.03  | -0.06  | -0.02  | 0.04   | 0.18   | 0.19   | 0.26   | 0.23    | 0.11   | 0.02  | 0.08  | 0.00   | 0.06   | 0.14  | 0.19  | 0.16  | -0.08  | -0.04 | -0.05 | 0.05  | 0.09  | 0.03  | 0.08  |
|                 | -2.25  | -1.73  | -0.26  | -0.18  | 0.36   | 0.04   | -0.02  | 0.00   | 0.00    | 0.00   | 0.00  | -0.15 | -0.97  | -0.63  | -0.59 | -1.58 | -0.15 | -1.89  | -0.34 | -0.12 | -1.31 | -0.52 | -0.07 | 0.00  |
| DUNWOD<br>61760 | 37.38  | 26.20  | 22.03  | 22.15  | 26.20  | 25.26  | 27.00  | 27.50  | 28.44   | 28.23  | 25.88 | 20.43 | 20.64  | 18.64  | 29.12 | 38.83 | 35.55 | 46.47  | 32.69 | 31.77 | 35.44 | 27.84 | 24.18 | 23.33 |
|                 | 2.14   | 1.35   | 2.04   | 0.75   | 0.71   | 2.92   | 3.08   | 3.24   | 3.29    | 3.00   | 2.35  | 2.09  | 1.57   | 1.92   | 3.01  | 4.00  | 3.77  | 3.33   | 3.15  | 3.32  | 3.75  | 2.92  | 2.51  | 2.50  |
|                 | -17.37 | -13.38 | -2.04  | -14.67 | -20.26 | -1.04  | -1.03  | -0.48  | 0.00    | 0.00   | 0.00  | 0.00  | -5.72  | 0.00   | 0.00  | -0.30 | 0.00  | -14.60 | -2.64 | -0.55 | 0.00  | 0.00  | 0.00  | 0.00  |
| GENESE<br>61753 | 19.10  | 12.48  | 17.55  | 6.64   | 4.88   | 20.87  | 22.41  | 23.28  | 24.71   | 24.78  | 22.94 | 17.74 | 13.29  | 15.68  | 24.96 | 32.39 | 30.85 | 29.07  | 26.25 | 26.81 | 29.43 | 23.70 | 20.95 | 20.31 |
|                 | -0.58  | -0.37  | -0.61  | -0.25  | -0.08  | -0.40  | -0.50  | -0.47  | -0.43   | -0.45  | -0.59 | -0.47 | -0.45  | -0.48  | -0.63 | -0.78 | -0.79 | -1.00  | -0.93 | -1.09 | -1.06 | -0.75 | -0.66 | -0.53 |
|                 | -1.80  | -1.39  | -0.21  | -0.16  | 0.26   | 0.03   | -0.02  | 0.02   | 0.00    | 0.00   | 0.00  | 0.13  | -0.39  | 0.56   | 0.52  | 1.35  | 0.14  | -1.52  | -0.27 | -0.01 | 1.20  | 0.47  | 0.06  | 0.00  |
| H Q<br>61844    | 17.37  | 11.14  | 17.46  | 6.56   | 5.11   | 0.00   | 22.41  | 0.00   | 0.00    | 0.00   | 11.44 | 13.39 | 12.78  | 15.87  | 24.96 | 33.48 | 30.67 | 27.73  | 26.14 | 27.11 | 30.78 | 24.22 | 21.08 | 20.22 |
|                 | -0.51  | -0.32  | -0.49  | -0.17  | -0.12  | -0.45  | -0.48  | -0.52  | -0.50   | -0.52  | -0.48 | -0.53 | -0.40  | -0.50  | -0.79 | -1.04 | -0.97 | -0.82  | -0.76 | -0.78 | -0.90 | -0.70 | -0.58 | -0.62 |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 20.85  | 0.00   | 23.25  | 24.64   | 24.71  | 11.61 | 4.42  | 0.17   | 0.35   | 0.36  | 0.00  | 0.13  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| HUD VL<br>61758 | 37.19  | 26.04  | 21.97  | 21.69  | 25.40  | 25.36  | 27.13  | 27.67  | 28.60   | 28.27  | 25.90 | 20.44 | 20.61  | 18.68  | 29.20 | 38.94 | 35.65 | 46.44  | 32.73 | 31.79 | 35.47 | 27.84 | 24.13 | 23.26 |
|                 | 2.10   | 1.32   | 1.99   | 0.77   | 0.75   | 3.07   | 3.24   | 3.44   | 3.45    | 3.04   | 2.37  | 2.09  | 1.58   | 1.96   | 3.09  | 4.12  | 3.87  | 3.41   | 3.21  | 3.35  | 3.78  | 2.92  | 2.47  | 2.42  |
|                 | -17.21 | -13.26 | -2.02  | -14.18 | -19.42 | -0.99  | -1.00  | -0.46  | 0.00    | 0.00   | 0.00  | 0.00  | -5.68  | 0.00   | 0.00  | -0.30 | 0.00  | -14.48 | -2.62 | -0.55 | 0.00  | 0.00  | 0.00  | 0.00  |
| LONGIL<br>61762 | 47.07  | 53.61  | 40.72  | 38.47  | 45.07  | 43.83  | 40.89  | 40.96  | 88.91   | 39.67  | 26.32 | 20.88 | 20.97  | 18.98  | 29.63 | 39.48 | 36.22 | 47.17  | 33.95 | 39.18 | 38.52 | 28.29 | 24.75 | 23.93 |
|                 | 2.70   | 1.71   | 2.60   | 0.99   | 0.89   | 3.62   | 3.80   | 3.98   | 4.10    | 3.78   | 2.79  | 2.54  | 1.90   | 2.26   | 3.52  | 4.65  | 4.44  | 4.02   | 3.89  | 4.20  | 4.76  | 3.37  | 2.98  | 3.09  |
|                 | -26.50 | -40.44 | -20.16 | -30.74 | -38.96 | -18.91 | -14.20 | -13.20 | -59.66  | -10.66 | 0.00  | 0.00  | -5.72  | 0.00   | 0.00  | -0.30 | 0.00  | -14.60 | -3.16 | -7.09 | -2.08 | 0.00  | -0.11 | 0.00  |
| MHK VL<br>61756 | 21.24  | 13.97  | 18.83  | 7.40   | 5.56   | 22.07  | 24.03  | 25.12  | 26.62   | 26.46  | 24.52 | 19.09 | 14.71  | 17.29  | 27.07 | 35.95 | 32.99 | 32.10  | 28.40 | 29.07 | 32.95 | 25.87 | 22.46 | 21.55 |
|                 | 0.59   | 0.36   | 0.55   | 0.19   | 0.16   | 0.77   | 1.10   | 1.35   | 1.47    | 1.23   | 0.99  | 0.80  | 0.52   | 0.70   | 1.08  | 1.38  | 1.25  | 1.08   | 1.04  | 1.09  | 1.26  | 0.95  | 0.79  | 0.72  |
|                 | -2.77  | -2.15  | -0.32  | -0.48  | -0.18  | 0.00   | -0.03  | 0.00   | 0.00    | 0.00   | 0.00  | 0.05  | -0.83  | 0.12   | 0.12  | -0.05 | 0.04  | -2.48  | -0.46 | -0.10 | 0.00  | 0.00  | 0.00  | 0.00  |
| MILLWD<br>61759 | 37.47  | 26.26  | 22.03  | 22.05  | 26.00  | 25.25  | 26.99  | 27.50  | 28.47   | 28.25  | 25.92 | 20.46 | 20.70  | 18.70  | 29.22 | 38.97 | 35.69 | 46.67  | 32.80 | 31.86 | 35.52 | 27.88 | 24.19 | 23.33 |
|                 | 2.14   | 1.35   | 2.03   | 0.75   | 0.71   | 2.92   | 3.08   | 3.25   | 3.32    | 3.02   | 2.39  | 2.12  | 1.60   | 1.98   | 3.11  | 4.14  | 3.91  | 3.45   | 3.25  | 3.41  | 3.83  | 2.96  | 2.52  | 2.49  |
|                 | -17.45 | -13.45 | -2.05  | -14.56 | -20.07 | -1.03  | -1.02  | -0.48  | 0.00    | 0.00   | 0.00  | 0.00  | -5.75  | 0.00   | 0.00  | -0.31 | 0.00  | -14.67 | -2.65 | -0.56 | 0.00  | 0.00  | 0.00  | 0.00  |
| N.Y.C.<br>61761 | 38.80  | 28.72  | 22.74  | 22.23  | 26.25  | 25.47  | 27.47  | 29.52  | 29.24   | 28.44  | 26.03 | 20.55 | 20.73  | 18.72  | 29.16 | 38.95 | 35.67 | 46.60  | 33.68 | 33.75 | 37.09 | 30.78 | 27.76 | 25.19 |
|                 | 2.28   | 1.47   | 2.21   | 0.83   | 0.76   | 3.12   | 3.29   | 3.47   | 3.52    | 3.22   | 2.50  | 2.21  | 1.65   | 2.00   | 3.12  | 4.12  | 3.89  | 3.45   | 3.27  | 3.51  | 3.95  | 3.11  | 2.69  | 2.68  |
|                 | -18.64 | -15.79 | -2.58  | -14.67 | -20.26 | -1.04  | -1.29  | -2.27  | -0.57   | 0.00   | 0.00  | 0.00  | -5.72  | 0.00   | 0.07  | -0.30 | 0.00  | -14.61 | -3.50 | -2.35 | -1.46 | -2.75 | -3.40 | -1.67 |
| NORTH<br>61755  | 17.30  | 11.14  | 17.46  | 6.57   | 5.12   | 20.87  | 22.45  | 23.30  | 24.78   | 24.84  | 23.14 | 17.38 | 12.35  | 15.01  | 24.09 | 33.58 | 30.33 | 27.76  | 26.21 | 27.18 | 30.87 | 24.29 | 21.09 | 20.14 |
|                 | -0.57  | -0.32  | -0.50  | -0.17  | -0.11  | -0.43  | -0.44  | -0.47  | -0.37   | -0.39  | -0.39 | -0.51 | -0.37  | -0.45  | -0.71 | -0.94 | -0.97 | -0.78  | -0.69 | -0.70 | -0.83 | -0.63 | -0.58 | -0.69 |
|                 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00    | 0.00   | 0.00  | 0.45  | 0.63   | 1.25   | 1.31  | 0.00  | 0.47  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| NPX<br>61845    | 51.37  | 43.51  | 31.60  | 37.99  | 42.55  | 74.07  | 65.27  | 84.89  | 196.44  | 89.73  | 25.36 | 21.11 | 35.63  | 31.78  | 28.63 | 40.99 | 35.51 | 59.49  | 33.85 | 31.21 | 34.69 | 28.50 | 23.64 | 22.81 |
|                 | 1.67   | 1.10   | 1.69   | 0.61   | 0.54   | 2.17   | 2.31   | 2.38   | 2.43    | 2.19   | 1.83  | 1.67  | 1.31   | 1.59   | 2.44  | 3.27  | 2.98  | 2.83   | 2.62  | 2.68  | 3.00  | 2.31  | 1.97  | 1.98  |
|                 | -31.82 | -30.95 | -11.96 | -30.65 | -36.79 | -50.60 | -40.07 | -58.73 | -168.86 | -62.31 | 0.00  | -1.10 | -20.97 | -13.48 | -0.07 | -3.20 | -0.76 | -28.12 | -4.33 | -0.64 | 0.00  | -1.28 | 0.00  | 0.00  |

|               |        |       |       |       |        |       |       |       |       |       |       |       |       |       |       |        |       |       |       |       |        |       |       |       |
|---------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|
| OH<br>61846   | 19.08  | 12.59 | 17.11 | 6.49  | 4.65   | 20.37 | 21.74 | 22.48 | 23.75 | 23.70 | 21.85 | 17.70 | 12.36 | 13.69 | 22.75 | 30.87  | 29.97 | 30.23 | 26.37 | 25.50 | 25.51  | 23.00 | 19.97 | 19.69 |
|               | -1.17  | -0.70 | -1.12 | -0.42 | -0.18  | -0.89 | -1.17 | -1.25 | -1.40 | -1.52 | -1.68 | -1.33 | -1.14 | -1.29 | -1.81 | -2.24  | -2.13 | -2.38 | -2.17 | -2.33 | -2.45  | -1.72 | -1.50 | -1.15 |
|               | -2.37  | -1.83 | -0.28 | -0.18 | 0.40   | 0.04  | -0.02 | 0.04  | 0.00  | 0.00  | 0.00  | -0.70 | -0.15 | 1.74  | 1.55  | 1.41   | -0.32 | -4.07 | -1.63 | 0.06  | 3.74   | 0.20  | 0.20  | 0.00  |
| PJM<br>61847  | 30.22  | 20.84 | 20.10 | 16.05 | 17.76  | 23.44 | 25.04 | 25.68 | 26.64 | 26.43 | 24.31 | 19.50 | 18.23 | 18.99 | 28.76 | 40.09  | 33.73 | 39.34 | 29.80 | 29.59 | 36.33  | 29.51 | 20.05 | 21.94 |
|               | 0.89   | 0.55  | 0.80  | 0.31  | 0.37   | 1.53  | 1.51  | 1.60  | 1.49  | 1.20  | 0.78  | 0.80  | 0.55  | 0.73  | 1.23  | 1.69   | 1.58  | 1.16  | 1.15  | 1.22  | 1.45   | 1.20  | 0.98  | 1.10  |
|               | -11.46 | -8.83 | -1.34 | -9.00 | -12.16 | -0.61 | -0.64 | -0.31 | 0.00  | 0.00  | 0.00  | -0.36 | -4.34 | -1.55 | -1.42 | -3.87  | -0.37 | -9.64 | -1.74 | -0.48 | -3.19  | -3.39 | 2.59  | 0.00  |
| WEST<br>61752 | 19.18  | 12.64 | 17.26 | 6.54  | 4.72   | 20.55 | 21.95 | 22.87 | 24.08 | 24.02 | 22.13 | 18.93 | 15.80 | 22.67 | 31.33 | 50.05  | 31.71 | 28.45 | 25.38 | 26.45 | 44.54  | 29.36 | 21.22 | 19.94 |
|               | -1.01  | -0.60 | -0.96 | -0.37 | -0.13  | -0.72 | -0.96 | -1.01 | -1.07 | -1.20 | -1.40 | -1.10 | -0.96 | -1.07 | -1.49 | -1.85  | -1.80 | -2.08 | -1.88 | -2.07 | -2.11  | -1.44 | -1.25 | -0.89 |
|               | -2.31  | -1.78 | -0.27 | -0.18 | 0.38   | 0.04  | -0.02 | -0.10 | 0.00  | 0.00  | 0.00  | -1.69 | -3.41 | -7.02 | -6.70 | -17.38 | -1.73 | -1.98 | -0.36 | -0.63 | -14.96 | -5.88 | -0.80 | 0.00  |