

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

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

## Zonal Data

08/08/2013

| 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 | 41.29 | 36.67 | 32.38 | 30.70 | 23.56 | 29.10 | 34.14 | 36.97 | 36.55 | 37.48 | 38.21 | 57.96 | 144.43 | 89.81 | 52.97 | 40.97 | 41.90 | 43.96 | 41.49 | 41.92  | 42.50  | 34.30  | 46.80 | 37.05 |
| 61757  | 2.31  | 2.10  | 1.81  | 1.58  | 1.20  | 1.53  | 1.80  | 1.98  | 1.96  | 1.92  | 1.80  | 2.94  | 7.25   | 4.71  | 2.53  | 1.92  | 2.05  | 2.21  | 2.24  | 2.09   | 2.32   | 1.80   | 2.43  | 1.84  |
|        | 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  | -0.04 | 0.00  | 0.00  | 0.00  | -4.82  | -4.05  | -1.55  | 0.00  | 0.00  |
| CENTRL | 39.68 | 35.20 | 31.10 | 29.69 | 22.86 | 28.27 | 33.19 | 35.97 | 35.59 | 36.59 | 37.47 | 56.60 | 141.44 | 87.87 | 51.79 | 40.03 | 40.84 | 42.84 | 40.16 | 36.00  | 36.83  | 31.68  | 45.39 | 35.90 |
| 61754  | 0.70  | 0.62  | 0.53  | 0.57  | 0.50  | 0.70  | 0.86  | 0.98  | 1.00  | 1.04  | 1.06  | 1.48  | 4.12   | 2.20  | 1.31  | 0.95  | 0.94  | 0.87  | 0.83  | 0.79   | 0.66   | 0.73   | 1.01  | 0.70  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.11 | -0.14  | -0.58 | -0.04 | -0.07 | -0.04 | -0.21 | -0.08 | -0.19  | -0.05  | 0.00   | 0.00  | 0.00  |
| DUNWOD | 42.96 | 37.90 | 33.42 | 31.72 | 24.24 | 29.88 | 35.28 | 38.62 | 38.19 | 39.34 | 40.11 | 60.44 | 150.14 | 93.77 | 55.51 | 43.65 | 43.93 | 45.91 | 43.01 | 127.86 | 114.60 | 62.25  | 48.24 | 38.31 |
| 61760  | 3.98  | 3.32  | 2.84  | 2.60  | 1.87  | 2.31  | 2.94  | 3.63  | 3.60  | 3.78  | 3.70  | 5.43  | 12.96  | 8.68  | 5.08  | 3.96  | 4.08  | 4.15  | 3.76  | 3.08   | 3.14   | 2.65   | 3.87  | 3.11  |
|        | 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  | -0.69 | 0.00  | 0.00  | 0.00  | -89.76 | -75.33 | -28.65 | 0.00  | 0.00  |
| GENESE | 39.91 | 35.31 | 31.05 | 29.58 | 22.90 | 28.39 | 33.37 | 35.89 | 35.53 | 36.49 | 37.65 | 56.72 | 141.74 | 86.89 | 51.65 | 40.10 | 40.75 | 42.54 | 40.00 | 35.54  | 36.41  | 31.70  | 45.74 | 36.23 |
| 61753  | 0.93  | 0.73  | 0.48  | 0.46  | 0.54  | 0.82  | 1.03  | 0.90  | 0.93  | 0.93  | 1.23  | 1.71  | 4.56   | 1.79  | 1.20  | 1.07  | 0.90  | 0.78  | 0.73  | 0.53   | 0.28   | 0.74   | 1.36  | 1.03  |
|        | 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 | -0.02 | 0.00  | -0.01 | -0.03 | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |
| H Q    | 37.87 | 33.61 | 29.78 | 28.42 | 21.85 | 26.88 | 31.47 | 33.94 | 33.53 | 34.45 | 35.36 | 53.44 | 133.19 | 82.50 | 49.01 | 37.95 | 38.65 | 40.64 | 38.19 | 34.10  | 37.75  | 27.61  | 40.41 | 35.99 |
| 61844  | -1.11 | -0.97 | -0.79 | -0.71 | -0.52 | -0.69 | -0.87 | -1.05 | -1.06 | -1.10 | -1.05 | -1.58 | -4.00  | -2.59 | -1.43 | -1.07 | -1.11 | -1.12 | -1.06 | -0.92  | -0.99  | -0.75  | -1.01 | -0.84 |
|        | 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  | 0.00  | 0.00  | 0.00  | 0.00   | -0.13  | 0.56   | 0.94  | 0.00  |
| HUD VL | 42.85 | 37.83 | 33.36 | 31.72 | 24.25 | 29.92 | 35.33 | 38.60 | 38.11 | 39.29 | 40.10 | 60.51 | 150.60 | 94.07 | 55.66 | 43.57 | 44.02 | 46.01 | 43.13 | 114.49 | 103.47 | 58.10  | 48.41 | 38.37 |
| 61758  | 3.87  | 3.25  | 2.79  | 2.60  | 1.88  | 2.36  | 2.99  | 3.60  | 3.52  | 3.73  | 3.68  | 5.49  | 13.41  | 8.98  | 5.22  | 4.04  | 4.16  | 4.25  | 3.88  | 3.26   | 3.40   | 2.84   | 4.04  | 3.16  |
|        | 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  | -0.52 | 0.00  | 0.00  | 0.00  | -76.21 | -63.94 | -24.31 | 0.00  | 0.00  |
| LONGIL | 44.88 | 38.71 | 34.19 | 32.39 | 24.70 | 30.30 | 35.62 | 39.09 | 38.85 | 40.05 | 40.60 | 61.00 | 150.51 | 94.46 | 56.25 | 44.40 | 44.50 | 46.71 | 43.87 | 128.70 | 115.48 | 63.09  | 49.43 | 40.14 |
| 61762  | 4.94  | 4.13  | 3.62  | 3.27  | 2.34  | 2.73  | 3.28  | 4.10  | 4.25  | 4.49  | 4.18  | 5.99  | 13.33  | 9.36  | 5.82  | 4.70  | 4.64  | 4.95  | 4.62  | 3.82   | 3.94   | 3.45   | 5.05  | 3.99  |
|        | -0.97 | 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  | -0.69 | 0.00  | 0.00  | 0.00  | -89.86 | -75.41 | -28.68 | 0.00  | -0.95 |
| MHK VL | 40.01 | 35.45 | 31.40 | 29.93 | 22.99 | 28.44 | 33.45 | 36.34 | 36.03 | 37.09 | 38.04 | 57.52 | 143.73 | 89.22 | 52.74 | 40.80 | 41.58 | 43.61 | 40.93 | 42.46  | 42.73  | 34.25  | 46.26 | 36.51 |
| 61756  | 1.03  | 0.87  | 0.83  | 0.81  | 0.63  | 0.87  | 1.11  | 1.35  | 1.44  | 1.53  | 1.63  | 2.45  | 6.48   | 3.92  | 2.28  | 1.72  | 1.70  | 1.74  | 1.64  | 1.54   | 1.63   | 1.40   | 1.89  | 1.31  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.05 | -0.07  | -0.20 | -0.02 | -0.07 | -0.02 | -0.11 | -0.04 | -5.90  | -4.97  | -1.90  | 0.00  | 0.00  |
| MILLWD | 42.94 | 37.89 | 33.40 | 31.72 | 24.24 | 29.89 | 35.30 | 38.63 | 38.22 | 39.37 | 40.17 | 60.56 | 150.57 | 94.05 | 55.67 | 43.75 | 44.05 | 46.05 | 43.16 | 126.58 | 113.57 | 61.94  | 48.38 | 38.36 |
| 61759  | 3.96  | 3.31  | 2.83  | 2.59  | 1.87  | 2.32  | 2.96  | 3.64  | 3.62  | 3.81  | 3.75  | 5.55  | 13.39  | 8.96  | 5.23  | 4.07  | 4.20  | 4.29  | 3.90  | 3.23   | 3.31   | 2.79   | 4.00  | 3.15  |
|        | 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  | -0.67 | 0.00  | 0.00  | 0.00  | -88.34 | -74.13 | -28.19 | 0.00  | 0.00  |
| N.Y.C. | 43.25 | 38.15 | 33.62 | 31.91 | 24.38 | 30.04 | 35.51 | 38.93 | 38.52 | 39.64 | 40.40 | 60.80 | 150.89 | 94.20 | 55.84 | 43.93 | 44.20 | 46.16 | 43.20 | 127.21 | 114.16 | 62.37  | 48.33 | 38.59 |
| 61761  | 4.27  | 3.57  | 3.05  | 2.79  | 2.01  | 2.47  | 3.17  | 3.94  | 3.92  | 4.08  | 3.99  | 5.78  | 13.71  | 9.11  | 5.40  | 4.23  | 4.35  | 4.41  | 3.95  | 3.11   | 3.14   | 2.74   | 3.96  | 3.24  |
|        | 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  | -0.69 | 0.00  | 0.00  | 0.00  | -89.09 | -74.88 | -28.67 | 0.00  | -0.14 |
| NORTH  | 37.11 | 33.00 | 29.39 | 28.11 | 21.67 | 26.71 | 31.21 | 33.47 | 33.05 | 33.96 | 35.01 | 52.99 | 132.08 | 81.55 | 48.50 | 37.64 | 38.43 | 40.38 | 37.89 | 33.82  | 34.91  | 30.05  | 43.32 | 34.40 |
| 61755  | -1.87 | -1.58 | -1.18 | -1.02 | -0.69 | -0.86 | -1.13 | -1.53 | -1.54 | -1.59 | -1.40 | -2.02 | -5.11  | -3.54 | -1.94 | -1.37 | -1.43 | -1.38 | -1.36 | -1.20  | -1.22  | -0.91  | -1.06 | -0.81 |
|        | 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  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |
| NPX    | 41.59 | 36.91 | 32.59 | 30.88 | 23.63 | 29.17 | 34.27 | 37.16 | 36.66 | 37.64 | 38.26 | 58.06 | 144.53 | 90.05 | 53.03 | 41.27 | 42.02 | 44.07 | 41.54 | 72.79  | 68.35  | 42.80  | 36.05 | 39.96 |
| 61845  | 2.61  | 2.33  | 2.02  | 1.76  | 1.27  | 1.61  | 1.93  | 2.16  | 2.07  | 2.08  | 1.85  | 3.05  | 7.35   | 4.96  | 2.59  | 1.96  | 2.16  | 2.31  | 2.28  | 2.03   | 2.22   | 1.79   | 1.31  | 2.27  |
|        | 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  | -0.30 | 0.00  | 0.00  | 0.00  | -35.74 | -30.00 | -7.99  | -6.53 | 0.99  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |       |       |       |        |        |        |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|
| OH<br>61846   | 39.10 | 34.69 | 30.55 | 15.00 | 22.67 | 28.01 | 32.68 | 34.88 | 34.30 | 35.01 | 35.99 | 53.97 | 134.88 | 81.60 | 30.00 | 37.63 | 36.20 | 36.20 | 37.83 | 33.78  | 34.39  | 32.18  | 28.18 | 37.20 |
|               | 0.11  | 0.11  | -0.02 | -0.17 | 0.31  | 0.44  | 0.35  | -0.11 | -0.30 | -0.55 | -0.42 | -1.05 | -2.30  | -2.93 | -1.41 | -1.40 | -2.05 | -1.64 | -1.45 | -1.24  | -1.74  | -0.72  | 0.50  | -0.50 |
|               | 0.00  | 0.00  | 0.00  | 1.06  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.57  | 6.91  | -0.02 | 0.43  | 1.85  | -0.03 | 0.00   | 0.00   | 0.13   | 0.54  | 0.99  |
| PJM<br>61847  | 40.74 | 36.03 | 31.83 | 30.44 | 23.36 | 28.78 | 33.77 | 36.74 | 36.19 | 37.17 | 37.91 | 57.06 | 142.46 | 88.92 | 52.14 | 40.47 | 41.05 | 42.90 | 40.29 | 75.83  | 68.59  | 43.75  | 44.11 | 38.10 |
|               | 1.76  | 1.45  | 1.26  | 1.32  | 0.99  | 1.21  | 1.43  | 1.75  | 1.60  | 1.61  | 1.50  | 2.01  | 5.24   | 3.24  | 1.69  | 1.14  | 1.18  | 1.08  | 1.02  | 0.97   | 0.80   | 0.82   | 1.51  | 1.26  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.03 | -0.04  | -0.59 | -0.01 | -0.32 | -0.01 | -0.06 | -0.02 | -39.84 | -30.19 | -14.02 | -0.95 | 0.00  |
| WEST<br>61752 | 39.79 | 35.27 | 31.05 | 29.72 | 23.08 | 28.57 | 33.34 | 35.59 | 35.08 | 35.83 | 36.92 | 55.40 | 138.58 | 86.82 | 49.91 | 38.74 | 39.50 | 41.25 | 38.88 | 34.69  | 35.29  | 30.98  | 45.22 | 35.99 |
|               | 0.81  | 0.69  | 0.47  | 0.60  | 0.72  | 1.00  | 1.00  | 0.60  | 0.49  | 0.27  | 0.51  | 0.39  | 1.40   | -0.79 | -0.54 | -0.29 | -0.35 | -0.52 | -0.39 | -0.33  | -0.84  | 0.03   | 0.85  | 0.78  |
|               | 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   | -2.52 | -0.01 | -0.02 | 0.00  | -0.01 | -0.03 | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |