

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

07/09/2020

| 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 | 17.78  | 17.72 | 17.78 | 16.44 | 16.43 | 15.67 | 14.89 | 17.60 | 20.75 | 21.86 | 24.38 | 26.68  | 31.20  | 35.41   | 51.46   | 59.06   | 79.64  | 105.59 | 93.31  | 45.77 | 36.84 | 39.80 | 28.92   | 24.87  |
| 61757  | 1.19   | 1.12  | 1.09  | 1.03  | 1.03  | 0.97  | 0.94  | 1.07  | 1.33  | 1.34  | 1.40  | 1.46   | 1.73   | 1.95    | 2.78    | 3.12    | 4.25   | 5.89   | 5.75   | 2.97  | 2.39  | 2.70  | 1.98    | 1.72   |
|        | 1.30   | 0.09  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 0.45  | 0.60  | 0.31  | 0.88   | 0.05   | 3.10    | 0.31    | 0.21    | 1.75   | 0.60   | 0.00   | 0.00  | 0.00  | 0.00  | 0.06    | 0.17   |
| CENTRL | 18.55  | 17.24 | 17.20 | 15.86 | 15.84 | 15.11 | 14.35 | 17.18 | 20.59 | 21.83 | 24.18 | 27.91  | 33.47  | 44.66   | 59.42   | 65.04   | 86.06  | 109.78 | 93.69  | 44.98 | 37.42 | 40.16 | 28.51   | 25.08  |
| 61754  | 0.66   | 0.56  | 0.52  | 0.46  | 0.44  | 0.41  | 0.41  | 0.51  | 0.63  | 0.72  | 0.87  | 1.15   | 1.35   | 1.78    | 2.41    | 2.94    | 4.18   | 5.48   | 4.40   | 1.98  | 1.69  | 1.48  | 1.00    | 0.67   |
|        | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.13 | -0.08 | 0.00  | -0.01 | -0.66  | -2.59  | -6.31   | -8.03   | -5.94   | -4.74  | -3.99  | -1.74  | -0.21 | -1.28 | -1.59 | -0.51   | -1.09  |
| DUNWOD | 21.30  | 18.32 | 18.16 | 16.76 | 16.68 | 15.90 | 15.21 | 18.02 | 22.32 | 23.79 | 25.73 | 29.49  | 31.93  | 43.84   | 53.41   | 61.14   | 85.87  | 109.18 | 94.29  | 46.07 | 37.06 | 39.99 | 29.39   | 25.68  |
| 61760  | 1.59   | 1.50  | 1.47  | 1.35  | 1.28  | 1.20  | 1.27  | 1.48  | 1.82  | 1.84  | 2.01  | 2.18   | 2.34   | 3.03    | 4.00    | 4.69    | 6.35   | 8.04   | 6.73   | 3.27  | 2.61  | 2.90  | 2.30    | 2.13   |
|        | -1.81  | -0.13 | 0.00  | 0.00  | 0.00  | -0.01 | 0.00  | -0.01 | -0.63 | -0.83 | -0.43 | -1.21  | -0.07  | -4.25   | -0.42   | -0.30   | -2.39  | -0.83  | 0.00   | 0.00  | 0.00  | 0.00  | -0.09   | -0.23  |
| GENESE | 18.84  | 17.42 | 17.27 | 15.84 | 15.76 | 15.08 | 14.27 | 17.10 | 20.54 | 22.08 | 24.44 | 35.82  | 84.78  | 164.94  | 182.89  | 210.18  | 182.48 | 175.55 | 124.31 | 45.78 | 38.62 | 39.07 | 28.36   | 24.03  |
| 61753  | 0.94   | 0.73  | 0.59  | 0.44  | 0.36  | 0.39  | 0.32  | 0.56  | 0.67  | 0.96  | 1.15  | 1.61   | 2.03   | 2.76    | 3.86    | 4.64    | 6.63   | 8.70   | 6.91   | 2.98  | 2.33  | 1.98  | 1.35    | 0.71   |
|        | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -8.11  | -53.23 | -125.62 | -130.05 | -149.39 | -98.71 | -66.54 | -29.84 | -0.01 | -1.84 | 0.00  | 0.00    | 0.00   |
| H Q    | 17.32  | 16.15 | 16.18 | 14.93 | 14.94 | 14.29 | 13.43 | 16.05 | 19.39 | 20.50 | 22.63 | 25.62  | 28.54  | 35.49   | 47.56   | 54.44   | 74.80  | 97.22  | 84.64  | 38.72 | 33.39 | 36.01 | 26.16   | 22.62  |
| 61844  | -0.58  | -0.54 | -0.51 | -0.47 | -0.45 | -0.41 | -0.41 | -0.46 | -0.58 | -0.61 | -0.66 | -0.76  | -0.86  | -1.07   | -1.42   | -1.72   | -2.33  | -3.09  | -2.65  | -1.28 | -1.06 | -1.09 | -0.85   | -0.70  |
|        | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.10  | 0.03  | -0.09 | 0.00  | 0.00  | -0.27  | 0.12   | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.27   | 2.79  | 0.00  | -0.01 | 0.00    | 0.00   |
| HUD VL | 20.52  | 18.03 | 17.92 | 16.54 | 16.48 | 15.71 | 15.01 | 17.76 | 21.81 | 23.23 | 25.24 | 28.79  | 31.53  | 42.21   | 52.72   | 60.41   | 84.35  | 107.94 | 93.54  | 45.73 | 36.78 | 39.64 | 29.03   | 25.29  |
| 61758  | 1.33   | 1.26  | 1.24  | 1.14  | 1.08  | 1.00  | 1.06  | 1.22  | 1.49  | 1.51  | 1.64  | 1.80   | 1.96   | 2.57    | 3.43    | 4.04    | 5.48   | 7.03   | 5.99   | 2.93  | 2.33  | 2.55  | 1.96    | 1.80   |
|        | -1.29  | -0.09 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -0.45 | -0.60 | -0.31 | -0.88  | -0.05  | -3.09   | -0.31   | -0.21   | -1.74  | -0.60  | 0.00   | 0.00  | 0.00  | 0.00  | -0.06   | -0.17  |
| LONGIL | 32.51  | 26.77 | 24.09 | 18.86 | 18.16 | 17.93 | 16.11 | 18.55 | 26.50 | 24.26 | 30.72 | 44.81  | 82.23  | 58.97   | 83.64   | 105.26  | 86.98  | 110.61 | 117.00 | 51.65 | 44.25 | 50.27 | 36.29   | 36.09  |
| 61762  | 2.19   | 2.07  | 2.02  | 1.87  | 1.81  | 1.70  | 1.74  | 2.00  | 2.43  | 2.31  | 2.48  | 2.57   | 2.87   | 3.65    | 4.80    | 5.54    | 7.39   | 9.24   | 7.44   | 3.82  | 3.11  | 3.48  | 2.86    | 2.71   |
|        | -12.42 | -8.01 | -5.38 | -1.59 | -0.96 | -1.53 | -0.43 | -0.02 | -4.20 | -0.84 | -4.94 | -16.14 | -49.84 | -18.76  | -29.85  | -43.56  | -2.46  | -1.06  | -22.00 | -5.03 | -6.69 | -9.70 | -6.43   | -10.06 |
| MHK VL | 18.53  | 17.26 | 17.27 | 15.95 | 15.94 | 15.25 | 14.53 | 17.35 | 20.86 | 22.13 | 24.45 | 27.46  | 31.08  | 38.70   | 51.95   | 58.94   | 81.00  | 105.53 | 92.05  | 45.13 | 36.73 | 39.67 | 41.47   | 27.06  |
| 61756  | 0.63   | 0.57  | 0.59  | 0.54  | 0.55  | 0.55  | 0.59  | 0.75  | 0.94  | 1.01  | 1.16  | 1.36   | 1.51   | 1.88    | 2.34    | 2.74    | 3.87   | 5.09   | 4.47   | 2.25  | 1.94  | 2.02  | 1.37    | 1.05   |
|        | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.07 | -0.04 | 0.00  | 0.00  | 0.00   | -0.05  | -0.25   | -0.62   | -0.04   | 0.00   | -0.13  | -0.02  | -0.09 | -0.34 | -0.55 | -13.10  | -2.70  |
| MILLWD | 21.04  | 18.20 | 18.05 | 16.66 | 16.59 | 15.81 | 15.11 | 17.90 | 22.12 | 23.55 | 25.50 | 29.13  | 31.73  | 43.06   | 53.04   | 60.74   | 85.05  | 108.53 | 93.89  | 45.88 | 36.90 | 39.80 | 29.21   | 25.50  |
| 61759  | 1.47   | 1.39  | 1.36  | 1.25  | 1.19  | 1.11  | 1.17  | 1.36  | 1.67  | 1.69  | 1.84  | 1.99   | 2.16   | 2.83    | 3.70    | 4.33    | 5.84   | 7.49   | 6.33   | 3.08  | 2.45  | 2.70  | 2.13    | 1.96   |
|        | -1.68  | -0.12 | 0.00  | 0.00  | 0.00  | -0.01 | 0.00  | -0.01 | -0.58 | -0.75 | -0.37 | -1.04  | -0.06  | -3.67   | -0.37   | -0.26   | -2.09  | -0.72  | 0.00   | 0.00  | 0.00  | 0.00  | -0.08   | -0.22  |
| N.Y.C. | 21.62  | 18.48 | 18.32 | 16.91 | 16.83 | 16.05 | 15.36 | 18.19 | 22.70 | 23.98 | 25.92 | 29.71  | 32.08  | 44.02   | 53.62   | 61.39   | 86.14  | 109.40 | 94.40  | 46.31 | 37.15 | 40.20 | 31.21   | 57.35  |
| 61761  | 1.77   | 1.67  | 1.63  | 1.50  | 1.43  | 1.35  | 1.42  | 1.65  | 2.02  | 2.03  | 2.20  | 2.37   | 2.48   | 3.20    | 4.21    | 4.94    | 6.61   | 8.27   | 6.84   | 3.39  | 2.70  | 3.11  | 2.53    | 2.34   |
|        | -1.95  | -0.13 | 0.00  | 0.00  | 0.00  | -0.01 | 0.00  | -0.01 | -0.80 | -0.84 | -0.43 | -1.24  | -0.08  | -4.25   | -0.42   | -0.30   | -2.39  | -0.83  | 0.00   | -0.13 | 0.00  | 0.00  | -1.68   | -31.70 |
| NORTH  | 17.31  | 16.13 | 16.19 | 14.92 | 14.93 | 14.32 | 13.60 | 16.21 | 19.46 | 20.70 | 22.88 | 25.61  | 28.94  | 35.77   | 47.97   | 54.88   | 75.47  | 98.15  | 85.92  | 42.08 | 33.81 | 36.53 | 308.79  | 71.36  |
| 61755  | -0.59  | -0.56 | -0.50 | -0.49 | -0.47 | -0.38 | -0.34 | -0.33 | -0.41 | -0.42 | -0.41 | -0.50  | -0.58  | -0.79   | -1.01   | -1.28   | -1.66  | -2.16  | -1.64  | -0.71 | -0.64 | -0.57 | -0.14   | -0.40  |
|        | 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  | -281.93 | -48.44 |
| NPX    | 10.10  | 17.00 | 17.63 | 16.27 | 16.22 | 15.43 | 14.61 | 17.30 | 17.95 | 18.06 | 22.23 | 21.46  | 30.11  | 17.08   | 47.95   | 56.46   | 67.74  | 99.63  | 90.11  | 41.56 | 35.29 | 38.53 | 28.14   | 23.42  |
| 61845  | 0.96   | 0.94  | 0.94  | 0.86  | 0.83  | 0.76  | 0.77  | 0.84  | 1.02  | 0.98  | 1.01  | 0.96   | 1.03   | 1.15    | 1.59    | 1.74    | 2.22   | 2.99   | 3.05   | 1.55  | 1.25  | 1.53  | 1.29    | 1.24   |
|        | 8.75   | 0.63  | 0.00  | 0.00  | 0.00  | 0.03  | 0.10  | 0.08  | 2.95  | 4.04  | 2.06  | 5.61   | 0.44   | 20.63   | 2.63    | 1.44    | 11.61  | 3.67   | 0.50   | 2.79  | 0.41  | 0.09  | 0.15    | 1.14   |

|               |       |       |       |       |       |       |       |       |       |       |       |        |        |         |         |         |         |        |        |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|---------|---------|---------|--------|--------|-------|-------|-------|-------|-------|
| OH<br>61846   | 18.45 | 17.12 | 16.98 | 15.56 | 15.46 | 14.80 | 13.90 | 16.63 | 19.81 | 21.35 | 23.53 | 28.90  | 48.56  | 78.44   | 91.58   | 108.83  | 115.19  | 128.45 | 101.69 | 44.01 | 35.25 | 36.72 | 27.34 | 22.28 |
|               | 0.62  | 0.44  | 0.29  | 0.16  | 0.06  | 0.10  | -0.05 | 0.09  | -0.07 | 0.23  | 0.26  | 0.66   | 0.92   | 1.36    | 2.05    | 2.60    | 3.90    | 5.17   | 3.59   | 1.29  | 1.17  | 0.56  | 0.34  | -0.16 |
|               | 0.07  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | -2.13  | -18.12 | -40.52  | -40.55  | -50.07  | -34.16  | -22.97 | -10.55 | 0.07  | 0.37  | 0.94  | 0.00  | 0.87  |
| PJM<br>61847  | 19.91 | 17.72 | 17.62 | 16.25 | 16.17 | 15.40 | 14.54 | 17.34 | 21.23 | 22.50 | 24.64 | 31.18  | 45.55  | 74.25   | 88.62   | 98.78   | 106.32  | 123.26 | 99.75  | 34.40 | 45.54 | 32.73 | 26.73 | 25.30 |
|               | 1.05  | 0.97  | 0.93  | 0.85  | 0.77  | 0.70  | 0.69  | 0.79  | 0.90  | 0.94  | 1.11  | 1.33   | 1.45   | 1.95    | 2.60    | 3.18    | 4.54    | 5.80   | 4.52   | 2.07  | 1.86  | 1.66  | 1.24  | 1.09  |
|               | -0.96 | -0.07 | 0.00  | 0.00  | 0.00  | 0.00  | 0.10  | -0.02 | -0.46 | -0.44 | -0.24 | -3.74  | -14.58 | -35.74  | -37.04  | -39.44  | -24.65  | -17.15 | -7.67  | 10.47 | -9.23 | 6.02  | 1.51  | -0.90 |
| WEST<br>61752 | 19.12 | 17.68 | 17.54 | 16.08 | 15.98 | 15.29 | 14.39 | 17.20 | 20.54 | 22.09 | 24.53 | 40.45  | 92.05  | 177.96  | 207.00  | 222.38  | 199.55  | 195.86 | 133.17 | 46.16 | 46.95 | 44.54 | 28.36 | 26.38 |
|               | 1.22  | 0.99  | 0.85  | 0.67  | 0.58  | 0.58  | 0.44  | 0.66  | 0.67  | 0.97  | 1.15  | 1.69   | 2.09   | 2.87    | 4.07    | 5.01    | 7.14    | 9.36   | 7.11   | 2.94  | 2.56  | 2.02  | 1.35  | 0.71  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.09 | -12.65 | -60.43 | -138.53 | -153.94 | -161.22 | -115.27 | -86.19 | -38.51 | -0.42 | -9.94 | -5.43 | 0.00  | -2.36 |