

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

04/16/2022

| 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 | 77.68  | 69.76  | 68.46  | 66.16  | 65.07  | 57.61  | 61.54  | 60.77  | 62.72  | 62.78  | 66.82  | 59.36  | 54.54  | 49.92  | 50.31 | 59.65  | 68.34  | 91.93  | 89.33  | 79.63  | 66.88  | 66.17  | 62.53  | 57.85  |
| 61757  | -0.23  | -0.15  | -0.24  | 0.02   | 0.36   | 0.97   | 0.83   | 0.62   | 0.04   | 0.36   | 0.98   | 1.95   | 1.56   | 1.86   | 3.00  | 1.62   | 1.49   | 0.08   | 0.91   | 1.47   | 3.20   | 1.49   | 1.38   | 2.20   |
|        | -81.96 | -72.44 | -72.88 | -65.90 | -58.49 | -39.99 | -46.97 | -49.97 | -62.13 | -56.93 | -51.25 | -27.65 | -29.30 | -21.66 | -2.79 | -34.41 | -46.15 | -90.82 | -76.10 | -57.79 | -19.21 | -43.47 | -41.79 | -23.81 |
| CENTRL | 6.91   | 7.13   | 5.45   | 9.02   | 14.12  | 22.31  | 20.39  | 17.16  | 8.87   | 13.24  | 21.84  | 34.18  | 28.18  | 30.60  | 54.34 | 34.78  | 32.42  | 16.09  | 27.02  | 30.18  | 47.79  | 27.44  | 25.41  | 35.75  |
| 61754  | -0.09  | -0.06  | -0.09  | 0.00   | 0.10   | 0.31   | 0.35   | 0.28   | 0.02   | 0.18   | 0.40   | 0.75   | 0.59   | 0.51   | 0.62  | 0.38   | 0.28   | 0.03   | 0.16   | 0.28   | 0.69   | 0.39   | 0.44   | 0.70   |
|        | -11.05 | -9.72  | -9.71  | -8.78  | -7.81  | -5.36  | -6.30  | -6.70  | -8.30  | -7.56  | -6.85  | -3.67  | -3.91  | -3.68  | -9.20 | -10.77 | -11.43 | -15.04 | -14.54 | -9.52  | -2.63  | -5.83  | -5.61  | -3.21  |
| DUNWOD | 58.08  | 52.62  | 51.09  | 50.53  | 51.27  | 48.51  | 50.70  | 49.07  | 47.62  | 49.07  | 54.77  | 53.29  | 47.94  | 45.04  | 50.50 | 52.03  | 57.40  | 69.87  | 70.97  | 65.87  | 62.86  | 56.04  | 52.75  | 52.75  |
| 61760  | -0.32  | -0.20  | -0.32  | 0.02   | 0.46   | 1.29   | 1.16   | 0.87   | 0.04   | 0.47   | 1.27   | 2.59   | 2.10   | 2.29   | 3.87  | 2.12   | 1.78   | 0.09   | 1.05   | 1.74   | 3.84   | 1.92   | 1.75   | 2.88   |
|        | -62.46 | -55.35 | -55.59 | -50.27 | -44.59 | -30.57 | -35.80 | -38.02 | -47.03 | -43.11 | -38.92 | -20.94 | -22.17 | -16.34 | -2.11 | -26.28 | -34.91 | -68.76 | -57.60 | -43.76 | -14.55 | -32.90 | -31.63 | -18.04 |
| GENESE | 4.11   | 4.69   | 3.05   | 6.82   | 12.05  | 20.63  | 18.52  | 15.25  | 6.77   | 11.26  | 19.81  | 32.50  | 26.52  | 27.71  | 39.69 | 23.69  | 21.18  | 8.04   | 17.21  | 24.85  | 45.70  | 25.36  | 23.53  | 34.10  |
| 61753  | -0.06  | -0.03  | -0.06  | -0.01  | -0.02  | -0.02  | 0.08   | 0.06   | 0.02   | 0.10   | 0.10   | -0.02  | -0.08  | -0.48  | -1.18 | -0.49  | -0.46  | -0.02  | -0.18  | -0.32  | -0.65  | -0.17  | 0.01   | -0.11  |
|        | -8.21  | -7.26  | -7.29  | -6.59  | -5.85  | -4.01  | -4.71  | -5.01  | -6.20  | -5.68  | -5.12  | -2.76  | -2.91  | -1.79  | 3.65  | -0.56  | -0.93  | -7.04  | -5.08  | -4.80  | -1.88  | -4.32  | -4.15  | -2.37  |
| H Q    | -3.99  | -2.49  | -4.11  | 0.24   | 6.14   | 16.41  | 13.49  | 10.00  | 0.53   | 5.37   | 14.29  | 29.18  | 23.22  | 25.98  | 43.92 | 23.28  | 20.44  | 1.01   | 12.16  | 20.10  | 43.85  | 20.88  | 19.03  | 31.30  |
| 61844  | 0.06   | 0.04   | 0.07   | 0.00   | -0.08  | -0.24  | -0.25  | -0.19  | -0.02  | -0.12  | -0.30  | -0.58  | -0.47  | -0.43  | -0.60 | -0.34  | -0.26  | -0.02  | -0.16  | -0.27  | -0.62  | -0.33  | -0.34  | -0.53  |
|        | 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   | 0.00   | 0.00   |
| HUD VL | 57.41  | 52.00  | 50.49  | 49.96  | 50.73  | 48.05  | 50.19  | 48.58  | 47.13  | 48.59  | 54.26  | 52.80  | 47.49  | 44.65  | 50.09 | 51.51  | 56.87  | 69.21  | 70.35  | 65.32  | 62.38  | 55.53  | 52.27  | 52.27  |
| 61758  | -0.29  | -0.18  | -0.29  | 0.02   | 0.42   | 1.17   | 1.05   | 0.79   | 0.04   | 0.43   | 1.15   | 2.32   | 1.87   | 2.07   | 3.49  | 1.90   | 1.61   | 0.09   | 0.96   | 1.60   | 3.51   | 1.75   | 1.59   | 2.59   |
|        | -61.75 | -54.72 | -54.96 | -49.71 | -44.09 | -30.23 | -35.40 | -37.61 | -46.54 | -42.67 | -38.52 | -20.72 | -21.94 | -16.18 | -2.08 | -25.99 | -34.56 | -68.10 | -57.07 | -43.34 | -14.40 | -32.57 | -31.31 | -17.85 |
| LONGIL | 58.02  | 52.58  | 51.02  | 50.55  | 51.42  | 48.90  | 51.06  | 49.18  | 47.65  | 49.15  | 57.44  | 69.85  | 67.93  | 45.13  | 50.98 | 52.30  | 57.70  | 69.91  | 71.17  | 66.24  | 63.64  | 56.38  | 53.06  | 53.33  |
| 61762  | -0.42  | -0.27  | -0.42  | 0.02   | 0.59   | 1.67   | 1.51   | 0.96   | 0.05   | 0.52   | 1.47   | 3.16   | 2.48   | 2.37   | 4.35  | 2.38   | 2.07   | 0.09   | 1.22   | 2.09   | 4.61   | 2.25   | 2.05   | 3.44   |
|        | -62.49 | -55.38 | -55.62 | -50.29 | -44.61 | -30.59 | -35.82 | -38.04 | -47.05 | -43.13 | -41.38 | -36.94 | -41.77 | -16.35 | -2.11 | -26.30 | -34.93 | -68.79 | -57.63 | -43.78 | -14.55 | -32.92 | -31.65 | -18.05 |
| MHK VL | 9.09   | 9.21   | 7.42   | 10.64  | 15.50  | 23.67  | 21.44  | 18.14  | 9.92   | 14.26  | 22.66  | 34.76  | 28.69  | 30.58  | 46.34 | 29.84  | 28.75  | 16.00  | 25.02  | 30.24  | 49.08  | 28.77  | 26.60  | 36.64  |
| 61756  | -0.10  | -0.06  | -0.09  | 0.00   | 0.15   | 0.44   | 0.43   | 0.33   | 0.02   | 0.20   | 0.49   | 0.93   | 0.75   | 0.85   | 1.38  | 0.77   | 0.65   | 0.03   | 0.42   | 0.73   | 1.60   | 0.73   | 0.61   | 0.97   |
|        | -13.24 | -11.80 | -11.69 | -10.39 | -9.13  | -6.59  | -7.27  | -7.62  | -9.35  | -8.57  | -7.58  | -4.07  | -4.26  | -3.32  | -0.44 | -5.44  | -7.40  | -14.94 | -12.28 | -9.13  | -3.01  | -6.83  | -6.62  | -3.83  |
| MILLWD | 58.27  | 52.77  | 51.25  | 50.66  | 51.37  | 48.54  | 50.75  | 49.15  | 47.76  | 49.19  | 54.87  | 53.27  | 47.95  | 45.02  | 50.36 | 52.02  | 57.45  | 70.10  | 71.13  | 65.96  | 62.79  | 56.09  | 52.79  | 52.70  |
| 61759  | -0.31  | -0.19  | -0.31  | 0.02   | 0.44   | 1.24   | 1.11   | 0.84   | 0.04   | 0.45   | 1.23   | 2.50   | 2.03   | 2.22   | 3.73  | 2.04   | 1.72   | 0.09   | 1.02   | 1.69   | 3.73   | 1.87   | 1.70   | 2.77   |
|        | -62.63 | -55.50 | -55.74 | -50.41 | -44.71 | -30.65 | -35.90 | -38.13 | -47.17 | -43.24 | -39.04 | -21.01 | -22.24 | -16.40 | -2.11 | -26.36 | -35.02 | -68.98 | -57.79 | -43.89 | -14.59 | -33.01 | -31.73 | -18.09 |
| N.Y.C. | 58.08  | 52.62  | 51.09  | 50.54  | 51.32  | 48.60  | 50.80  | 49.15  | 47.64  | 49.12  | 54.87  | 53.40  | 34.19  | 44.81  | 50.77 | 52.19  | 57.52  | 69.45  | 70.40  | 65.42  | 62.89  | 56.17  | 52.88  | 52.97  |
| 61761  | -0.34  | -0.21  | -0.34  | 0.02   | 0.49   | 1.37   | 1.25   | 0.94   | 0.05   | 0.51   | 1.36   | 2.77   | 2.22   | 2.46   | 4.14  | 2.27   | 1.89   | 0.10   | 1.10   | 1.83   | 4.03   | 2.05   | 1.88   | 3.08   |
|        | -62.46 | -55.37 | -55.61 | -50.28 | -44.61 | -30.58 | -35.81 | -38.03 | -47.05 | -43.12 | -38.93 | -20.87 | -8.29  | -15.95 | -2.11 | -26.29 | -34.92 | -68.32 | -56.99 | -43.21 | -14.39 | -32.91 | -31.64 | -18.05 |
| NORTH  | -3.95  | -2.47  | -4.06  | 0.24   | 6.10   | 16.29  | 13.42  | 9.96   | 0.53   | 5.37   | 14.26  | 28.96  | 23.01  | 25.82  | 43.79 | 23.26  | 20.46  | 1.00   | 12.24  | 20.27  | 44.27  | 21.00  | 19.08  | 31.37  |
| 61755  | 0.10   | 0.07   | 0.12   | 0.00   | -0.11  | -0.35  | -0.31  | -0.22  | -0.02  | -0.13  | -0.33  | -0.79  | -0.67  | -0.58  | -0.73 | -0.37  | -0.24  | -0.03  | -0.08  | -0.11  | -0.20  | -0.21  | -0.29  | -0.46  |
|        | 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   |
| NPX    | 66.45  | 59.61  | 58.55  | 57.18  | 57.04  | 52.19  | 55.05  | 53.83  | 54.01  | 54.78  | 59.69  | 55.33  | 50.35  | 46.63  | 49.61 | 54.10  | 61.62  | 79.20  | 78.52  | 71.32  | 63.73  | 59.91  | 56.53  | 54.87  |
| 61845  | -0.22  | -0.13  | -0.22  | 0.01   | 0.33   | 0.93   | 0.78   | 0.57   | 0.04   | 0.32   | 0.89   | 1.79   | 1.49   | 1.66   | 2.70  | 1.43   | 1.26   | 0.07   | 0.76   | 1.24   | 2.73   | 1.32   | 1.24   | 2.04   |
|        | -70.72 | -62.28 | -62.95 | -56.92 | -50.49 | -34.62 | -40.54 | -43.08 | -53.42 | -48.97 | -44.21 | -23.79 | -25.18 | -18.57 | -2.39 | -29.04 | -39.66 | -78.10 | -65.44 | -49.71 | -16.52 | -37.38 | -35.93 | -21.00 |

|               |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |        |        |        |        |        |       |        |        |        |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| OH<br>61846   | 5.85   | 6.22   | 4.60   | 8.19   | 13.19  | 21.23  | 19.31  | 16.24  | 8.05   | 12.36  | 20.56  | 32.32  | 26.51 | 26.43 | 28.42 | 16.77  | 16.23  | 7.27   | 13.72  | 23.42  | 44.54 | 25.66  | 23.97  | 33.94  |
|               | -0.03  | -0.02  | -0.04  | -0.02  | -0.11  | -0.27  | -0.12  | -0.12  | 0.02   | 0.01   | -0.22  | -0.77  | -0.70 | -1.35 | -2.72 | -1.24  | -1.10  | -0.05  | -0.58  | -1.00  | -2.14 | -0.77  | -0.41  | -0.75  |
|               | -9.93  | -8.77  | -8.82  | -7.97  | -7.07  | -4.85  | -5.69  | -6.18  | -7.48  | -6.86  | -6.19  | -3.33  | -3.53 | -1.38 | 13.38 | 5.62   | 3.37   | -6.30  | -1.98  | -4.05  | -2.21 | -5.22  | -5.02  | -2.86  |
| PJM<br>61847  | 34.93  | 32.07  | 30.49  | 31.81  | 34.51  | 36.66  | 37.00  | 34.66  | 30.13  | 32.90  | 39.79  | 44.24  | 3.44  | 36.83 | 47.63 | 41.17  | 43.47  | 43.46  | 47.85  | 47.68  | 55.08 | 42.87  | 40.27  | 44.91  |
|               | -0.23  | -0.14  | -0.23  | 0.01   | 0.29   | 0.82   | 0.77   | 0.58   | 0.04   | 0.32   | 0.76   | 1.50   | 1.22  | 1.18  | 1.79  | 1.04   | 0.84   | 0.06   | 0.48   | 0.77   | 1.74  | 1.00   | 1.04   | 1.75   |
|               | -39.20 | -34.75 | -34.90 | -31.56 | -28.00 | -19.20 | -22.49 | -23.90 | -29.55 | -27.08 | -24.44 | -12.99 | 21.46 | -9.24 | -1.32 | -16.50 | -21.93 | -42.37 | -35.05 | -26.54 | -8.87 | -20.66 | -19.86 | -11.33 |
| WEST<br>61752 | 6.44   | 6.77   | 5.12   | 8.74   | 13.80  | 21.96  | 20.05  | 16.81  | 8.59   | 13.01  | 21.43  | 33.46  | 27.43 | 27.16 | 27.70 | 16.04  | 15.61  | 7.30   | 13.49  | 23.92  | 45.86 | 26.59  | 24.85  | 35.04  |
|               | -0.12  | -0.07  | -0.12  | -0.01  | 0.03   | 0.13   | 0.24   | 0.17   | 0.04   | 0.18   | 0.21   | 0.13   | -0.04 | -0.63 | -1.56 | -0.65  | -0.60  | -0.01  | -0.27  | -0.53  | -0.97 | -0.21  | 0.12   | 0.14   |
|               | -10.61 | -9.38  | -9.42  | -8.52  | -7.55  | -5.18  | -6.08  | -6.46  | -8.00  | -7.34  | -6.64  | -3.57  | -3.78 | -1.39 | 15.27 | 6.94   | 4.50   | -6.28  | -1.44  | -4.07  | -2.35 | -5.58  | -5.37  | -3.06  |