

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

11/26/2022

| 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   | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST    | EST     | EST     | EST     | EST     | EST     | EST    | EST    | EST    |
| CAPITL | 69.72  | 70.01  | 78.98  | 87.13  | 71.04  | 72.47  | 78.94  | 77.49  | 66.80  | 59.59  | 71.41  | 62.61  | 67.99  | 77.02  | 79.61  | 84.76  | 94.32   | 151.58  | 112.83  | 116.42  | 102.07  | 87.82  | 82.51  | 79.74  |
| 61757  | 0.19   | 0.19   | 0.02   | -0.07  | 0.26   | 0.06   | -0.03  | -0.26  | -0.14  | 0.33   | 0.15   | 0.25   | -0.01  | -0.25  | -0.27  | -0.30  | -0.32   | -0.41   | -0.27   | -0.33   | -0.36   | -0.14  | 0.15   | -0.18  |
|        | -64.93 | -65.02 | -78.43 | -88.87 | -64.27 | -70.99 | -79.68 | -83.81 | -70.17 | -51.73 | -67.58 | -56.42 | -68.15 | -83.53 | -86.20 | -91.90 | -101.51 | -160.14 | -118.67 | -123.67 | -109.55 | -90.81 | -79.02 | -84.25 |
| CENTRL | 10.55  | 10.74  | 7.56   | 6.26   | 12.41  | 7.81   | 6.56   | 1.35   | 2.98   | 12.22  | 9.58   | 10.89  | 5.65   | 0.74   | 0.94   | 1.01   | 2.02    | 6.04    | 4.94    | 4.03    | 2.51    | 5.25   | 10.58  | 3.11   |
| 61754  | 0.11   | 0.11   | 0.01   | -0.04  | 0.14   | 0.03   | -0.02  | -0.18  | -0.10  | 0.16   | 0.07   | 0.12   | 0.00   | -0.16  | -0.17  | -0.19  | -0.19   | -0.26   | -0.18   | -0.25   | -0.24   | -0.10  | 0.11   | -0.13  |
|        | -5.84  | -5.83  | -7.03  | -7.97  | -5.77  | -6.36  | -7.30  | -7.58  | -6.30  | -4.53  | -5.84  | -4.84  | -5.81  | -7.17  | -7.43  | -8.03  | -9.09   | -14.45  | -10.70  | -11.20  | -9.87   | -8.19  | -7.12  | -7.56  |
| DUNWOD | 43.86  | 43.93  | 47.38  | 51.26  | 45.31  | 43.89  | 48.81  | 44.61  | 38.42  | 38.96  | 44.32  | 40.13  | 40.69  | 43.13  | 44.91  | 47.85  | 53.16   | 86.66   | 64.69   | 66.21   | 57.52   | 51.50  | 50.50  | 46.04  |
| 61760  | 0.34   | 0.35   | 0.04   | -0.11  | 0.45   | 0.10   | -0.05  | -0.43  | -0.25  | 0.59   | 0.31   | 0.53   | -0.01  | -0.55  | -0.54  | -0.53  | -0.50   | -0.62   | -0.46   | -0.58   | -0.59   | -0.23  | 0.29   | -0.38  |
|        | -38.92 | -38.79 | -46.81 | -53.04 | -38.35 | -42.37 | -49.57 | -51.09 | -41.89 | -30.83 | -40.33 | -33.66 | -40.86 | -49.95 | -51.78 | -55.22 | -60.54  | -95.44  | -70.73  | -73.71  | -65.23  | -54.57 | -46.85 | -50.74 |
| GENESE | 9.41   | 9.59   | 6.18   | 4.68   | 11.27  | 6.57   | 5.10   | -0.18  | 1.73   | 11.28  | 8.51   | 9.99   | 4.68   | -0.52  | -0.37  | -0.48  | 0.21    | 3.05    | 2.74    | 1.70    | 0.47    | 3.57   | 9.09   | 1.62   |
| 61753  | 0.13   | 0.12   | 0.01   | -0.05  | 0.14   | 0.04   | -0.03  | -0.22  | -0.10  | 0.06   | 0.03   | 0.05   | -0.02  | -0.19  | -0.19  | -0.20  | -0.19   | -0.28   | -0.21   | -0.28   | -0.28   | -0.13  | 0.09   | -0.12  |
|        | -4.68  | -4.68  | -5.65  | -6.40  | -4.63  | -5.11  | -5.84  | -6.09  | -5.05  | -3.69  | -4.81  | -4.01  | -4.85  | -5.93  | -6.14  | -6.56  | -7.27   | -11.49  | -8.53   | -8.89   | -7.87   | -6.55  | -5.66  | -6.07  |
| H Q    | 4.54   | 4.73   | 0.52   | -1.65  | 6.43   | 1.41   | -0.71  | -5.98  | -3.19  | 7.47   | 3.64   | 5.87   | -0.15  | -6.19  | -6.24  | -6.76  | -6.79   | -8.04   | -5.49   | -6.80   | -7.01   | -2.79  | 3.30   | -4.26  |
| 61844  | -0.06  | -0.06  | -0.01  | 0.02   | -0.07  | -0.02  | 0.01   | 0.07   | 0.04   | -0.06  | -0.03  | -0.06  | 0.00   | 0.08   | 0.08   | 0.08   | 0.08    | 0.12    | 0.09    | 0.11    | 0.11    | 0.05   | -0.05  | 0.07   |
|        | 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   |
| HUD VL | 42.96  | 43.06  | 46.31  | 50.07  | 44.46  | 42.93  | 47.10  | 43.01  | 37.37  | 38.14  | 43.19  | 39.14  | 39.44  | 41.64  | 43.31  | 46.19  | 51.52   | 84.17   | 62.87   | 64.28   | 55.77   | 50.16  | 49.44  | 44.67  |
| 61758  | 0.36   | 0.36   | 0.04   | -0.12  | 0.47   | 0.11   | -0.05  | -0.47  | -0.26  | 0.60   | 0.30   | 0.51   | -0.01  | -0.53  | -0.54  | -0.55  | -0.54   | -0.68   | -0.50   | -0.62   | -0.64   | -0.25  | 0.31   | -0.39  |
|        | -38.01 | -37.91 | -45.75 | -51.85 | -37.48 | -41.40 | -47.87 | -49.53 | -40.86 | -30.00 | -39.21 | -32.70 | -39.61 | -48.43 | -50.17 | -53.58 | -58.94  | -93.01  | -68.94  | -71.83  | -63.52  | -53.26 | -45.78 | -49.38 |
| LONGIL | 43.99  | 44.08  | 47.42  | 51.25  | 45.50  | 43.95  | 48.83  | 44.61  | 38.42  | 39.09  | 44.43  | 40.27  | 40.71  | 43.03  | 44.81  | 47.77  | 53.17   | 86.62   | 64.66   | 66.13   | 57.39   | 51.48  | 50.60  | 45.99  |
| 61762  | 0.45   | 0.47   | 0.05   | -0.15  | 0.62   | 0.14   | -0.05  | -0.46  | -0.27  | 0.70   | 0.40   | 0.65   | -0.01  | -0.67  | -0.67  | -0.64  | -0.53   | -0.72   | -0.53   | -0.70   | -0.75   | -0.27  | 0.38   | -0.48  |
|        | -38.94 | -38.81 | -46.84 | -53.07 | -38.38 | -42.39 | -49.60 | -51.12 | -41.92 | -30.85 | -40.36 | -33.69 | -40.88 | -49.97 | -51.80 | -55.25 | -60.57  | -95.49  | -70.77  | -73.75  | -65.26  | -54.60 | -46.88 | -50.80 |
| MHK VL | 11.28  | 11.46  | 8.35   | 7.13   | 13.10  | 8.55   | 7.33   | 1.98   | 3.31   | 12.64  | 10.19  | 11.43  | 6.14   | 1.33   | 1.59   | 2.17   | 6.38    | 5.25    | 4.47    | 2.92    | 5.66    | 10.93  | 3.44   |        |
| 61756  | 0.15   | 0.16   | 0.02   | -0.05  | 0.22   | 0.05   | -0.03  | -0.23  | -0.12  | 0.27   | 0.12   | 0.19   | 0.00   | -0.17  | -0.17  | -0.21  | -0.25   | -0.32   | -0.22   | -0.27   | -0.28   | -0.11  | 0.13   | -0.15  |
|        | -6.53  | -6.51  | -7.81  | -8.85  | -6.38  | -7.08  | -8.07  | -8.26  | -6.66  | -4.84  | -6.39  | -5.31  | -6.29  | -7.77  | -8.09  | -8.65  | -9.29   | -14.85  | -11.04  | -11.65  | -10.31  | -8.62  | -7.45  | -7.92  |
| MILLWD | 43.95  | 44.03  | 47.49  | 51.39  | 45.40  | 43.99  | 48.86  | 44.70  | 38.52  | 39.03  | 44.41  | 40.20  | 40.79  | 43.27  | 45.04  | 47.97  | 53.29   | 86.87   | 64.86   | 66.38   | 57.67   | 51.62  | 50.62  | 46.15  |
| 61759  | 0.34   | 0.35   | 0.04   | -0.11  | 0.45   | 0.10   | -0.05  | -0.43  | -0.25  | 0.58   | 0.30   | 0.52   | -0.01  | -0.54  | -0.53  | -0.52  | -0.50   | -0.62   | -0.46   | -0.58   | -0.59   | -0.23  | 0.29   | -0.38  |
|        | -39.01 | -38.89 | -46.93 | -53.17 | -38.45 | -42.47 | -49.62 | -51.18 | -41.99 | -30.91 | -40.43 | -33.75 | -40.96 | -50.07 | -51.90 | -55.33 | -60.66  | -95.65  | -70.90  | -73.88  | -65.38  | -54.70 | -46.98 | -50.85 |
| N.Y.C. | 43.90  | 43.97  | 47.40  | 51.28  | 45.35  | 43.91  | 48.83  | 44.61  | 38.42  | 39.01  | 44.36  | 40.18  | 40.70  | 43.11  | 44.89  | 47.84  | 53.17   | 86.69   | 64.70   | 66.22   | 57.52   | 51.50  | 50.53  | 46.04  |
| 61761  | 0.37   | 0.37   | 0.04   | -0.12  | 0.47   | 0.11   | -0.05  | -0.45  | -0.26  | 0.63   | 0.34   | 0.57   | -0.01  | -0.59  | -0.58  | -0.56  | -0.52   | -0.63   | -0.48   | -0.60   | -0.61   | -0.24  | 0.31   | -0.40  |
|        | -38.94 | -38.81 | -46.84 | -53.06 | -38.37 | -42.39 | -49.59 | -51.11 | -41.91 | -30.85 | -40.35 | -33.68 | -40.87 | -49.97 | -51.80 | -55.24 | -60.56  | -95.48  | -70.76  | -73.74  | -65.25  | -54.59 | -46.87 | -50.76 |
| NORTH  | 4.55   | 4.74   | 0.52   | -1.65  | 6.47   | 1.42   | -0.71  | -6.03  | -3.21  | 7.52   | 3.67   | 5.89   | -0.15  | -6.16  | -6.20  | -6.73  | -6.75   | -8.00   | -5.45   | -6.75   | -6.95   | -2.78  | 3.28   | -4.21  |
| 61755  | -0.05  | -0.06  | 0.00   | 0.02   | -0.03  | 0.00   | 0.00   | 0.02   | 0.02   | -0.01  | 0.00   | -0.04  | 0.00   | 0.10   | 0.12   | 0.12   | 0.12    | 0.16    | 0.13    | 0.17    | 0.17    | 0.07   | -0.07  | 0.11   |
|        | 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   | 0.00   | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.00   | 0.00   | 0.00   |
| NPX    | 55.64  | 56.54  | 62.49  | 68.44  | 57.50  | 57.54  | 57.76  | 57.40  | 52.05  | 48.68  | 57.27  | 50.80  | 53.63  | 59.65  | 61.25  | 64.99  | 73.08   | 117.97  | 87.91   | 90.45   | 79.01   | 67.49  | 66.15  | 60.73  |
| 61845  | 0.19   | 0.19   | 0.02   | -0.07  | 0.25   | 0.05   | -0.03  | -0.21  | -0.12  | 0.29   | 0.15   | 0.26   | 0.00   | -0.27  | -0.27  | -0.27  | -0.27   | -0.33   | -0.24   | -0.30   | -0.30   | -0.11  | 0.13   | -0.18  |
|        | -50.85 | -51.55 | -61.94 | -70.18 | -50.75 | -56.07 | -58.50 | -63.66 | -55.40 | -40.86 | -53.45 | -44.61 | -53.79 | -66.18 | -67.84 | -72.10 | -80.22  | -126.46 | -93.72  | -97.67  | -86.43  | -70.45 | -62.67 | -65.25 |

|               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| OH<br>61846   | 10.19  | 10.37  | 7.15   | 5.78   | 12.02  | 7.43   | 6.10   | 0.88   | 2.62   | 11.86  | 9.36   | 10.69  | 5.59   | 0.59   | 0.78   | 0.77   | 1.58   | 5.16   | 4.29   | 3.30   | 1.90   | 4.72   | 10.03  | 2.71   |
|               | 0.11   | 0.09   | 0.01   | -0.05  | 0.10   | 0.02   | -0.02  | -0.19  | -0.07  | -0.03  | -0.01  | -0.01  | -0.03  | -0.21  | -0.19  | -0.17  | -0.10  | -0.18  | -0.13  | -0.20  | -0.20  | -0.11  | 0.05   | -0.08  |
|               | -5.49  | -5.48  | -6.62  | -7.49  | -5.42  | -5.99  | -6.84  | -7.13  | -5.92  | -4.36  | -5.70  | -4.76  | -5.77  | -7.06  | -7.30  | -7.78  | -8.56  | -13.49 | -10.00 | -10.42 | -9.22  | -7.67  | -6.63  | -7.12  |
| PJM<br>61847  | 26.62  | 26.74  | 26.75  | 27.94  | 28.27  | 25.20  | 26.92  | 22.17  | 20.04  | 25.16  | 26.44  | 25.13  | 22.69  | 21.25  | 22.22  | 23.64  | 26.66  | 44.83  | 33.69  | 33.92  | 28.96  | 27.52  | 29.79  | 23.78  |
|               | 0.24   | 0.24   | 0.03   | -0.08  | 0.30   | 0.07   | -0.04  | -0.33  | -0.18  | 0.36   | 0.19   | 0.35   | -0.01  | -0.43  | -0.42  | -0.40  | -0.34  | -0.43  | -0.31  | -0.42  | -0.43  | -0.17  | 0.21   | -0.28  |
|               | -21.78 | -21.71 | -26.21 | -29.69 | -21.47 | -23.71 | -27.67 | -28.55 | -23.45 | -17.26 | -22.58 | -18.84 | -22.86 | -27.95 | -28.97 | -30.89 | -33.88 | -53.41 | -39.59 | -41.25 | -36.51 | -30.53 | -26.23 | -28.38 |
| WEST<br>61752 | 10.60  | 10.77  | 7.57   | 6.23   | 12.42  | 7.82   | 6.50   | 1.23   | 2.94   | 12.27  | 9.78   | 11.08  | 5.93   | 0.91   | 1.12   | 1.14   | 2.00   | 5.85   | 4.81   | 3.83   | 2.35   | 5.17   | 10.53  | 3.09   |
|               | 0.18   | 0.16   | 0.02   | -0.07  | 0.18   | 0.04   | -0.03  | -0.28  | -0.12  | 0.11   | 0.05   | 0.10   | -0.03  | -0.31  | -0.30  | -0.28  | -0.20  | -0.30  | -0.21  | -0.30  | -0.30  | -0.12  | 0.15   | -0.14  |
|               | -5.82  | -5.82  | -7.03  | -7.97  | -5.74  | -6.36  | -7.25  | -7.56  | -6.28  | -4.63  | -6.06  | -5.05  | -6.11  | -7.48  | -7.75  | -8.26  | -9.08  | -14.31 | -10.60 | -11.06 | -9.78  | -8.14  | -7.04  | -7.55  |