

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

05/02/2023

| 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 | 21.13 | 20.07 | 19.33 | 19.34 | 20.25 | 21.44 | 23.73 | 24.87 | 26.38 | 19.77 | 17.87  | 12.75  | 13.79 | 22.70 | 24.23 | 21.64 | 21.47 | 21.99 | 24.25 | 31.02 | 37.21 | 27.62 | 24.92 | 22.04 |
| 61757  | 1.00  | 0.88  | 0.87  | 0.86  | 0.88  | 0.94  | 1.12  | 1.23  | 1.28  | 0.94  | 0.81   | 0.44   | 0.70  | 1.08  | 1.11  | 0.96  | 0.97  | 1.02  | 1.30  | 1.72  | 2.05  | 1.48  | 1.22  | 1.03  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.80 | -0.90 | -1.96 | 0.00  | -1.80  | -4.06  | 0.20  | 0.01  | 0.00  | -0.13 | -1.18 | -2.20 | -0.23 | -0.45 | -0.22 | 0.00  | 0.00  | 0.00  |
| CENTRL | 20.47 | 19.51 | 18.78 | 18.76 | 19.70 | 20.89 | 21.47 | 23.44 | 24.47 | 23.26 | 24.56  | 10.08  | 13.83 | 21.95 | 25.28 | 21.20 | 21.38 | 21.74 | 27.25 | 35.59 | 43.90 | 33.12 | 26.76 | 21.74 |
| 61754  | 0.34  | 0.32  | 0.33  | 0.29  | 0.33  | 0.39  | 0.39  | 0.45  | 0.53  | 0.49  | 0.36   | 0.16   | 0.16  | 0.28  | 0.29  | 0.26  | 0.24  | 0.31  | 0.40  | 0.62  | 0.83  | 0.60  | 0.39  | 0.29  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.27 | -0.26 | -0.80 | -3.95 | -8.95  | -1.67  | -0.38 | -0.04 | -1.87 | -0.38 | -1.82 | -2.65 | -4.12 | -6.12 | -8.14 | -6.38 | -2.67 | -0.44 |
| DUNWOD | 21.74 | 20.60 | 19.82 | 19.83 | 20.77 | 22.04 | 24.09 | 25.57 | 27.10 | 24.42 | 24.74  | 23.20  | 23.73 | 24.18 | 25.50 | 22.93 | 22.30 | 22.54 | 25.30 | 32.30 | 38.86 | 28.90 | 25.99 | 22.95 |
| 61760  | 1.61  | 1.41  | 1.36  | 1.36  | 1.40  | 1.53  | 1.82  | 2.11  | 2.40  | 1.97  | 1.64   | 0.87   | 1.39  | 2.26  | 2.34  | 2.07  | 2.01  | 1.97  | 2.38  | 3.08  | 3.75  | 2.75  | 2.29  | 1.95  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.47 | -0.72 | -1.56 | -3.62 | -7.85  | -14.07 | -9.05 | -0.29 | -0.04 | -0.30 | -0.97 | -1.80 | -0.18 | -0.37 | -0.18 | 0.00  | 0.00  | 0.00  |
| GENESE | 20.18 | 19.32 | 18.65 | 18.60 | 19.48 | 20.74 | 21.06 | 22.65 | 22.87 | 12.81 | 0.88   | 8.35   | 13.32 | 20.85 | 17.75 | 19.15 | 17.07 | 16.16 | 18.30 | 23.31 | 23.64 | 20.92 | 21.09 | 20.18 |
| 61753  | 0.10  | 0.21  | 0.28  | 0.17  | 0.21  | 0.31  | 0.15  | 0.03  | 0.07  | 0.04  | -0.07  | -0.05  | -0.28 | -0.34 | -0.37 | -0.31 | -0.39 | -0.23 | -0.35 | -0.25 | -0.20 | -0.04 | -0.37 | -0.46 |
|        | 0.05  | 0.08  | 0.09  | 0.04  | 0.09  | 0.08  | -0.10 | 0.11  | 0.34  | 6.06  | 14.30  | -0.15  | -0.31 | 0.45  | 5.00  | 1.10  | 1.85  | 2.38  | 4.08  | 5.29  | 11.09 | 5.18  | 2.24  | 0.37  |
| H Q    | 19.87 | 18.99 | 18.25 | 18.28 | 19.17 | 20.29 | 20.50 | 22.37 | 22.72 | 18.47 | 14.95  | 8.10   | 13.08 | 21.34 | 22.85 | 20.32 | 19.05 | 18.47 | 22.34 | 28.29 | 34.26 | 0.00  | 23.41 | 20.78 |
| 61844  | -0.25 | -0.20 | -0.20 | -0.19 | -0.20 | -0.21 | -0.31 | -0.36 | -0.42 | -0.36 | -0.30  | -0.15  | -0.20 | -0.30 | -0.27 | -0.24 | -0.26 | -0.30 | -0.39 | -0.55 | -0.67 | -0.47 | -0.28 | -0.23 |
|        | 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  | 25.67 | 0.00  | 0.00  |
| HUD VL | 21.58 | 20.46 | 19.68 | 19.71 | 20.64 | 21.91 | 23.93 | 25.36 | 26.99 | 23.89 | 23.96  | 21.98  | 22.69 | 23.99 | 25.34 | 22.76 | 22.17 | 22.46 | 25.24 | 32.23 | 38.80 | 28.84 | 25.92 | 22.90 |
| 61758  | 1.45  | 1.26  | 1.23  | 1.23  | 1.27  | 1.40  | 1.67  | 1.91  | 2.29  | 1.86  | 1.54   | 0.82   | 1.31  | 2.10  | 2.18  | 1.92  | 1.89  | 1.90  | 2.32  | 3.02  | 3.70  | 2.70  | 2.23  | 1.89  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.46 | -0.71 | -1.55 | -3.20 | -7.17  | -12.91 | -8.10 | -0.26 | -0.04 | -0.28 | -0.96 | -1.78 | -0.18 | -0.37 | -0.18 | 0.00  | 0.00  | 0.00  |
| LONGIL | 22.08 | 20.89 | 20.02 | 20.03 | 21.02 | 22.38 | 24.53 | 26.07 | 33.43 | 24.74 | 66.34  | 23.24  | 23.80 | 24.36 | 25.70 | 23.21 | 24.34 | 22.58 | 25.44 | 32.51 | 39.11 | 29.17 | 26.35 | 23.14 |
| 61762  | 1.95  | 1.70  | 1.57  | 1.55  | 1.66  | 1.87  | 2.25  | 2.62  | 2.98  | 2.28  | 1.90   | 0.90   | 1.45  | 2.43  | 2.54  | 2.34  | 2.31  | 2.00  | 2.53  | 3.30  | 4.00  | 3.03  | 2.65  | 2.14  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.47 | -0.72 | -7.31 | -3.63 | -49.19 | -14.08 | -9.07 | -0.29 | -0.04 | -0.30 | -2.71 | -1.80 | -0.18 | -0.37 | -0.18 | 0.00  | 0.00  | 0.00  |
| MHK VL | 20.73 | 19.76 | 18.98 | 19.00 | 19.99 | 21.23 | 22.02 | 23.88 | 24.53 | 20.02 | 16.72  | 10.63  | 14.85 | 22.40 | 23.92 | 21.32 | 20.25 | 19.94 | 23.77 | 30.20 | 36.60 | 27.30 | 24.57 | 21.69 |
| 61756  | 0.60  | 0.56  | 0.52  | 0.52  | 0.62  | 0.72  | 0.85  | 0.97  | 1.00  | 0.77  | 0.57   | 0.30   | 0.48  | 0.74  | 0.80  | 0.71  | 0.70  | 0.74  | 0.99  | 1.27  | 1.63  | 1.15  | 0.87  | 0.68  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.36 | -0.17 | -0.38 | -0.42 | -0.89  | -2.08  | -1.08 | -0.03 | -0.01 | -0.05 | -0.24 | -0.43 | -0.04 | -0.09 | -0.04 | 0.00  | 0.00  | 0.00  |
| MILLWD | 21.67 | 20.54 | 19.76 | 19.78 | 20.71 | 21.99 | 24.06 | 25.51 | 27.06 | 24.37 | 24.72  | 23.20  | 23.71 | 24.13 | 25.45 | 22.87 | 22.25 | 22.51 | 25.28 | 32.27 | 38.83 | 28.86 | 25.95 | 22.92 |
| 61759  | 1.54  | 1.34  | 1.31  | 1.30  | 1.34  | 1.49  | 1.78  | 2.06  | 2.34  | 1.91  | 1.61   | 0.85   | 1.36  | 2.21  | 2.29  | 2.01  | 1.96  | 1.93  | 2.36  | 3.05  | 3.72  | 2.71  | 2.25  | 1.91  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.47 | -0.72 | -1.57 | -3.63 | -7.86  | -14.09 | -9.06 | -0.29 | -0.04 | -0.30 | -0.97 | -1.80 | -0.18 | -0.37 | -0.18 | 0.00  | 0.00  | 0.00  |
| N.Y.C. | 21.84 | 20.69 | 19.90 | 19.92 | 20.84 | 22.12 | 24.22 | 25.73 | 27.26 | 24.57 | 24.87  | 23.28  | 23.85 | 24.37 | 25.70 | 23.10 | 22.45 | 22.68 | 25.44 | 32.46 | 39.07 | 29.06 | 26.14 | 23.11 |
| 61761  | 1.71  | 1.50  | 1.45  | 1.45  | 1.48  | 1.62  | 1.94  | 2.28  | 2.55  | 2.11  | 1.77   | 0.94   | 1.50  | 2.44  | 2.54  | 2.24  | 2.17  | 2.11  | 2.53  | 3.25  | 3.96  | 2.91  | 2.44  | 2.10  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.47 | -0.72 | -1.56 | -3.63 | -7.86  | -14.08 | -9.06 | -0.29 | -0.04 | -0.30 | -0.97 | -1.80 | -0.18 | -0.37 | -0.18 | 0.00  | 0.00  | 0.00  |
| NORTH  | 19.98 | 19.13 | 18.39 | 18.41 | 19.33 | 20.47 | 20.78 | 22.67 | 22.96 | 18.67 | 15.10  | 8.20   | 13.24 | 21.57 | 23.09 | 20.52 | 19.25 | 18.73 | 22.71 | 28.71 | 34.78 | 26.10 | 23.70 | 20.98 |
| 61755  | -0.15 | -0.06 | -0.07 | -0.07 | -0.04 | -0.03 | -0.03 | -0.06 | -0.18 | -0.16 | -0.15  | -0.06  | -0.04 | -0.06 | -0.03 | -0.04 | -0.06 | -0.05 | -0.01 | -0.13 | -0.14 | -0.06 | 0.00  | -0.03 |
|        | 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  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| NPX    | 21.21 | 20.14 | 19.41 | 19.43 | 20.34 | 21.56 | 23.69 | 24.96 | 25.71 | 21.94 | 21.22  | 18.17  | 18.94 | 23.27 | 24.65 | 22.07 | 21.67 | 22.02 | 24.49 | 31.28 | 37.56 | 28.18 | 24.88 | 22.23 |
| 61845  | 1.09  | 0.95  | 0.96  | 0.95  | 0.98  | 1.05  | 1.27  | 1.43  | 1.61  | 1.23  | 1.04   | 0.57   | 0.93  | 1.48  | 1.51  | 1.29  | 1.28  | 1.26  | 1.56  | 2.03  | 2.43  | 1.82  | 1.44  | 1.22  |
|        | 0.01  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.61 | -0.80 | -0.96 | -1.89 | -4.94  | -9.34  | -4.73 | -0.15 | -0.02 | -0.22 | -1.07 | -1.99 | -0.20 | -0.41 | -0.20 | -0.22 | 0.25  | 0.00  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 19.66 | 18.87 | 18.23 | 18.20 | 18.99 | 20.19 | 21.84 | 21.69 | 21.71 | 11.08 | 3.93  | 7.72  | 12.94 | 19.88 | 18.45 | 18.57 | 15.09 | 13.33 | 13.48 | 16.08 | 18.69 | 13.12 | 17.18 | 19.03 |
|               | -0.36 | -0.16 | -0.04 | -0.19 | -0.19 | -0.16 | -0.49 | -0.72 | -0.63 | -0.53 | -0.55 | -0.27 | -0.67 | -1.00 | -1.09 | -0.97 | -1.03 | -0.86 | -1.19 | -1.28 | -1.51 | -0.90 | -1.14 | -1.14 |
|               | 0.10  | 0.16  | 0.19  | 0.09  | 0.18  | 0.16  | -1.51 | 0.33  | 0.80  | 7.22  | 10.77 | 0.26  | -0.32 | 0.74  | 3.58  | 1.02  | 3.20  | 4.58  | 8.06  | 11.48 | 14.73 | 12.13 | 5.38  | 0.85  |
| PJM<br>61847  | 20.97 | 19.90 | 19.15 | 19.22 | 20.05 | 21.30 | 22.47 | 24.03 | 25.27 | 21.84 | 22.40 | 16.57 | 18.71 | 22.28 | 24.17 | 21.38 | 20.69 | 20.58 | 23.79 | 30.15 | 36.54 | 27.40 | 24.49 | 21.83 |
|               | 0.93  | 0.85  | 0.87  | 0.83  | 0.86  | 0.95  | 0.98  | 1.09  | 1.23  | 1.05  | 0.85  | 0.43  | 0.59  | 1.14  | 1.21  | 1.04  | 0.82  | 0.87  | 1.02  | 1.42  | 1.78  | 1.35  | 1.02  | 0.82  |
|               | 0.10  | 0.15  | 0.17  | 0.09  | 0.17  | 0.15  | -0.68 | -0.20 | -0.90 | -1.96 | -6.30 | -7.89 | -4.84 | 0.49  | 0.15  | 0.22  | -0.55 | -0.94 | -0.05 | 0.11  | 0.16  | 0.09  | 0.23  | 0.00  |
| WEST<br>61752 | 20.21 | 19.38 | 18.73 | 18.68 | 19.52 | 20.77 | 20.98 | 22.42 | 22.20 | 10.65 | 4.39  | 7.77  | 13.36 | 20.62 | 19.46 | 19.28 | 15.03 | 13.08 | 12.72 | 15.05 | 18.34 | 11.78 | 17.02 | 19.50 |
|               | 0.18  | 0.33  | 0.45  | 0.29  | 0.33  | 0.41  | 0.14  | 0.01  | 0.00  | -0.10 | -0.22 | -0.04 | -0.28 | -0.32 | -0.36 | -0.33 | -0.47 | -0.30 | -0.45 | -0.32 | -0.35 | -0.02 | -0.40 | -0.50 |
|               | 0.10  | 0.15  | 0.17  | 0.09  | 0.17  | 0.15  | -0.03 | 0.32  | 0.95  | 8.08  | 10.64 | 0.45  | -0.35 | 0.69  | 3.30  | 0.95  | 3.82  | 5.39  | 9.56  | 13.48 | 16.24 | 14.34 | 6.27  | 1.01  |