

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/22/2020

| 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 | 15.72 | 13.07 | 13.11 | 11.25 | 11.38 | 13.61 | 18.90 | 22.76 | 4.23   | 12.98  | 13.67 | 16.58  | 16.42 | 14.14 | 16.41 | 14.74 | 14.58 | 16.52 | 19.59  | 26.36  | 19.83 | 16.18 | 13.07 | 11.82 |
| 61757  | 0.97  | 0.84  | 0.84  | 0.61  | 0.73  | 0.87  | 1.32  | 1.56  | 0.12   | 0.68   | 0.84  | 0.88   | 0.98  | 0.88  | 0.99  | 0.87  | 0.88  | 1.06  | 1.18   | 0.86   | 1.05  | 1.05  | 0.81  | 0.49  |
|        | 0.00  | -0.17 | -0.02 | -1.75 | 0.00  | 0.00  | 0.00  | -1.51 | -3.06  | -3.04  | -0.53 | -1.45  | -0.05 | -0.45 | -0.03 | -0.30 | -0.35 | -0.46 | -2.00  | -14.40 | -4.83 | 0.00  | -0.06 | -4.01 |
| CENTRL | 14.79 | 12.07 | 12.16 | 9.12  | 10.61 | 12.77 | 18.11 | 20.44 | -0.66  | 7.76   | 12.22 | 13.68  | 15.58 | 12.80 | 15.58 | 13.55 | 13.33 | 14.92 | 16.04  | 13.95  | 15.24 | 15.26 | 12.31 | 8.06  |
| 61754  | 0.04  | -0.02 | -0.08 | -0.06 | -0.05 | 0.03  | 0.14  | 0.16  | -0.13  | 0.18   | 0.21  | 0.22   | 0.22  | 0.23  | 0.19  | 0.14  | 0.17  | 0.17  | 0.18   | 0.14   | 0.16  | 0.14  | 0.11  | 0.06  |
|        | 0.00  | -0.03 | 0.00  | -0.30 | 0.00  | 0.00  | -0.40 | -0.60 | 1.58   | 1.67   | 0.29  | 0.79   | 0.03  | 0.25  | 0.01  | 0.16  | 0.20  | 0.26  | 0.55   | -2.71  | -1.14 | 0.00  | -0.01 | -0.67 |
| DUNWOD | 15.68 | 13.01 | 13.03 | 10.89 | 11.33 | 13.52 | 18.73 | 22.30 | 32.01  | 40.43  | 18.39 | 29.52  | 17.03 | 18.28 | 16.81 | 17.56 | 17.95 | 20.89 | 33.05  | 23.85  | 19.11 | 16.48 | 13.37 | 11.27 |
| 61760  | 0.93  | 0.81  | 0.78  | 0.56  | 0.67  | 0.78  | 1.15  | 1.39  | 0.17   | 0.66   | 0.85  | 0.96   | 1.11  | 1.02  | 1.16  | 1.05  | 1.09  | 1.26  | 1.29   | 0.93   | 1.20  | 1.35  | 1.13  | 0.66  |
|        | 0.00  | -0.14 | -0.02 | -1.44 | 0.00  | 0.00  | 0.00  | -1.24 | -30.78 | -30.51 | -5.23 | -14.30 | -0.53 | -4.45 | -0.25 | -2.94 | -3.50 | -4.63 | -15.35 | -11.82 | -3.97 | 0.00  | -0.05 | -3.29 |
| GENESE | 14.39 | 11.63 | 11.74 | 8.76  | 10.25 | 12.36 | 15.25 | 18.22 | 0.19   | 9.01   | 12.28 | 14.13  | 15.33 | 12.81 | 15.31 | 13.48 | 13.31 | 14.86 | 15.48  | 11.87  | 13.19 | 14.92 | 12.08 | 7.78  |
| 61753  | -0.35 | -0.43 | -0.50 | -0.38 | -0.40 | -0.33 | -0.33 | -0.38 | -0.25  | -0.04  | -0.01 | -0.01  | -0.06 | -0.01 | -0.09 | -0.10 | -0.04 | -0.13 | -0.14  | -0.07  | -0.11 | -0.21 | -0.13 | -0.10 |
|        | 0.01  | -0.01 | 0.00  | -0.24 | 0.00  | 0.04  | 2.00  | 1.09  | 0.62   | 0.21   | 0.02  | 0.12   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.02  | 0.79   | -0.84  | 0.64  | 0.00  | -0.01 | -0.55 |
| H Q    | 14.52 | 11.86 | 12.05 | 8.75  | 10.49 | 12.52 | 17.23 | 19.29 | 1.08   | 9.05   | 12.04 | 13.99  | 15.08 | 12.52 | 15.11 | 13.31 | 13.06 | 14.67 | 16.05  | 10.83  | 13.60 | 14.79 | 11.92 | 7.16  |
| 61844  | -0.24 | -0.20 | -0.18 | -0.14 | -0.17 | -0.21 | -0.35 | -0.39 | 0.03   | -0.21  | -0.26 | -0.26  | -0.31 | -0.30 | -0.29 | -0.25 | -0.29 | -0.34 | -0.35  | -0.27  | -0.34 | -0.34 | -0.27 | -0.16 |
|        | 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  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  |
| HUD VL | 15.57 | 12.92 | 12.96 | 10.83 | 11.26 | 13.43 | 18.60 | 22.16 | -30.09 | -21.53 | 7.53  | -0.34  | 15.75 | 8.78  | 16.10 | 11.19 | 10.41 | 11.04 | 2.04   | 23.69  | 18.96 | 16.31 | 13.24 | 11.17 |
| 61758  | 0.81  | 0.72  | 0.70  | 0.51  | 0.60  | 0.69  | 1.02  | 1.24  | 0.16   | 0.58   | 0.73  | 0.81   | 0.94  | 0.86  | 0.98  | 0.88  | 0.93  | 1.09  | 1.13   | 0.84   | 1.08  | 1.19  | 1.00  | 0.58  |
|        | 0.00  | -0.14 | -0.02 | -1.44 | 0.00  | 0.00  | 0.00  | -1.23 | 31.30  | 31.36  | 5.51  | 15.40  | 0.58  | 4.90  | 0.28  | 3.26  | 3.87  | 5.05  | 15.50  | -11.75 | -3.94 | 0.00  | -0.05 | -3.27 |
| LONGIL | 16.01 | 13.28 | 13.31 | 11.10 | 11.58 | 13.85 | 19.25 | 22.82 | 31.11  | 39.66  | 18.52 | 29.31  | 17.22 | 18.29 | 17.00 | 17.61 | 18.05 | 21.10 | 32.97  | 24.17  | 19.47 | 16.85 | 13.71 | 11.47 |
| 61762  | 1.26  | 1.08  | 1.05  | 0.77  | 0.92  | 1.12  | 1.68  | 1.90  | 0.26   | 0.89   | 1.16  | 1.24   | 1.32  | 1.18  | 1.36  | 1.20  | 1.31  | 1.61  | 1.70   | 1.24   | 1.55  | 1.72  | 1.46  | 0.85  |
|        | 0.00  | -0.14 | -0.02 | -1.44 | 0.00  | 0.00  | 0.00  | -1.24 | -29.79 | -29.51 | -5.05 | -13.82 | -0.51 | -4.30 | -0.24 | -2.84 | -3.38 | -4.48 | -14.86 | -11.83 | -3.97 | 0.00  | -0.05 | -3.29 |
| MHK VL | 15.21 | 12.45 | 12.60 | 9.46  | 10.99 | 13.17 | 18.28 | 20.78 | -1.74  | 6.84   | 12.31 | 13.55  | 15.86 | 12.91 | 15.88 | 13.77 | 13.52 | 15.16 | 15.79  | 13.81  | 15.21 | 15.62 | 12.58 | 8.18  |
| 61756  | 0.46  | 0.37  | 0.36  | 0.26  | 0.33  | 0.44  | 0.71  | 0.85  | 0.05   | 0.39   | 0.47  | 0.51   | 0.51  | 0.45  | 0.50  | 0.42  | 0.45  | 0.55  | 0.63   | 0.45   | 0.50  | 0.50  | 0.37  | 0.21  |
|        | 0.00  | -0.03 | 0.00  | -0.31 | 0.00  | 0.00  | 0.00  | -0.25 | 2.85   | 2.80   | 0.46  | 1.21   | 0.04  | 0.35  | 0.02  | 0.23  | 0.28  | 0.40  | 1.25   | -2.26  | -0.76 | 0.00  | -0.01 | -0.65 |
| MILLWD | 15.62 | 12.96 | 13.00 | 10.87 | 11.29 | 13.47 | 18.67 | 22.25 | 24.59  | 33.00  | 17.08 | 26.06  | 16.85 | 17.15 | 16.67 | 16.81 | 17.09 | 19.74 | 29.50  | 23.87  | 19.09 | 16.42 | 13.32 | 11.26 |
| 61759  | 0.87  | 0.76  | 0.74  | 0.54  | 0.64  | 0.74  | 1.09  | 1.32  | 0.15   | 0.63   | 0.81  | 0.90   | 1.05  | 0.95  | 1.08  | 0.98  | 1.02  | 1.19  | 1.23   | 0.89   | 1.16  | 1.29  | 1.07  | 0.63  |
|        | 0.00  | -0.14 | -0.02 | -1.45 | 0.00  | 0.00  | 0.00  | -1.24 | -23.38 | -23.12 | -3.96 | -10.90 | -0.40 | -3.38 | -0.19 | -2.26 | -2.71 | -3.55 | -11.86 | -11.88 | -3.99 | 0.00  | -0.05 | -3.31 |
| N.Y.C. | 15.76 | 13.06 | 13.09 | 10.93 | 11.38 | 13.58 | 18.82 | 22.40 | 31.24  | 39.67  | 18.32 | 29.23  | 17.15 | 18.26 | 16.94 | 17.59 | 17.96 | 20.88 | 32.48  | 23.85  | 19.21 | 16.61 | 13.47 | 11.32 |
| 61761  | 1.00  | 0.86  | 0.83  | 0.60  | 0.72  | 0.85  | 1.24  | 1.48  | 0.21   | 0.71   | 0.93  | 1.07   | 1.25  | 1.12  | 1.29  | 1.17  | 1.20  | 1.37  | 1.39   | 0.98   | 1.30  | 1.49  | 1.23  | 0.71  |
|        | 0.00  | -0.14 | -0.02 | -1.44 | 0.00  | 0.00  | 0.00  | -1.24 | -29.98 | -29.70 | -5.08 | -13.91 | -0.52 | -4.33 | -0.24 | -2.85 | -3.40 | -4.51 | -14.68 | -11.77 | -3.97 | 0.00  | -0.05 | -3.29 |
| NORTH  | 14.66 | 11.97 | 12.17 | 8.83  | 10.60 | 12.67 | 17.48 | 19.62 | 1.12   | 9.18   | 12.18 | 14.15  | 15.22 | 12.63 | 15.25 | 13.43 | 13.17 | 14.81 | 16.24  | 10.93  | 13.70 | 14.83 | 11.92 | 7.14  |
| 61755  | -0.09 | -0.09 | -0.07 | -0.05 | -0.06 | -0.06 | -0.09 | -0.06 | 0.06   | -0.07  | -0.13 | -0.10  | -0.17 | -0.18 | -0.15 | -0.14 | -0.18 | -0.20 | -0.17  | -0.17  | -0.24 | -0.29 | -0.28 | -0.18 |
|        | 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    | 15.49 | 12.89 | 12.93 | 10.96 | 11.23 | 13.37 | 18.49 | 22.14 | 9.12   | 17.63  | 14.28 | 18.60  | 16.31 | 14.68 | 16.24 | 15.04 | 15.01 | 17.11 | 21.91  | 24.96  | 19.31 | 15.81 | 12.90 | 11.39 |
| 61845  | 0.74  | 0.67  | 0.67  | 0.50  | 0.58  | 0.64  | 0.92  | 1.10  | 0.11   | 0.50   | 0.63  | 0.66   | 0.78  | 0.72  | 0.79  | 0.72  | 0.75  | 0.90  | 0.96   | 0.70   | 0.89  | 0.93  | 0.77  | 0.48  |
|        | 0.00  | -0.15 | -0.02 | -1.57 | 0.00  | 0.00  | 0.00  | -1.35 | -7.95  | -7.87  | -1.35 | -3.69  | -0.14 | -1.15 | -0.06 | -0.76 | -0.90 | -1.19 | -4.54  | -13.16 | -4.48 | 0.25  | 0.07  | -3.59 |

|               |       |       |       |       |       |       |       |       |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 13.74 | 10.99 | 11.07 | 8.30  | 9.66  | 11.76 | 10.76 | 14.87 | -2.96  | 6.42   | 11.42 | 12.50 | 14.61 | 11.98 | 14.56 | 12.66 | 12.50 | 13.72 | 12.13 | 9.61  | 10.20 | 14.12 | 11.59 | 7.64  |
|               | -0.98 | -1.04 | -1.17 | -0.89 | -0.99 | -0.98 | -1.26 | -1.49 | -0.50  | -0.48  | -0.54 | -0.58 | -0.75 | -0.57 | -0.82 | -0.75 | -0.65 | -0.97 | -1.07 | -0.70 | -0.88 | -1.00 | -0.62 | -0.37 |
|               | 0.03  | 0.02  | 0.00  | -0.30 | 0.00  | 0.00  | 5.56  | 3.32  | 3.51   | 2.36   | 0.35  | 1.18  | 0.03  | 0.26  | 0.01  | 0.17  | 0.20  | 0.31  | 3.21  | 0.78  | 2.86  | 0.00  | -0.01 | -0.69 |
| PJM<br>61847  | 14.81 | 12.11 | 12.08 | 9.56  | 10.52 | 12.53 | 11.48 | 16.41 | -35.66 | -25.65 | 6.52  | -2.04 | 14.97 | 8.03  | 15.29 | 10.39 | 9.60  | 9.86  | -2.74 | 14.13 | 12.23 | 15.33 | 12.47 | 9.28  |
|               | 0.09  | 0.01  | -0.17 | -0.13 | -0.13 | -0.08 | -0.04 | -0.05 | -0.15  | 0.09   | 0.14  | 0.17  | 0.17  | 0.23  | 0.17  | 0.11  | 0.17  | 0.11  | 0.06  | 0.07  | 0.15  | 0.21  | 0.24  | 0.14  |
|               | 0.03  | -0.04 | -0.01 | -0.80 | 0.00  | 0.12  | 6.06  | 3.23  | 36.56  | 34.99  | 5.93  | 16.46 | 0.60  | 5.00  | 0.28  | 3.30  | 3.93  | 5.26  | 19.21 | -2.96 | 1.86  | 0.00  | -0.03 | -1.81 |
| WEST<br>61752 | 14.10 | 11.29 | 11.35 | 8.51  | 9.90  | 11.95 | 11.35 | 15.51 | -2.97  | 6.65   | 11.77 | 12.89 | 15.06 | 12.37 | 15.02 | 13.03 | 12.85 | 14.12 | 12.58 | 10.05 | 10.68 | 14.52 | 11.87 | 7.83  |
|               | -0.63 | -0.75 | -0.90 | -0.69 | -0.75 | -0.67 | -0.78 | -0.94 | -0.49  | -0.19  | -0.18 | -0.17 | -0.30 | -0.17 | -0.36 | -0.37 | -0.29 | -0.57 | -0.64 | -0.42 | -0.51 | -0.61 | -0.34 | -0.21 |
|               | 0.03  | 0.02  | 0.00  | -0.31 | 0.00  | 0.11  | 5.45  | 3.24  | 3.54   | 2.41   | 0.36  | 1.20  | 0.03  | 0.27  | 0.02  | 0.17  | 0.21  | 0.32  | 3.18  | 0.63  | 2.76  | 0.00  | -0.01 | -0.71 |