

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

10/08/2019

| 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 | 14.20 | 12.39 | 10.86 | 10.36 | 10.86 | 13.21 | 17.53 | 19.17 | 18.06 | 18.37 | 18.35 | 18.18 | 17.51 | 17.73 | 17.72 | 18.70 | 19.60 | 22.11 | 23.54 | 23.26 | 20.21 | 17.13 | 14.65 | 13.94 |
| 61757  | 1.09  | 0.91  | 0.77  | 0.73  | 0.77  | 0.99  | 1.27  | 1.39  | 1.23  | 1.22  | 1.23  | 1.28  | 1.30  | 1.30  | 1.31  | 1.40  | 1.43  | 1.52  | 1.72  | 1.60  | 1.45  | 1.21  | 1.05  | 0.90  |
|        | 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  |
| CENTRL | 13.34 | 11.66 | 10.25 | 9.79  | 10.28 | 12.48 | 16.67 | 18.23 | 17.12 | 17.38 | 17.43 | 17.22 | 16.59 | 16.79 | 16.98 | 17.81 | 18.56 | 20.69 | 21.79 | 21.70 | 19.05 | 16.30 | 13.81 | 13.29 |
| 61754  | 0.22  | 0.17  | 0.16  | 0.16  | 0.19  | 0.26  | 0.41  | 0.44  | 0.39  | 0.36  | 0.36  | 0.36  | 0.37  | 0.36  | 0.39  | 0.36  | 0.36  | 0.41  | 0.44  | 0.46  | 0.38  | 0.25  | 0.16  | 0.25  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.09  | 0.13  | 0.05  | 0.03  | 0.00  | 0.00  | -0.18 | -0.15 | -0.03 | 0.31  | 0.46  | 0.41  | 0.09  | -0.13 | -0.04 | 0.00  |
| DUNWOD | 14.40 | 12.49 | 10.94 | 10.42 | 10.89 | 13.23 | 17.71 | 19.42 | 18.48 | 18.90 | 18.85 | 18.58 | 17.84 | 18.09 | 18.10 | 19.13 | 20.10 | 22.74 | 23.96 | 23.76 | 20.72 | 17.58 | 15.01 | 14.24 |
| 61760  | 1.29  | 1.00  | 0.85  | 0.79  | 0.80  | 1.01  | 1.45  | 1.64  | 1.65  | 1.75  | 1.73  | 1.69  | 1.62  | 1.66  | 1.69  | 1.83  | 1.96  | 2.22  | 2.25  | 2.10  | 1.95  | 1.66  | 1.40  | 1.20  |
|        | 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  | 0.01  | 0.02  | 0.08  | 0.10  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| GENESE | 13.12 | 11.49 | 10.15 | 9.69  | 10.17 | 12.29 | 16.64 | 18.47 | 17.25 | 17.47 | 17.56 | 17.43 | 16.78 | 16.98 | 14.55 | 17.77 | 18.37 | 20.11 | 21.13 | 21.25 | 16.63 | 15.84 | 13.50 | 13.19 |
| 61753  | 0.00  | 0.00  | 0.06  | 0.07  | 0.08  | 0.07  | 0.15  | 0.27  | 0.17  | 0.14  | 0.14  | 0.19  | 0.20  | 0.18  | 0.26  | 0.21  | 0.14  | 0.06  | 0.11  | 0.28  | 0.15  | -0.02 | -0.08 | 0.14  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.23 | -0.42 | -0.25 | -0.18 | -0.30 | -0.35 | -0.37 | -0.37 | 2.12  | -0.26 | -0.07 | 0.54  | 0.80  | 0.69  | 2.29  | 0.07  | 0.02  | 0.00  |
| H Q    | 12.67 | 11.16 | 9.81  | 9.35  | 9.81  | 11.85 | 16.16 | 16.85 | 16.34 | 16.66 | 16.62 | 16.40 | 15.71 | 15.94 | 15.87 | 16.73 | 17.56 | 19.93 | 21.12 | 21.03 | 18.19 | 15.44 | 13.21 | 12.65 |
| 61844  | -0.45 | -0.32 | -0.28 | -0.28 | -0.28 | -0.37 | -0.50 | -0.53 | -0.49 | -0.50 | -0.50 | -0.49 | -0.50 | -0.49 | -0.54 | -0.57 | -0.60 | -0.66 | -0.70 | -0.63 | -0.58 | -0.48 | -0.40 | -0.39 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.40 | 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  |
| HUD VL | 14.28 | 12.39 | 10.86 | 10.35 | 10.82 | 13.14 | 17.58 | 19.08 | 18.14 | 18.51 | 18.45 | 18.18 | 17.45 | 17.6  |       |       |       |       |       |       |       |       |       |       |

|               |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| OH<br>61846   | 9.00  | 8.47  | 8.43  | 8.58  | 9.07  | 9.99  | 11.70 | 12.20  | 12.30  | 12.30  | 13.08  | 13.40  | 12.74  | 12.01  | 12.00  | 12.58  | 14.20  | 14.50  | 15.69  | 15.75  | 14.10  | 15.37 | 13.60 | 10.34 |
|               | 0.01  | 0.05  | 0.12  | 0.14  | 0.13  | 0.15  | 0.20  | 0.14   | 0.03   | -0.03  | -0.02  | -0.02  | 0.03   | 0.02   | 0.25   | 0.16   | 0.09   | -0.10  | -0.28  | -0.02  | 0.08   | -0.06 | -0.15 | 0.17  |
|               | 4.13  | 3.06  | 1.78  | 1.19  | 1.15  | 2.38  | 4.76  | 5.73   | 4.56   | 4.82   | 4.02   | 3.48   | 3.51   | 4.43   | 4.66   | 4.88   | 4.05   | 5.99   | 5.84   | 5.89   | 4.74   | 0.49  | -0.14 | 2.87  |
| PJM<br>61847  | 13.81 | 12.05 | 10.60 | 10.12 | 10.60 | 12.86 | 19.77 | 22.26  | 21.90  | 22.15  | 21.90  | 21.72  | 20.75  | 20.91  | 21.20  | 22.09  | 22.65  | 24.45  | 25.39  | 25.95  | 22.90  | 18.63 | 14.88 | 13.74 |
|               | 0.69  | 0.56  | 0.50  | 0.49  | 0.50  | 0.63  | 0.88  | 0.89   | 0.81   | 0.81   | 0.80   | 0.78   | 0.78   | 0.79   | 0.92   | 0.95   | 1.00   | 1.05   | 0.96   | 1.00   | 1.01   | 0.83  | 0.67  | 0.69  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -2.63 | -3.59  | -4.26  | -4.19  | -3.98  | -4.05  | -3.76  | -3.69  | -3.87  | -3.84  | -3.49  | -2.81  | -2.61  | -3.29  | -3.12  | -1.88 | -0.61 | 0.00  |
| WEST<br>61752 | 13.41 | 11.77 | 10.43 | 9.98  | 10.45 | 12.71 | 25.64 | 34.00  | 35.00  | 35.00  | 34.00  | 34.00  | 32.00  | 32.00  | 32.95  | 34.00  | 33.56  | 33.52  | 34.00  | 37.00  | 32.81  | 23.00 | 16.00 | 13.57 |
|               | 0.29  | 0.29  | 0.34  | 0.36  | 0.36  | 0.48  | 0.70  | 0.73   | 0.57   | 0.50   | 0.51   | 0.51   | 0.55   | 0.54   | 0.80   | 0.69   | 0.65   | 0.47   | 0.31   | 0.65   | 0.62   | 0.43  | 0.25  | 0.52  |
|               | -0.01 | 0.00  | 0.00  | 0.00  | 0.00  | -0.02 | -8.68 | -15.49 | -17.60 | -17.35 | -16.37 | -16.60 | -15.23 | -15.03 | -15.74 | -16.01 | -14.75 | -12.46 | -11.88 | -14.69 | -13.42 | -6.65 | -2.15 | 0.00  |