

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

07/02/2019

| 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 | 22.08 | 20.07 | 19.81 | 17.89 | 16.50 | 18.62 | 17.43 | 19.11 | 20.25 | 22.36 | 24.61 | 26.30 | 28.29 | 29.68 | 31.23 | 34.52 | 36.09 | 36.19 | 32.45 | 29.86 | 28.48 | 26.99 | 23.17 | 21.83  |
| 61757  | 1.05  | 0.88  | 0.80  | 0.78  | 0.78  | 0.82  | 1.25  | 1.42  | 1.52  | 1.62  | 1.78  | 1.72  | 1.90  | 1.91  | 2.03  | 2.29  | 2.37  | 2.39  | 2.20  | 2.00  | 1.86  | 1.79  | 1.70  | 1.35   |
|        | -7.01 | -7.15 | -7.67 | -6.26 | -4.88 | -6.92 | -0.18 | -0.09 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.15 | -0.06 | -0.39 | -0.56 | -0.12 | -0.09 | -0.05 | 0.00  | 0.00  | -2.44  |
| CENTRL | 15.98 | 13.42 | 12.74 | 12.06 | 11.83 | 12.52 | 17.31 | 19.07 | 20.55 | 22.95 | 25.41 | 26.37 | 29.36 | 31.19 | 32.58 | 36.26 | 36.10 | 36.03 | 32.53 | 29.87 | 29.56 | 27.84 | 23.50 | 19.82  |
| 61754  | 0.29  | 0.25  | 0.24  | 0.24  | 0.20  | 0.22  | 0.32  | 0.41  | 0.47  | 0.54  | 0.57  | 0.66  | 0.63  | 0.75  | 0.84  | 0.90  | 0.93  | 0.96  | 0.78  | 0.69  | 0.69  | 0.55  | 0.36  | 0.31   |
|        | -1.67 | -1.12 | -1.17 | -0.98 | -0.80 | -1.42 | -0.98 | -1.07 | -1.35 | -1.67 | -2.01 | -1.12 | -2.34 | -2.68 | -2.70 | -3.18 | -1.84 | -1.84 | -1.61 | -1.41 | -2.30 | -2.08 | -1.66 | -1.48  |
| DUNWOD | 20.69 | 18.59 | 18.15 | 16.56 | 15.46 | 17.02 | 17.83 | 19.67 | 20.91 | 23.13 | 25.50 | 27.41 | 29.45 | 31.07 | 33.32 | 36.42 | 39.54 | 40.38 | 34.41 | 31.68 | 30.12 | 28.25 | 24.12 | 21.97  |
| 61760  | 1.51  | 1.29  | 1.18  | 1.11  | 1.03  | 1.04  | 1.70  | 2.01  | 2.17  | 2.38  | 2.67  | 2.83  | 3.06  | 3.30  | 3.45  | 3.92  | 4.13  | 4.12  | 3.65  | 3.41  | 3.29  | 3.05  | 2.64  | 2.14   |
|        | -5.16 | -5.26 | -5.64 | -4.61 | -3.59 | -5.09 | -0.13 | -0.07 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.82 | -0.32 | -2.08 | -3.03 | -0.63 | -0.50 | -0.25 | 0.00  | 0.00  | -1.80  |
| GENESE | 14.63 | 13.29 | 12.58 | 11.95 | 11.72 | 11.47 | 13.97 | 15.49 | 16.43 | 18.16 | 19.85 | 20.74 | 22.29 | 23.31 | 28.33 | 30.90 | 35.75 | 35.61 | 28.85 | 26.99 | 26.03 | 24.80 | 18.50 | 15.73  |
| 61753  | -0.04 | -0.07 | -0.07 | -0.04 | -0.11 | -0.06 | -0.08 | 0.04  | 0.13  | 0.21  | 0.18  | 0.37  | 0.32  | 0.50  | 0.61  | 0.64  | 0.57  | 0.66  | 0.45  | 0.33  | 0.27  | 0.10  | -0.15 | -0.13  |
|        | -0.66 | -1.32 | -1.32 | -1.15 | -0.99 | -0.65 | 1.95  | 2.15  | 2.43  | 2.78  | 3.16  | 4.21  | 4.42  | 4.96  | 1.33  | 1.92  | -1.85 | -1.72 | 1.74  | 1.11  | 0.81  | 0.51  | 2.82  | 2.18   |
| H Q    | 12.70 | 12.43 | 10.93 | 10.45 | 10.47 | 10.50 | 15.43 | 16.95 | 18.04 | 18.00 | 17.86 | 19.54 | 21.30 | 22.71 | 24.00 | 26.86 | 28.83 | 24.00 | 24.00 | 22.73 | 21.68 | 20.14 | 16.46 | 15.39  |
| 61844  | -0.50 | -0.43 | -0.41 | -0.40 | -0.37 | -0.38 | -0.58 | -0.65 | -0.69 | -0.75 | -0.82 | -0.88 | -0.92 | -0.97 | -1.02 | -1.16 | -1.20 | -1.19 | -1.06 | -1.00 | -0.96 | -0.88 | -0.75 | -0.61  |
|        | 0.81  | -0.81 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 2.00  | 4.15  | 4.16  | 4.16  | 4.08  | 4.03  | 4.16  | 3.30  | 8.03  | 5.08  | 4.03  | 3.93  | 4.18  | 4.26  | 2.03   |
| HUD VL | 20.40 | 18.35 | 17.92 | 16.36 | 15.27 | 16.80 | 17.55 | 19.35 | 20.57 | 22.75 | 25.06 | 26.99 | 29.00 | 30.60 | 31.37 | 35.28 | 35.23 | 34.34 | 32.78 | 30.29 | 29.13 | 27.77 | 23.75 | 21.67  |
| 61758  | 1.29  | 1.11  | 1.01  | 0.95  | 0.89  | 0.89  | 1.42  | 1.69  | 1.84  | 2.01  | 2.24  | 2.41  | 2.61  | 2.83  | 2.96  | 3.35  | 3.53  | 3.49  | 3.13  | 2.91  | 2.76  | 2.57  | 2.28  | 1.86   |
|        | -5.10 | -5.20 | -5.58 | -4.55 | -3.55 | -5.03 | -0.13 | -0.06 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.64  | 0.25  | 1.63  | 2.38  | 0.49  | 0.39  | 0.20  | 0.00  | 0.00  | -1.78  |
| LONGIL | 23.17 | 21.36 | 18.56 | 16.91 | 15.82 | 17.42 | 21.02 | 22.53 | 23.80 | 26.00 | 27.31 | 28.89 | 30.61 | 32.49 | 36.26 | 41.05 | 46.64 | 47.26 | 41.02 | 35.00 | 31.86 | 30.76 | 31.38 | 32.57  |
| 61762  | 1.98  | 1.71  | 1.57  | 1.44  | 1.39  | 1.44  | 2.30  | 2.55  | 2.74  | 3.03  | 3.31  | 3.51  | 3.80  | 4.02  | 4.30  | 4.80  | 5.03  | 5.05  | 4.55  | 4.22  | 4.04  | 3.73  | 3.35  | 2.74   |
|        | -7.18 | -7.60 | -5.65 | -4.62 | -3.60 | -5.10 | -2.71 | -2.38 | -2.33 | -2.23 | -1.17 | -0.80 | -0.42 | -0.70 | -2.91 | -4.08 | -8.27 | -8.98 | -6.33 | -3.01 | -1.26 | -1.83 | -6.55 | -11.80 |
| MHK VL | 15.12 | 13.12 | 12.45 | 11.77 | 11.61 | 11.90 | 16.36 | 18.05 | 19.38 | 21.59 | 23.86 | 25.74 | 27.70 | 29.19 | 30.58 | 33.92 | 35.20 | 35.05 | 31.72 | 29.14 | 27.82 | 26.43 | 22.31 | 18.79  |
| 61756  | 0.28  | 0.23  | 0.21  | 0.18  | 0.20  | 0.21  | 0.34  | 0.44  | 0.52  | 0.62  | 0.71  | 0.76  | 0.84  | 0.91  | 0.96  | 1.03  | 1.10  | 1.06  | 0.96  | 0.86  | 0.77  | 0.81  | 0.62  | 0.47   |
|        | -0.83 | -0.84 | -0.91 | -0.74 | -0.58 | -0.82 | -0.02 | -0.01 | -0.12 | -0.23 | -0.32 | -0.40 | -0.47 | -0.52 | -0.58 | -0.71 | -0.76 | -0.76 | -0.62 | -0.51 | -0.47 | -0.43 | -0.21 | -0.29  |
| MILLWD | 20.62 | 18.55 | 18.12 | 16.53 | 15.42 | 16.98 | 17.72 | 19.55 | 20.78 | 22.98 | 25.31 | 27.21 | 29.26 | 30.87 | 32.89 | 36.11 | 38.76 | 39.32 | 34.08 | 31.34 | 29.89 | 28.10 | 23.99 | 21.88  |
| 61759  | 1.41  | 1.20  | 1.10  | 1.04  | 0.96  | 0.97  | 1.58  | 1.88  | 2.04  | 2.24  | 2.49  | 2.63  | 2.88  | 3.11  | 3.25  | 3.70  | 3.93  | 3.92  | 3.49  | 3.22  | 3.13  | 2.90  | 2.51  | 2.04   |
|        | -5.20 | -5.30 | -5.68 | -4.64 | -3.62 | -5.13 | -0.13 | -0.07 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.59 | -0.23 | -1.49 | -2.17 | -0.45 | -0.36 | -0.18 | 0.00  | 0.00  | -1.81  |
| N.Y.C. | 21.51 | 18.75 | 18.31 | 16.71 | 15.60 | 17.15 | 18.80 | 19.88 | 21.98 | 23.41 | 26.92 | 28.93 | 31.18 | 33.66 | 34.07 | 36.81 | 42.50 | 43.27 | 38.20 | 35.00 | 35.00 | 32.27 | 27.68 | 24.96  |
| 61761  | 1.65  | 1.43  | 1.33  | 1.25  | 1.17  | 1.18  | 1.87  | 2.20  | 2.40  | 2.61  | 2.92  | 3.10  | 3.35  | 3.58  | 3.75  | 4.18  | 4.40  | 4.42  | 3.98  | 3.72  | 3.59  | 3.35  | 2.90  | 2.38   |
|        | -5.85 | -5.27 | -5.65 | -4.62 | -3.60 | -5.09 | -0.93 | -0.08 | -0.85 | -0.06 | -1.17 | -1.25 | -1.44 | -2.31 | -1.27 | -0.45 | -4.76 | -5.62 | -4.09 | -3.51 | -4.84 | -3.71 | -3.31 | -4.55  |
| NORTH  | 13.27 | 11.42 | 10.73 | 10.26 | 10.34 | 10.36 | 15.17 | 16.65 | 17.76 | 19.68 | 21.71 | 23.38 | 25.15 | 26.46 | 27.68 | 30.64 | 31.73 | 31.63 | 28.75 | 26.43 | 25.24 | 24.04 | 20.47 | 17.22  |
| 61755  | -0.74 | -0.63 | -0.60 | -0.59 | -0.50 | -0.52 | -0.83 | -0.95 | -0.97 | -1.06 | -1.12 | -1.20 | -1.24 | -1.30 | -1.36 | -1.54 | -1.60 | -1.59 | -1.39 | -1.33 | -1.33 | -1.16 | -1.01 | -0.81  |
|        | 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    | 20.36 | 19.98 | 18.85 | 17.11 | 15.89 | 17.71 | 19.31 | 20.00 | 20.35 | 22.46 | 24.72 | 26.57 | 28.52 | 29.93 | 31.65 | 34.81 | 36.74 | 36.98 | 32.81 | 30.20 | 28.82 | 27.24 | 23.19 | 21.80  |
| 61845  | 1.11  | 0.95  | 0.90  | 0.86  | 0.83  | 0.86  | 1.34  | 1.53  | 1.61  | 1.72  | 1.89  | 1.99  | 2.14  | 2.17  | 2.29  | 2.51  | 2.63  | 2.62  | 2.44  | 2.25  | 2.15  | 2.04  | 1.80  | 1.57   |
|        | -5.24 | -6.98 | -6.62 | -5.41 | -4.22 | -5.98 | -1.96 | -0.87 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.31 | -0.12 | -0.78 | -1.13 | -0.23 | -0.19 | -0.10 | 0.00  | 0.09  | -2.20  |

|               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| O H<br>61846  | 8.00   | 6.00   | 7.00   | 7.00   | 7.00   | 7.00   | 9.00   | 13.51  | 14.25  | 15.61  | 16.92  | 20.87  | 19.89  | 20.54  | 22.09  | 24.13  | 27.99  | 27.99  | 25.24  | 23.30  | 20.37  | 19.34  | 15.72  | 13.40  |
|               | -0.28  | -0.20  | -0.20  | -0.12  | -0.26  | -0.22  | -0.40  | -0.28  | -0.19  | -0.21  | -0.32  | -0.25  | -0.42  | -0.19  | -0.14  | -0.19  | -0.30  | -0.17  | -0.30  | -0.22  | -0.32  | -0.50  | -0.67  | -0.52  |
|               | 5.73   | 5.84   | 4.13   | 3.73   | 3.57   | 3.66   | 6.60   | 3.80   | 4.30   | 4.93   | 5.59   | 3.46   | 6.07   | 7.04   | 6.81   | 7.86   | 5.04   | 5.07   | 4.60   | 4.24   | 5.89   | 5.36   | 5.09   | 4.11   |
| PJM<br>61847  | 21.00  | 20.02  | 18.44  | 17.10  | 16.23  | 17.23  | 20.11  | 22.11  | 23.82  | 26.43  | 29.01  | 31.28  | 33.05  | 35.79  | 37.72  | 42.32  | 44.16  | 43.36  | 39.10  | 36.55  | 34.83  | 33.27  | 27.20  | 24.13  |
|               | 0.67   | 0.61   | 0.58   | 0.57   | 0.47   | 0.47   | 0.70   | 0.90   | 0.99   | 1.08   | 1.14   | 1.20   | 1.24   | 1.44   | 1.54   | 1.70   | 1.73   | 1.79   | 1.54   | 1.50   | 1.41   | 1.23   | 1.03   | 0.85   |
|               | -6.31  | -7.36  | -6.53  | -5.68  | -4.93  | -5.89  | -3.41  | -3.61  | -4.09  | -4.61  | -5.04  | -5.50  | -5.42  | -6.58  | -7.14  | -8.43  | -9.09  | -8.34  | -7.43  | -7.29  | -6.85  | -6.84  | -4.69  | -5.25  |
| WEST<br>61752 | 31.46  | 26.08  | 24.40  | 23.00  | 22.20  | 23.42  | 33.00  | 36.37  | 40.00  | 45.08  | 50.77  | 57.56  | 63.57  | 70.00  | 71.53  | 79.90  | 90.00  | 90.00  | 73.00  | 69.00  | 64.23  | 60.00  | 45.66  | 39.00  |
|               | 0.14   | 0.12   | 0.09   | 0.18   | 0.04   | 0.10   | 0.08   | 0.26   | 0.41   | 0.46   | 0.41   | 0.52   | 0.40   | 0.72   | 0.81   | 0.87   | 0.77   | 0.90   | 0.66   | 0.67   | 0.53   | 0.28   | -0.04  | 0.02   |
|               | -17.30 | -13.92 | -12.98 | -11.97 | -11.32 | -12.44 | -16.92 | -18.51 | -20.85 | -23.88 | -27.53 | -32.46 | -36.79 | -41.52 | -41.67 | -46.85 | -55.90 | -55.87 | -42.20 | -40.57 | -37.13 | -34.52 | -24.22 | -20.95 |