

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

04/12/2018

| 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 | 35.92  | 32.78  | 34.10  | 32.53  | 35.17  | 30.65  | 35.13  | 37.28  | 39.11  | 44.14  | 41.64  | 45.73  | 42.03  | 39.62  | 40.29  | 38.65  | 27.23  | 28.68  | 38.49  | 39.56  | 39.56  | 35.65  | 38.23  | 32.43  |
| 61757  | 1.43   | 1.22   | 1.00   | 1.00   | 1.09   | 1.60   | 2.08   | 2.00   | 2.01   | 1.80   | 1.93   | 1.74   | 1.68   | 1.40   | 1.23   | 1.27   | 1.48   | 1.63   | 1.73   | 2.16   | 2.00   | 1.63   | 1.21   | 0.83   |
|        | -12.56 | -12.56 | -16.99 | -15.66 | -16.81 | -4.09  | 0.00   | -2.43  | -5.76  | -13.39 | -8.67  | -16.77 | -14.55 | -16.43 | -20.12 | -18.34 | -4.07  | -2.66  | -10.92 | -5.11  | -7.71  | -9.36  | -19.01 | -17.72 |
| CENTRL | 23.21  | 20.20  | 17.50  | 17.17  | 18.66  | 25.77  | 33.97  | 33.88  | 32.29  | 30.25  | 32.13  | 28.77  | 27.24  | 23.34  | 20.65  | 20.57  | 22.49  | 25.17  | 27.16  | 33.45  | 31.09  | 25.79  | 19.53  | 15.27  |
| 61754  | 0.55   | 0.48   | 0.40   | 0.40   | 0.41   | 0.57   | 0.92   | 0.89   | 0.59   | 0.49   | 0.56   | 0.54   | 0.57   | 0.57   | 0.51   | 0.49   | 0.59   | 0.66   | 0.72   | 0.87   | 0.77   | 0.62   | 0.45   | 0.37   |
|        | -0.73  | -0.73  | -0.98  | -0.91  | -0.97  | -0.24  | 0.00   | -0.14  | -0.35  | -0.80  | -0.52  | -1.01  | -0.87  | -0.99  | -1.20  | -1.05  | -0.22  | -0.13  | -0.60  | -0.29  | -0.47  | -0.51  | -1.06  | -1.02  |
| DUNWOD | 33.59  | 30.36  | 30.35  | 29.09  | 31.48  | 30.68  | 36.81  | 38.75  | 39.77  | 42.82  | 41.74  | 43.27  | 40.02  | 36.88  | 36.38  | 34.98  | 27.39  | 29.40  | 37.15  | 40.59  | 40.07  | 34.55  | 33.87  | 28.57  |
| 61760  | 2.37   | 2.07   | 1.68   | 1.65   | 1.78   | 2.70   | 3.77   | 4.11   | 4.17   | 3.97   | 4.29   | 3.65   | 3.46   | 2.94   | 2.59   | 2.57   | 2.95   | 3.39   | 3.64   | 4.58   | 4.21   | 3.40   | 2.25   | 1.69   |
|        | -9.29  | -9.29  | -12.56 | -11.58 | -12.43 | -3.03  | 0.00   | -1.80  | -4.26  | -9.90  | -6.41  | -12.40 | -10.76 | -12.15 | -14.85 | -13.39 | -2.75  | -1.62  | -7.67  | -3.73  | -6.01  | -6.49  | -13.60 | -13.00 |
| GENESE | 22.68  | 19.69  | 16.98  | 16.65  | 18.11  | 25.24  | 33.25  | 32.92  | 31.10  | 29.17  | 31.06  | 27.80  | 26.40  | 22.63  | 19.98  | 19.96  | 21.98  | 24.63  | 26.47  | 32.50  | 30.26  | 25.11  | 18.88  | 14.81  |
| 61753  | 0.20   | 0.15   | 0.13   | 0.11   | 0.10   | 0.10   | 0.20   | -0.03  | -0.50  | -0.38  | -0.37  | -0.16  | -0.05  | 0.11   | 0.15   | 0.15   | 0.13   | 0.15   | 0.18   | 0.00   | 0.06   | 0.07   | 0.07   | 0.17   |
|        | -0.54  | -0.54  | -0.74  | -0.68  | -0.73  | -0.18  | 0.00   | -0.11  | -0.26  | -0.60  | -0.39  | -0.75  | -0.65  | -0.73  | -0.89  | -0.78  | -0.16  | -0.09  | -0.45  | -0.22  | -0.35  | -0.38  | -0.80  | -0.76  |
| H Q    | 21.08  | 18.26  | 15.49  | 15.26  | 16.62  | 24.01  | 31.79  | 31.60  | 30.19  | 27.88  | 29.87  | 22.22  | 22.22  | 20.90  | 17.91  | 16.75  | 18.62  | 20.50  | 21.45  | 25.12  | 23.07  | 20.08  | 13.53  | 12.50  |
| 61844  | -0.86  | -0.74  | -0.63  | -0.60  | -0.66  | -0.95  | -1.26  | -1.25  | -1.16  | -1.07  | -1.18  | -1.06  | -1.03  | -0.89  | -0.81  | -0.82  | -0.93  | -1.05  | -1.11  | -1.39  | -1.28  | -1.03  | -0.76  | -0.58  |
|        | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 3.94   | 2.55   | 0.00   | 0.21   | 1.45   | 2.14   | 2.84   | 3.28   | 5.78   | 5.50   | 3.54   | 3.73   | 0.79   |
| HUD VL | 33.18  | 29.97  | 29.93  | 28.70  | 31.07  | 30.41  | 36.52  | 38.38  | 39.24  | 42.15  | 41.11  | 42.55  | 39.40  | 36.28  | 35.77  | 34.37  | 27.02  | 29.02  | 36.56  | 40.03  | 39.44  | 34.08  | 33.25  | 28.06  |
| 61758  | 2.17   | 1.90   | 1.55   | 1.52   | 1.66   | 2.50   | 3.47   | 3.78   | 3.73   | 3.50   | 3.79   | 3.18   | 3.07   | 2.59   | 2.29   | 2.26   | 2.64   | 3.05   | 3.23   | 4.17   | 3.82   | 3.08   | 1.95   | 1.49   |
|        | -9.07  | -9.07  | -12.27 | -11.31 | -12.14 | -2.96  | 0.00   | -1.75  | -4.17  | -9.69  | -6.28  | -12.14 | -10.53 | -11.90 | -14.54 | -13.08 | -2.68  | -1.58  | -7.50  | -3.57  | -5.77  | -6.34  | -13.28 | -12.70 |
| LONGIL | 34.71  | 32.81  | 31.06  | 31.07  | 32.14  | 39.50  | 45.90  | 51.74  | 45.57  | 49.03  | 45.30  | 44.13  | 41.78  | 39.19  | 39.66  | 38.63  | 38.61  | 42.03  | 44.74  | 57.28  | 63.15  | 42.87  | 36.94  | 29.01  |
| 61762  | 3.18   | 2.77   | 2.35   | 2.22   | 2.40   | 3.52   | 4.86   | 5.22   | 5.23   | 4.95   | 5.25   | 4.49   | 4.18   | 3.55   | 3.20   | 3.12   | 3.67   | 4.20   | 4.52   | 5.65   | 5.19   | 4.24   | 2.90   | 2.11   |
|        | -9.60  | -11.04 | -12.59 | -12.99 | -12.46 | -11.02 | -7.99  | -13.67 | -8.99  | -15.13 | -9.01  | -12.42 | -11.80 | -13.85 | -17.53 | -16.48 | -13.26 | -13.44 | -14.39 | -19.34 | -28.11 | -13.97 | -16.02 | -13.02 |
| MHK VL | 23.35  | 20.34  | 17.76  | 17.35  | 18.91  | 25.78  | 34.01  | 33.96  | 32.65  | 30.76  | 32.49  | 29.11  | 27.50  | 23.40  | 20.70  | 20.12  | 21.32  | 23.60  | 25.54  | 31.07  | 29.10  | 24.20  | 17.96  | 15.12  |
| 61756  | 0.42   | 0.34   | 0.29   | 0.24   | 0.29   | 0.50   | 0.96   | 0.92   | 0.88   | 0.81   | 0.81   | 0.65   | 0.62   | 0.39   | 0.38   | 0.38   | 0.41   | 0.46   | 0.52   | 0.90   | 0.81   | 0.62   | 0.34   | 0.24   |
|        | -1.00  | -1.00  | -1.35  | -1.25  | -1.34  | -0.33  | 0.00   | -0.19  | -0.43  | -0.99  | -0.64  | -1.24  | -1.08  | -1.22  | -1.38  | -0.72  | 0.77   | 1.25   | 0.81   | 2.12   | 1.56   | 1.07   | 0.40   | -1.01  |
| MILLWD | 33.66  | 30.42  | 30.45  | 29.19  | 31.58  | 30.68  | 36.81  | 38.70  | 39.72  | 42.83  | 41.71  | 43.28  | 40.04  | 36.89  | 36.43  | 35.01  | 27.32  | 29.34  | 37.12  | 40.59  | 40.07  | 34.56  | 33.90  | 28.61  |
| 61759  | 2.35   | 2.05   | 1.66   | 1.63   | 1.76   | 2.67   | 3.77   | 4.04   | 4.07   | 3.88   | 4.19   | 3.54   | 3.38   | 2.83   | 2.50   | 2.47   | 2.86   | 3.32   | 3.54   | 4.55   | 4.18   | 3.35   | 2.16   | 1.61   |
|        | -9.37  | -9.37  | -12.68 | -11.69 | -12.54 | -3.05  | 0.00   | -1.81  | -4.30  | -10.00 | -6.47  | -12.52 | -10.86 | -12.27 | -15.00 | -13.51 | -2.77  | -1.63  | -7.75  | -3.75  | -6.04  | -6.55  | -13.73 | -13.12 |
| N.Y.C. | 33.82  | 30.55  | 30.50  | 29.23  | 31.64  | 30.86  | 37.04  | 39.08  | 40.10  | 43.10  | 42.05  | 43.55  | 42.20  | 39.61  | 38.94  | 40.95  | 39.75  | 38.09  | 39.27  | 40.97  | 40.41  | 34.82  | 34.09  | 28.72  |
| 61761  | 2.59   | 2.26   | 1.82   | 1.78   | 1.93   | 2.87   | 4.00   | 4.43   | 4.48   | 4.23   | 4.53   | 3.89   | 3.69   | 3.16   | 2.78   | 2.76   | 3.17   | 3.63   | 3.87   | 4.94   | 4.54   | 3.65   | 2.45   | 1.82   |
|        | -9.30  | -9.30  | -12.57 | -11.59 | -12.43 | -3.03  | 0.00   | -1.80  | -4.28  | -9.92  | -6.47  | -12.43 | -12.71 | -14.66 | -17.22 | -19.16 | -14.89 | -10.07 | -9.57  | -3.74  | -6.03  | -6.51  | -13.62 | -13.03 |
| NORTH  | 20.66  | 17.89  | 15.23  | 15.01  | 16.38  | 23.63  | 31.36  | 31.14  | 29.75  | 27.48  | 29.40  | 25.67  | 24.25  | 20.37  | 16.81  | 12.42  | 12.42  | 12.41  | 12.05  | 11.74  | 11.78  | 10.00  | 3.18   | 10.00  |
| 61755  | -1.27  | -1.10  | -0.89  | -0.86  | -0.90  | -1.32  | -1.68  | -1.71  | -1.60  | -1.48  | -1.65  | -1.55  | -1.55  | -1.42  | -1.36  | -1.37  | -1.56  | -1.76  | -1.99  | -2.46  | -2.27  | -1.90  | -1.39  | -1.03  |
|        | 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   | 0.76   | 5.24   | 7.71   | 10.22  | 11.80  | 18.09  | 15.79  | 12.76  | 13.45  | 2.85   |
| NPX    | 44.39  | 41.13  | 36.15  | 33.92  | 35.57  | 43.16  | 47.30  | 48.95  | 46.50  | 44.33  | 46.20  | 46.67  | 41.70  | 39.32  | 39.84  | 38.40  | 41.86  | 43.62  | 48.00  | 52.57  | 48.54  | 41.85  | 38.67  | 37.67  |
| 61845  | 1.56   | 1.35   | 1.13   | 1.11   | 1.21   | 1.75   | 2.18   | 2.20   | 2.16   | 1.97   | 2.11   | 1.88   | 1.76   | 1.55   | 1.34   | 1.39   | 1.54   | 1.71   | 1.78   | 2.20   | 2.03   | 1.68   | 1.31   | 0.96   |
|        | -20.89 | -20.78 | -18.91 | -16.95 | -17.09 | -16.46 | -12.07 | -13.90 | -12.99 | -13.41 | -13.04 | -17.57 | -14.15 | -15.98 | -19.55 | -17.99 | -18.63 | -17.53 | -20.38 | -18.09 | -16.66 | -15.51 | -19.34 | -22.84 |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| O H<br>61846  | 23.00 | 20.02 | 17.35 | 17.00 | 18.43 | 24.38 | 28.91 | 31.42 | 30.75 | 29.00 | 29.00 | 27.76 | 26.36 | 22.88 | 20.34 | 20.31 | 22.10 | 24.76 | 26.70 | 32.55 | 30.20 | 25.10 | 19.15 | 15.14 |
|               | 0.33  | 0.29  | 0.24  | 0.22  | 0.17  | 0.05  | -0.13 | -0.33 | -0.75 | -0.75 | -0.75 | -0.46 | -0.31 | 0.11  | 0.21  | 0.23  | 0.19  | 0.24  | 0.26  | -0.03 | -0.12 | -0.07 | 0.05  | 0.24  |
|               | -0.73 | -0.73 | -0.99 | -0.92 | -0.98 | 0.63  | 4.00  | 1.10  | -0.15 | -0.80 | 1.30  | -1.00 | -0.87 | -0.98 | -1.20 | -1.06 | -0.22 | -0.13 | -0.61 | -0.29 | -0.47 | -0.51 | -1.08 | -1.03 |
| PJM<br>61847  | 28.10 | 24.96 | 23.53 | 22.75 | 24.65 | 27.95 | 35.06 | 35.90 | 35.43 | 35.78 | 36.28 | 35.27 | 33.16 | 29.82 | 28.19 | 27.78 | 25.70 | 27.80 | 31.95 | 36.67 | 35.15 | 29.77 | 26.17 | 21.49 |
|               | 1.43  | 1.23  | 1.02  | 0.98  | 1.04  | 1.45  | 2.02  | 2.13  | 1.91  | 1.77  | 1.96  | 1.72  | 1.70  | 1.61  | 1.48  | 1.47  | 1.67  | 1.95  | 2.07  | 2.49  | 2.24  | 1.80  | 1.23  | 0.99  |
|               | -4.73 | -4.73 | -6.40 | -5.90 | -6.33 | -1.54 | 0.00  | -0.92 | -2.17 | -5.06 | -3.28 | -6.33 | -5.66 | -6.41 | -7.77 | -7.29 | -2.34 | -1.46 | -4.05 | -1.90 | -3.06 | -3.31 | -6.93 | -6.63 |
| WEST<br>61752 | 23.57 | 20.49 | 17.76 | 17.39 | 18.85 | 25.94 | 33.94 | 33.91 | 32.06 | 29.96 | 31.86 | 28.66 | 27.24 | 23.66 | 21.03 | 21.00 | 22.88 | 25.61 | 27.56 | 33.63 | 31.20 | 25.82 | 19.60 | 15.50 |
|               | 0.92  | 0.78  | 0.68  | 0.64  | 0.62  | 0.75  | 0.89  | 0.92  | 0.38  | 0.23  | 0.31  | 0.46  | 0.59  | 0.92  | 0.93  | 0.95  | 0.98  | 1.10  | 1.14  | 1.06  | 0.89  | 0.67  | 0.54  | 0.63  |
|               | -0.71 | -0.71 | -0.96 | -0.89 | -0.95 | -0.23 | 0.00  | -0.14 | -0.33 | -0.78 | -0.50 | -0.97 | -0.84 | -0.95 | -1.17 | -1.03 | -0.21 | -0.12 | -0.59 | -0.28 | -0.46 | -0.50 | -1.04 | -1.00 |