

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

01/03/2017

| 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   | EST    | EST    | EST    | EST    | EST    | EST    | EST   | EST    | EST    | EST    | EST    | EST   | EST   | EST   | EST   | EST    | EST    | EST    | EST   | EST   | EST   | EST   | EST   | EST   |
| CAPITL | 35.14  | 35.63  | 33.56  | 33.07  | 34.50  | 32.73  | 37.45 | 44.63  | 48.66  | 54.35  | 45.48  | 44.59 | 41.68 | 41.28 | 40.48 | 44.67  | 51.21  | 52.10  | 46.73 | 43.77 | 38.60 | 36.93 | 34.40 | 29.97 |
| 61757  | 1.07   | 0.84   | 0.76   | 0.79   | 0.78   | 1.24   | 1.66  | 1.80   | 1.93   | 1.90   | 2.00   | 2.13  | 2.00  | 2.00  | 2.02  | 2.01   | 2.30   | 3.27   | 2.98  | 2.82  | 2.30  | 1.90  | 1.56  | 1.41  |
|        | -15.87 | -20.64 | -20.19 | -19.07 | -20.69 | -11.56 | -8.56 | -13.25 | -16.96 | -23.65 | -12.27 | -9.66 | -8.82 | -8.52 | -7.92 | -13.54 | -15.61 | 0.00   | 0.00  | 0.00  | -1.38 | -4.96 | -8.51 | -5.86 |
| CENTRL | 20.07  | 16.51  | 14.90  | 15.38  | 15.38  | 21.39  | 28.44 | 31.36  | 31.91  | 31.62  | 32.76  | 34.13 | 32.08 | 31.96 | 31.64 | 30.79  | 35.29  | 49.61  | 44.49 | 41.48 | 35.40 | 30.86 | 25.38 | 23.58 |
| 61754  | 0.24   | 0.21   | 0.20   | 0.21   | 0.21   | 0.26   | 0.33  | 0.41   | 0.39   | 0.37   | 0.28   | 0.33  | 0.31  | 0.31  | 0.27  | 0.26   | 0.37   | 0.78   | 0.74  | 0.53  | 0.35  | 0.27  | 0.17  | 0.27  |
|        | -1.64  | -2.13  | -2.08  | -1.97  | -2.14  | -1.19  | -0.88 | -1.37  | -1.76  | -2.45  | -1.27  | -1.00 | -0.91 | -0.88 | -0.82 | -1.40  | -1.62  | 0.00   | 0.00  | 0.00  | -0.14 | -0.51 | -0.88 | -0.61 |
| DUNWOD | 30.59  | 29.55  | 27.55  | 27.42  | 28.36  | 29.53  | 35.54 | 41.33  | 44.25  | 47.82  | 42.87  | 42.75 | 40.07 | 39.75 | 39.20 | 41.45  | 47.55  | 53.81  | 48.39 | 45.24 | 39.60 | 36.60 | 32.47 | 28.66 |
| 61760  | 1.44   | 1.13   | 1.00   | 1.04   | 1.04   | 1.61   | 2.40  | 2.60   | 2.77   | 2.68   | 3.18   | 3.28  | 3.12  | 3.11  | 3.18  | 2.97   | 3.46   | 4.98   | 4.64  | 4.30  | 3.74  | 3.10  | 2.26  | 1.91  |
|        | -10.96 | -14.25 | -13.94 | -13.17 | -14.29 | -7.98  | -5.91 | -9.15  | -11.72 | -16.34 | -8.48  | -6.67 | -6.09 | -5.88 | -5.47 | -9.35  | -10.78 | 0.00   | 0.00  | 0.00  | -0.96 | -3.43 | -5.88 | -4.04 |
| GENESE | 19.47  | 15.81  | 14.26  | 14.77  | 14.74  | 20.88  | 27.77 | 30.51  | 30.94  | 30.49  | 31.88  | 33.25 | 31.17 | 31.02 | 30.72 | 29.74  | 34.19  | 48.73  | 43.79 | 40.66 | 34.57 | 30.03 | 24.69 | 23.08 |
| 61753  | 0.02   | 0.01   | 0.05   | 0.05   | 0.07   | 0.02   | -0.14 | -0.12  | -0.18  | -0.20  | -0.31  | -0.33 | -0.40 | -0.43 | -0.46 | -0.47  | -0.37  | -0.10  | 0.04  | -0.28 | -0.45 | -0.45 | -0.32 | -0.09 |
|        | -1.26  | -1.63  | -1.60  | -1.51  | -1.64  | -0.92  | -0.68 | -1.05  | -1.36  | -1.90  | -0.98  | -0.77 | -0.71 | -0.68 | -0.64 | -1.09  | -1.25  | 0.00   | 0.00  | 0.00  | -0.11 | -0.40 | -0.68 | -0.47 |
| H Q    | 17.67  | 13.74  | 12.22  | 12.79  | 12.63  | 19.36  | 26.44 | 28.72  | 28.81  | 27.87  | 30.21  | 31.75 | 29.87 | 29.78 | 29.57 | 28.19  | 32.21  | 47.22  | 42.22 | 39.60 | 33.76 | 29.09 | 23.57 | 22.00 |
| 61844  | -0.53  | -0.42  | -0.39  | -0.41  | -0.40  | -0.58  | -0.79 | -0.86  | -0.95  | -0.92  | -1.00  | -1.05 | -0.99 | -0.99 | -0.98 | -0.93  | -1.10  | -1.61  | -1.53 | -1.35 | -1.15 | -0.99 | -0.75 | -0.70 |
|        | 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 | 30.64  | 29.62  | 27.63  | 27.49  | 28.45  | 29.55  | 35.46 | 41.27  | 44.14  | 47.70  | 42.68  | 42.55 | 39.84 | 39.47 | 39.00 | 41.18  | 47.39  | 53.57  | 48.17 | 45.00 | 39.36 | 36.40 | 32.39 | 28.53 |
| 61758  | 1.42   | 1.12   | 0.98   | 1.03   | 1.04   | 1.57   | 2.29  | 2.51   | 2.62   | 2.50   | 2.97   | 3.05  | 2.87  | 2.80  | 2.96  | 2.68   | 3.27   | 4.74   | 4.42  | 4.05  | 3.49  | 2.89  | 2.16  | 1.77  |
|        | -11.03 | -14.34 | -14.03 | -13.25 | -14.38 | -8.03  | -5.95 | -9.18  | -11.76 | -16.40 | -8.51  | -6.70 | -6.11 | -5.90 | -5.49 | -9.38  | -10.82 | 0.00   | 0.00  | 0.00  | -0.96 | -3.44 | -5.90 | -4.06 |
| LONGIL | 31.18  | 29.82  | 27.79  | 27.69  | 28.61  | 30.28  | 36.85 | 42.39  | 45.23  | 48.71  | 43.77  | 43.71 | 40.87 | 40.80 | 40.05 | 42.52  | 51.03  | 64.79  | 59.00 | 55.93 | 43.48 | 37.66 | 33.08 | 29.04 |
| 61762  | 2.02   | 1.40   | 1.24   | 1.32   | 1.29   | 2.35   | 3.59  | 3.67   | 3.75   | 3.57   | 4.09   | 4.23  | 3.92  | 4.15  | 4.03  | 4.05   | 4.90   | 7.08   | 6.56  | 6.10  | 5.27  | 4.15  | 2.87  | 2.29  |
|        | -10.97 | -14.25 | -13.94 | -13.17 | -14.29 | -7.99  | -6.02 | -9.15  | -11.72 | -16.34 | -8.48  | -6.67 | -6.09 | -5.88 | -5.47 | -9.35  | -12.83 | -8.88  | -8.69 | -8.88 | -3.29 | -3.43 | -5.88 | -4.04 |
| MHK VL | 20.56  | 16.94  | 15.29  | 15.78  | 15.79  | 21.91  | 29.12 | 32.05  | 32.58  | 32.27  | 33.52  | 34.98 | 32.85 | 32.72 | 32.43 | 31.56  | 36.10  | 50.73  | 45.50 | 42.38 | 36.25 | 31.60 | 25.96 | 24.03 |
| 61756  | 0.53   | 0.40   | 0.34   | 0.37   | 0.36   | 0.64   | 0.90  | 1.06   | 1.01   | 0.95   | 1.00   | 1.15  | 1.05  | 1.05  | 1.04  | 0.99   | 1.13   | 1.90   | 1.75  | 1.43  | 1.19  | 0.99  | 0.73  | 0.70  |
|        | -1.83  | -2.39  | -2.33  | -2.20  | -2.39  | -1.34  | -0.99 | -1.41  | -1.81  | -2.52  | -1.31  | -1.03 | -0.94 | -0.91 | -0.84 | -1.44  | -1.66  | 0.00   | 0.00  | 0.00  | -0.15 | -0.53 | -0.91 | -0.62 |
| MILLWD | 30.81  | 29.84  | 27.83  | 27.70  | 28.66  | 29.70  | 35.67 | 41.56  | 44.56  | 48.24  | 43.09  | 42.95 | 40.25 | 39.87 | 39.33 | 41.65  | 47.86  | 53.96  | 48.48 | 45.33 | 39.66 | 36.70 | 32.63 | 28.71 |
| 61759  | 1.46   | 1.16   | 1.02   | 1.08   | 1.08   | 1.64   | 2.42  | 2.66   | 2.86   | 2.79   | 3.25   | 3.35  | 3.18  | 3.11  | 3.21  | 3.00   | 3.57   | 5.13   | 4.73  | 4.38  | 3.77  | 3.13  | 2.31  | 1.88  |
|        | -11.16 | -14.51 | -14.20 | -13.41 | -14.55 | -8.13  | -6.02 | -9.32  | -11.94 | -16.65 | -8.64  | -6.80 | -6.21 | -5.99 | -5.58 | -9.53  | -10.99 | 0.00   | 0.00  | 0.00  | -0.97 | -3.49 | -5.99 | -4.12 |
| N.Y.C. | 30.70  | 29.60  | 27.59  | 27.47  | 28.40  | 29.55  | 35.64 | 41.44  | 44.39  | 47.95  | 43.12  | 43.01 | 40.34 | 40.00 | 39.50 | 41.67  | 47.85  | 54.25  | 48.78 | 45.65 | 39.92 | 36.90 | 32.72 | 28.82 |
| 61761  | 1.55   | 1.19   | 1.03   | 1.10   | 1.08   | 1.64   | 2.50  | 2.72   | 2.92   | 2.82   | 3.43   | 3.54  | 3.39  | 3.35  | 3.48  | 3.20   | 3.76   | 5.42   | 5.03  | 4.71  | 4.05  | 3.40  | 2.51  | 2.07  |
|        | -10.96 | -14.25 | -13.94 | -13.17 | -14.28 | -7.98  | -5.91 | -9.15  | -11.71 | -16.33 | -8.47  | -6.67 | -6.09 | -5.88 | -5.47 | -9.35  | -10.78 | 0.00   | 0.00  | 0.00  | -0.96 | -3.42 | -5.88 | -4.05 |
| NORTH  | 17.54  | 13.62  | 12.12  | 12.67  | 12.50  | 19.24  | 26.30 | 28.45  | 28.39  | 27.47  | 29.81  | 31.39 | 29.50 | 29.44 | 29.20 | 27.87  | 31.74  | 46.73  | 41.78 | 39.14 | 33.31 | 28.66 | 23.26 | 21.73 |
| 61755  | -0.65  | -0.54  | -0.49  | -0.53  | -0.53  | -0.70  | -0.93 | -1.12  | -1.37  | -1.32  | -1.40  | -1.41 | -1.36 | -1.32 | -1.34 | -1.25  | -1.56  | -2.10  | -1.97 | -1.80 | -1.61 | -1.41 | -1.07 | -0.98 |
|        | 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    | 33.20  | 33.04  | 31.01  | 30.67  | 31.88  | 31.36  | 36.54 | 43.10  | 46.68  | 51.46  | 44.25  | 43.72 | 40.93 | 40.57 | 39.88 | 43.22  | 49.57  | 63.13  | 56.75 | 51.12 | 42.80 | 37.50 | 34.60 | 29.43 |
| 61845  | 1.22   | 0.95   | 0.86   | 0.90   | 0.87   | 1.37   | 1.88  | 2.01   | 2.17   | 2.10   | 2.37   | 2.53  | 2.41  | 2.40  | 2.44  | 2.33   | 2.70   | 3.86   | 3.54  | 3.32  | 2.83  | 2.38  | 1.90  | 1.64  |
|        | -13.79 | -17.93 | -17.54 | -16.57 | -17.97 | -10.04 | -7.43 | -11.51 | -14.75 | -20.56 | -10.67 | -8.40 | -7.66 | -7.40 | -6.89 | -11.77 | -13.57 | -10.44 | -9.46 | -6.86 | -5.06 | -5.05 | -8.37 | -5.09 |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| O H<br>61846  | 19.65 | 16.30 | 14.79 | 15.23 | 15.25 | 20.86 | 27.21 | 29.78 | 30.38 | 30.15 | 31.01 | 32.14 | 30.34 | 30.30 | 30.00 | 29.25 | 33.60 | 46.88 | 42.53 | 39.51 | 33.46 | 29.23 | 24.20 | 22.77 |
|               | -0.27 | -0.11 | -0.03 | -0.05 | -0.04 | -0.34 | -0.95 | -1.24 | -1.22 | -1.21 | -1.53 | -1.71 | -1.48 | -1.38 | -1.40 | -1.34 | -1.40 | -1.95 | -1.22 | -1.43 | -1.61 | -1.38 | -1.05 | -0.57 |
|               | -1.73 | -2.25 | -2.20 | -2.08 | -2.26 | -1.26 | -0.93 | -1.45 | -1.84 | -2.56 | -1.33 | -1.05 | -0.96 | -0.92 | -0.86 | -1.47 | -1.69 | 0.00  | 0.00  | 0.00  | -0.15 | -0.54 | -0.92 | -0.63 |
| PJM<br>61847  | 24.68 | 22.43 | 20.70 | 20.87 | 21.32 | 24.83 | 31.03 | 35.08 | 36.66 | 37.16 | 36.43 | 37.00 | 34.77 | 34.59 | 34.18 | 34.84 | 39.67 | 50.00 | 45.15 | 42.05 | 36.24 | 32.61 | 28.00 | 25.48 |
|               | 0.46  | 0.42  | 0.42  | 0.42  | 0.43  | 0.50  | 0.54  | 0.47  | 0.56  | 0.52  | 0.59  | 0.56  | 0.58  | 0.62  | 0.64  | 0.61  | 0.77  | 1.17  | 1.40  | 1.11  | 0.80  | 0.66  | 0.46  | 0.57  |
|               | -6.03 | -7.84 | -7.67 | -7.25 | -7.86 | -4.39 | -3.25 | -5.03 | -6.33 | -7.84 | -4.63 | -3.64 | -3.33 | -3.21 | -2.99 | -5.11 | -5.60 | 0.00  | 0.00  | 0.00  | -0.52 | -1.87 | -3.21 | -2.21 |
| WEST<br>61752 | 20.04 | 16.55 | 15.00 | 15.45 | 15.47 | 21.31 | 27.86 | 30.52 | 31.20 | 30.92 | 31.85 | 33.00 | 31.21 | 31.17 | 30.86 | 30.03 | 34.52 | 48.29 | 43.93 | 40.74 | 34.36 | 30.00 | 24.79 | 23.28 |
|               | 0.22  | 0.27  | 0.32  | 0.29  | 0.31  | 0.18  | -0.25 | -0.41 | -0.36 | -0.38 | -0.66 | -0.82 | -0.59 | -0.49 | -0.52 | -0.52 | -0.43 | -0.54 | 0.18  | -0.20 | -0.70 | -0.60 | -0.44 | -0.05 |
|               | -1.63 | -2.12 | -2.07 | -1.96 | -2.12 | -1.19 | -0.88 | -1.36 | -1.79 | -2.50 | -1.30 | -1.02 | -0.93 | -0.90 | -0.84 | -1.43 | -1.65 | 0.00  | 0.00  | 0.00  | -0.15 | -0.52 | -0.90 | -0.62 |