

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/28/2016

| 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 | 12.90 | 11.63 | 9.28  | 8.81  | 9.80  | 11.91 | 17.38 | 16.37 | 20.80 | 21.95 | 22.68 | 23.36 | 23.54 | 23.98 | 23.82 | 23.94 | 25.24 | 25.15 | 24.99 | 27.43 | 22.72 | 16.62 | 14.11 | 13.23 |
| 61757  | 0.87  | 0.74  | 0.66  | 0.66  | 0.66  | 0.74  | 1.17  | 1.16  | 1.27  | 1.49  | 1.41  | 1.39  | 1.39  | 1.41  | 1.42  | 1.42  | 1.43  | 1.46  | 1.45  | 1.60  | 1.36  | 1.03  | 0.88  | 0.82  |
|        | -0.70 | -1.63 | -0.46 | -0.09 | -1.01 | -1.47 | -1.36 | -0.22 | -3.29 | -1.08 | -0.81 | -0.83 | -1.03 | -1.22 | -1.21 | -1.28 | -1.45 | -1.25 | -1.22 | -1.13 | -0.75 | -0.42 | -0.05 | 0.00  |
| CENTRL | 11.40 | 9.42  | 8.22  | 8.08  | 8.25  | 9.90  | 15.11 | 15.15 | 16.60 | 19.51 | 20.62 | 21.40 | 21.28 | 21.57 | 21.44 | 21.54 | 22.71 | 22.83 | 22.72 | 25.26 | 21.00 | 15.45 | 13.48 | 12.61 |
| 61754  | 0.00  | 0.00  | 0.01  | 0.01  | 0.02  | 0.05  | 0.15  | 0.15  | 0.10  | 0.12  | 0.16  | 0.21  | 0.17  | 0.21  | 0.26  | 0.30  | 0.36  | 0.38  | 0.40  | 0.57  | 0.39  | 0.29  | 0.30  | 0.20  |
|        | -0.07 | -0.16 | -0.04 | -0.01 | -0.10 | -0.14 | -0.12 | 0.00  | -0.26 | -0.02 | 0.00  | -0.06 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| DUNWOD | 13.01 | 11.35 | 9.31  | 8.93  | 9.66  | 11.74 | 17.30 | 16.65 | 20.10 | 21.93 | 23.08 | 23.57 | 23.61 | 23.85 | 23.62 | 24.14 | 25.39 | 25.36 | 25.16 | 27.71 | 23.10 | 16.94 | 14.55 | 13.75 |
| 61760  | 1.19  | 0.94  | 0.82  | 0.80  | 0.81  | 1.00  | 1.54  | 1.57  | 1.75  | 2.11  | 2.33  | 2.43  | 2.49  | 2.50  | 2.44  | 2.44  | 2.53  | 2.47  | 2.41  | 2.62  | 2.23  | 1.62  | 1.36  | 1.34  |
|        | -0.49 | -1.15 | -0.32 | -0.06 | -0.71 | -1.04 | -0.91 | -0.08 | -2.10 | -0.45 | -0.29 | 0.00  | 0.00  | 0.00  | 0.00  | -0.45 | -0.51 | -0.44 | -0.43 | -0.40 | -0.27 | -0.15 | -0.02 | 0.00  |
| GENESE | 11.08 | 9.15  | 8.00  | 7.90  | 8.03  | 9.69  | 14.82 | 14.91 | 16.21 | 18.94 | 20.07 | 20.86 | 20.76 | 21.07 | 21.02 | 21.16 | 22.35 | 22.60 | 22.54 | 25.11 | 20.89 | 15.35 | 13.53 | 12.51 |
| 61753  | -0.31 | -0.24 | -0.20 | -0.17 | -0.19 | -0.14 | -0.12 | -0.09 | -0.24 | -0.44 | -0.39 | -0.28 | -0.36 | -0.28 | -0.17 | -0.08 | 0.00  | 0.16  | 0.22  | 0.42  | 0.29  | 0.18  | 0.36  | 0.10  |
|        | -0.06 | -0.13 | -0.04 | -0.01 | -0.08 | -0.12 | -0.10 | 0.00  | -0.21 | -0.01 | 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  |
| H Q    | 11.00 | 9.00  | 7.93  | 7.83  | 7.90  | 9.86  | 13.46 | 13.87 | 13.97 | 16.22 | 17.53 | 18.14 | 17.61 | 17.32 | 17.17 | 14.63 | 14.13 | 14.13 | 17.38 | 20.68 | 17.79 | 13.46 | 12.55 | 11.99 |
| 61844  | -0.33 | -0.26 | -0.24 | -0.23 | -0.24 | -0.30 | -0.50 | -0.51 | -0.54 | -0.64 | -0.67 | -0.70 | -0.70 | -0.70 | -0.70 | -0.70 | -0.76 | -0.76 | -0.76 | -0.87 | -0.72 | -0.53 | -0.47 | -0.42 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.45 | 0.88  | 0.62  | 1.74  | 2.51  | 2.25  | 2.30  | 2.81  | 3.33  | 3.32  | 5.91  | 7.46  | 7.55  | 4.18  | 3.15  | 2.09  | 1.17  | 0.15  | 0.00  |
| HUD VL | 12.94 | 11.30 | 9.26  | 8.90  | 9.62  | 11.68 | 17.22 | 16.49 | 19.92 | 21.70 | 22.81 | 23.55 | 23.67 | 23.98 | 23.75 | 23.87 | 25.14 | 25.12 | 24.97 | 27.54 | 22.93 | 16.77 | 14.40 | 13.62 |
| 61758  | 1.12  | 0.89  | 0.78  | 0.77  | 0.78  | 0.94  | 1.47  | 1.41  | 1.56  | 1.86  | 2.05  | 2.11  | 2.18  | 2.18  | 2.12  | 2.14  | 2.24  | 2.20  | 2.19  | 2.42  | 2.04  | 1.44  | 1.20  | 1.22  |
|        | -0.49 | -1.15 | -0.32 | -0.06 | -0.71 | -1.03 | -0.91 | -0.08 | -2.11 | -0.47 | -0.31 | -0.30 | -0.38 | -0.45 | -0.44 | -0.48 | -0.55 | -0.47 | -0.46 | -0.43 | -0.28 | -0.16 | -0.02 | 0.00  |
| LONGIL | 13.31 | 11.52 | 9.47  | 9.09  | 9.88  | 12.00 | 17.64 | 17.00 | 20.57 | 22.34 | 23.61 | 24.49 | 24.39 | 24.58 | 24.35 | 29.11 | 29.42 | 29.17 | 30.86 | 35.74 | 28.48 | 23.13 | 16.12 | 14.11 |
| 61762  | 1.48  | 1.11  | 0.98  | 0.96  | 1.03  | 1.26  | 1.89  | 1.92  | 2.23  | 2.52  | 2.86  | 3.06  | 3.23  | 3.22  | 3.16  | 3.14  | 3.26  | 3.23  | 3.12  | 3.41  | 2.91  | 2.11  | 1.83  | 1.70  |
|        | -0.49 | -1.15 | -0.32 | -0.06 | -0.71 | -1.04 | -0.91 | -0.08 | -2.10 | -0.45 | -0.29 | -0.29 | -0.04 | 0.00  | 0.00  | -4.72 | -3.80 | -3.49 | -5.41 | -7.64 | -4.97 | -5.85 | -1.11 | -0.01 |
| MHK VL | 11.70 | 9.64  | 8.41  | 8.28  | 8.44  | 10.10 | 15.32 | 15.46 | 16.70 | 19.61 | 20.87 | 21.60 | 21.27 | 21.37 | 21.20 | 21.08 | 22.10 | 22.37 | 22.34 | 24.98 | 20.84 | 15.40 | 13.56 | 12.77 |
| 61756  | 0.32  | 0.25  | 0.21  | 0.21  | 0.23  | 0.28  | 0.49  | 0.60  | 0.63  | 0.79  | 0.92  | 0.97  | 0.78  | 0.77  | 0.76  | 0.74  | 0.78  | 0.81  | 0.89  | 1.09  | 0.76  | 0.53  | 0.42  | 0.36  |
|        | -0.05 | -0.13 | -0.04 | -0.01 | -0.08 | -0.11 | 0.02  | 0.14  | 0.17  | 0.55  | 0.51  | 0.51  | 0.63  | 0.75  | 0.75  | 0.91  | 1.03  | 0.89  | 0.87  | 0.80  | 0.53  | 0.30  | 0.04  | 0.00  |
| MILLWD | 12.98 | 11.35 | 9.31  | 8.93  | 9.66  | 11.74 | 17.29 | 16.62 | 20.11 | 21.92 | 23.04 | 23.82 | 23.93 | 24.24 | 23.99 | 24.11 | 25.36 | 25.32 | 25.12 | 27.72 | 23.08 | 16.90 | 14.54 | 13.72 |
| 61759  | 1.16  | 0.93  | 0.82  | 0.80  | 0.81  | 0.99  | 1.53  | 1.55  | 1.74  | 2.09  | 2.29  | 2.39  | 2.45  | 2.45  | 2.37  | 2.40  | 2.48  | 2.42  | 2.36  | 2.62  | 2.21  | 1.58  | 1.34  | 1.31  |
|        | -0.50 | -1.16 | -0.33 | -0.06 | -0.72 | -1.05 | -0.92 | -0.08 | -2.12 | -0.46 | -0.29 | -0.29 | -0.36 | -0.43 | -0.43 | -0.46 | -0.53 | -0.45 | -0.44 | -0.41 | -0.27 | -0.15 | -0.02 | 0.00  |
| N.Y.C. | 13.13 | 11.43 | 9.39  | 9.00  | 9.75  | 11.84 | 17.43 | 17.20 | 20.24 | 22.17 | 23.41 | 24.43 | 24.09 | 24.09 | 24.30 | 24.40 | 25.59 | 25.80 | 25.70 | 27.96 | 23.74 | 17.63 | 15.15 | 14.21 |
| 61761  | 1.30  | 1.02  | 0.90  | 0.87  | 0.89  | 1.10  | 1.68  | 1.72  | 1.90  | 2.34  | 2.56  | 2.68  | 2.77  | 2.73  | 2.67  | 2.70  | 2.77  | 2.71  | 2.63  | 2.86  | 2.43  | 1.79  | 1.50  | 1.46  |
|        | -0.50 | -1.15 | -0.33 | -0.07 | -0.72 | -1.04 | -0.91 | -0.47 | -2.10 | -0.46 | -0.40 | -0.61 | -0.21 | 0.00  | -0.44 | -0.46 | -0.46 | -0.63 | -0.75 | -0.40 | -0.70 | -0.67 | -0.47 | -0.33 |
| NORTH  | 10.99 | 8.98  | 7.93  | 7.84  | 7.88  | 9.30  | 12.49 | 11.98 | 8.88  | 9.00  | 11.00 | 11.63 | 9.59  | 7.84  | 7.71  | 6.83  | 6.03  | 8.30  | 8.40  | 11.61 | 11.72 | 10.00 | 11.94 | 11.86 |
| 61755  | -0.33 | -0.25 | -0.23 | -0.23 | -0.24 | -0.38 | -0.70 | -0.72 | -0.73 | -0.87 | -0.94 | -0.91 | -0.89 | -0.90 | -0.91 | -0.87 | -0.89 | -0.94 | -0.96 | -1.09 | -0.93 | -0.71 | -0.66 | -0.55 |
|        | 0.01  | 0.03  | 0.01  | 0.00  | 0.02  | 0.03  | 1.66  | 2.30  | 6.63  | 9.50  | 8.52  | 8.60  | 10.64 | 12.62 | 12.57 | 13.54 | 15.43 | 13.20 | 12.96 | 12.00 | 7.96  | 4.45  | 0.58  | 0.00  |
| NPX    | 12.96 | 11.48 | 9.30  | 8.87  | 9.73  | 12.30 | 16.89 | 17.60 | 20.38 | 21.87 | 22.87 | 23.64 | 24.00 | 24.27 | 24.22 | 24.50 | 25.64 | 25.71 | 26.30 | 29.24 | 23.40 | 17.90 | 14.38 | 13.59 |
| 61845  | 1.04  | 0.85  | 0.75  | 0.73  | 0.75  | 0.91  | 1.39  | 1.38  | 1.53  | 1.80  | 1.92  | 2.01  | 2.05  | 2.05  | 2.01  | 2.02  | 2.08  | 2.06  | 2.01  | 2.20  | 1.87  | 1.39  | 1.17  | 1.18  |
|        | -0.58 | -1.36 | -0.38 | -0.07 | -0.84 | -1.68 | -0.65 | -1.22 | -2.61 | -0.70 | -0.49 | -0.49 | -0.84 | -0.87 | -1.02 | -1.24 | -1.21 | -1.20 | -1.97 | -2.35 | -0.92 | -1.34 | -0.03 | 0.00  |

[illegible]