

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/23/2017

| 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   | 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 | 22.23 | 19.69 | 17.36 | 16.97 | 16.75 | 17.27 | 19.49 | 20.02 | 21.07 | 23.56 | 24.29  | 26.58  | 27.96  | 31.18  | 36.70  | 39.98 | 43.51 | 41.92 | 35.99  | 39.26 | 33.65 | 29.46 | 20.92  | 21.38 |
| 61757  | 1.17  | 1.21  | 1.08  | 1.00  | 0.98  | 0.97  | 1.15  | 1.16  | 1.11  | 1.22  | 1.13   | 1.18   | 1.21   | 1.32   | 1.49   | 1.73  | 1.93  | 1.86  | 1.84   | 1.98  | 1.69  | 1.56  | 1.17   | 1.30  |
|        | -0.54 | -0.45 | -0.37 | -0.37 | -0.39 | -0.40 | -0.47 | -0.44 | -0.52 | -0.58 | -0.52  | -0.70  | -0.47  | -0.46  | -0.61  | -0.59 | -0.59 | -0.46 | 0.00   | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  |
| CENTRL | 20.88 | 18.30 | 16.11 | 15.79 | 15.56 | 16.15 | 18.23 | 18.79 | 19.85 | 22.29 | 23.30  | 25.45  | 27.09  | 30.34  | 35.84  | 39.05 | 42.51 | 41.10 | 35.38  | 38.52 | 33.01 | 28.76 | 20.33  | 20.46 |
| 61754  | 0.37  | 0.27  | 0.21  | 0.19  | 0.19  | 0.25  | 0.36  | 0.37  | 0.41  | 0.52  | 0.66   | 0.77   | 0.82   | 0.94   | 1.24   | 1.39  | 1.52  | 1.50  | 1.23   | 1.23  | 1.05  | 0.87  | 0.57   | 0.38  |
|        | 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  |
| DUNWOD | 22.81 | 20.04 | 17.59 | 17.23 | 16.99 | 17.53 | 19.74 | 20.43 | 21.62 | 24.18 | 25.33  | 31.14  | 32.56  | 37.69  | 38.98  | 42.03 | 45.86 | 44.84 | 39.47  | 41.70 | 38.80 | 33.14 | 26.34  | 22.49 |
| 61760  | 2.30  | 2.00  | 1.69  | 1.62  | 1.61  | 1.64  | 1.86  | 2.01  | 2.18  | 2.42  | 2.51   | 2.72   | 2.89   | 3.23   | 3.77   | 4.03  | 4.39  | 4.24  | 3.72   | 4.07  | 3.52  | 3.10  | 2.27   | 2.41  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.18  | -3.74  | -3.39  | -5.06  | -0.61  | -0.34 | -0.48 | -1.00 | -1.60  | -0.35 | -3.33 | -2.15 | -4.31  | 0.00  |
| GENESE | 20.72 | 18.11 | 15.91 | 15.58 | 15.32 | 15.94 | 18.09 | 18.66 | 19.66 | 22.05 | 23.23  | 25.43  | 27.09  | 30.40  | 36.02  | 39.17 | 42.55 | 41.26 | 35.52  | 38.59 | 33.08 | 28.76 | 20.25  | 20.24 |
| 61753  | 0.21  | 0.07  | 0.00  | -0.03 | -0.06 | 0.05  | 0.22  | 0.24  | 0.21  | 0.28  | 0.59   | 0.74   | 0.82   | 1.00   | 1.42   | 1.51  | 1.56  | 1.66  | 1.37   | 1.30  | 1.12  | 0.87  | 0.49   | 0.16  |
|        | 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  |
| H Q    | 11.45 | 10.28 | 9.34  | 9.11  | 11.87 | 12.32 | 14.05 | 14.26 | 15.32 | 12.32 | 12.84  | 14.26  | 22.27  | 25.38  | 29.36  | 32.50 | 35.69 | 35.25 | 29.96  | 33.05 | 27.86 | 16.50 | 12.06  | 11.34 |
| 61844  | -0.61 | -0.52 | -0.46 | -0.45 | -0.45 | -0.46 | -0.54 | -0.55 | -0.58 | -0.65 | -0.68  | -0.77  | -0.79  | -0.88  | -1.07  | -1.17 | -1.27 | -1.23 | -1.13  | -1.23 | -1.05 | -0.92 | -0.69  | -0.70 |
|        | 8.45  | 7.23  | 6.11  | 6.04  | 3.06  | 3.11  | 3.29  | 3.61  | 3.54  | 8.79  | 9.12   | 9.66   | 3.22   | 3.14   | 4.16   | 3.99  | 4.03  | 3.12  | 3.06   | 3.01  | 3.05  | 10.47 | 7.01   | 8.04  |
| HUD VL | 22.56 | 19.82 | 17.45 | 17.10 | 16.87 | 17.39 | 19.56 | 20.19 | 21.35 | 23.90 | 24.96  | 29.72  | 31.22  | 35.86  | 38.42  | 41.59 | 45.35 | 44.23 | 38.74  | 41.30 | 37.53 | 32.13 | 24.83  | 22.23 |
| 61758  | 2.05  | 1.79  | 1.54  | 1.50  | 1.49  | 1.49  | 1.68  | 1.77  | 1.91  | 2.13  | 2.20   | 2.39   | 2.55   | 2.88   | 3.39   | 3.69  | 4.02  | 3.92  | 3.45   | 3.76  | 3.20  | 2.70  | 1.99   | 2.15  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.13  | -2.64  | -2.40  | -3.58  | -0.43  | -0.24 | -0.34 | -0.71 | -1.14  | -0.25 | -2.37 | -1.54 | -3.07  | 0.00  |
| LONGIL | 26.67 | 20.64 | 18.01 | 17.64 | 17.40 | 18.06 | 21.68 | 26.64 | 28.08 | 31.71 | 36.64  | 38.53  | 40.18  | 48.99  | 57.05  | 48.15 | 52.64 | 51.45 | 54.92  | 49.44 | 44.94 | 41.64 | 32.51  | 31.60 |
| 61762  | 3.02  | 2.60  | 2.10  | 2.03  | 2.01  | 2.16  | 2.43  | 2.61  | 2.82  | 3.13  | 3.19   | 3.48   | 3.68   | 4.15   | 4.95   | 5.35  | 5.90  | 5.70  | 4.92   | 5.33  | 4.51  | 4.07  | 3.08   | 3.25  |
|        | -3.14 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -1.37 | -5.60 | -5.82 | -6.81 | -10.81 | -10.36 | -10.23 | -15.45 | -17.51 | -5.15 | -5.74 | -6.15 | -15.85 | -6.82 | -8.48 | -9.67 | -9.67  | -8.27 |
| MHK VL | 20.46 | 17.99 | 15.92 | 15.67 | 15.35 | 15.96 | 17.83 | 18.44 | 19.42 | 21.85 | 22.80  | 24.96  | 26.96  | 30.26  | 35.23  | 38.55 | 42.06 | 40.53 | 35.39  | 38.99 | 33.57 | 29.20 | 20.75  | 20.82 |
| 61756  | 0.68  | 0.56  | 0.51  | 0.56  | 0.51  | 0.60  | 0.59  | 0.57  | 0.64  | 0.83  | 0.81   | 0.99   | 1.13   | 1.21   | 1.39   | 1.62  | 1.80  | 1.47  | 1.16   | 1.68  | 1.44  | 1.20  | 0.77   | 0.74  |
|        | 0.73  | 0.61  | 0.50  | 0.50  | 0.53  | 0.54  | 0.63  | 0.56  | 0.66  | 0.74  | 0.65   | 0.72   | 0.44   | 0.35   | 0.75   | 0.73  | 0.73  | 0.53  | -0.08  | -0.02 | -0.17 | -0.11 | -0.22  | 0.00  |
| MILLWD | 22.77 | 20.00 | 17.59 | 17.23 | 16.98 | 17.52 | 19.70 | 20.37 | 21.56 | 24.12 | 25.26  | 30.96  | 32.36  | 37.49  | 38.93  | 42.06 | 45.89 | 44.89 | 39.46  | 41.77 | 38.68 | 33.00 | 26.16  | 22.45 |
| 61759  | 2.26  | 1.97  | 1.69  | 1.62  | 1.60  | 1.62  | 1.82  | 1.95  | 2.12  | 2.35  | 2.45   | 2.64   | 2.78   | 3.18   | 3.74   | 4.07  | 4.43  | 4.32  | 3.76   | 4.14  | 3.48  | 3.01  | 2.21   | 2.37  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.18  | -3.63  | -3.30  | -4.92  | -0.59  | -0.33 | -0.47 | -0.97 | -1.56  | -0.34 | -3.23 | -2.09 | -4.19  | 0.00  |
| N.Y.C. | 27.26 | 20.26 | 17.80 | 17.42 | 17.18 | 17.69 | 19.95 | 20.66 | 26.62 | 29.24 | 28.22  | 32.79  | 34.01  | 38.04  | 39.45  | 43.32 | 46.49 | 45.60 | 40.32  | 42.25 | 39.71 | 37.69 | 32.94  | 25.63 |
| 61761  | 2.52  | 2.22  | 1.89  | 1.81  | 1.80  | 1.80  | 2.07  | 2.23  | 2.39  | 2.68  | 2.78   | 3.04   | 3.20   | 3.56   | 4.22   | 4.55  | 4.83  | 4.67  | 4.20   | 4.59  | 3.93  | 3.46  | 2.53   | 2.65  |
|        | -4.23 | -0.01 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -4.79 | -4.80 | -2.80  | -5.07  | -4.53  | -5.08  | -0.63  | -1.10 | -0.66 | -1.33 | -1.97  | -0.37 | -3.82 | -6.34 | -10.65 | -2.90 |
| NORTH  | 6.02  | 6.02  | 6.02  | 5.80  | 4.93  | 5.18  | 5.31  | 7.00  | 6.05  | 6.68  | 9.03   | 6.43   | 13.73  | 17.00  | 18.29  | 21.90 | 25.00 | 26.95 | 32.89  | 36.02 | 30.91 | 26.89 | 18.89  | 19.14 |
| 61755  | -0.57 | -0.49 | -0.41 | -0.39 | -0.40 | -0.41 | -0.50 | -0.53 | -0.54 | -0.61 | -0.68  | -0.74  | -0.76  | -0.91  | -1.07  | -1.17 | -1.23 | -1.23 | -1.26  | -1.27 | -1.05 | -1.00 | -0.87  | -0.94 |
|        | 13.92 | 11.53 | 9.47  | 9.42  | 10.05 | 10.30 | 12.07 | 10.89 | 12.85 | 14.47 | 12.93  | 17.52  | 11.78  | 11.49  | 15.24  | 14.59 | 14.76 | 11.42 | 0.00   | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  |
| NPX    | 22.05 | 19.44 | 17.15 | 16.81 | 16.58 | 17.07 | 19.18 | 19.84 | 20.90 | 23.35 | 24.30  | 27.91  | 29.43  | 33.40  | 36.93  | 40.10 | 43.69 | 42.48 | 37.16  | 39.90 | 35.50 | 30.77 | 23.11  | 21.73 |
| 61845  | 1.54  | 1.41  | 1.24  | 1.20  | 1.20  | 1.18  | 1.30  | 1.42  | 1.46  | 1.59  | 1.58   | 1.65   | 1.73   | 1.88   | 2.08   | 2.30  | 2.50  | 2.46  | 2.32   | 2.46  | 2.11  | 1.95  | 1.50   | 1.65  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.08  | -1.57  | -1.42  | -2.12  | -0.25  | -0.14 | -0.20 | -0.43 | -0.69  | -0.15 | -1.43 | -0.93 | -1.85  | 0.00  |

|               |                        |                       |                       |                       |                       |                       |                       |                       |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |
|---------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| O H<br>61846  | 20.74<br>0.23<br>0.00  | 18.14<br>0.11<br>0.00 | 15.92<br>0.02<br>0.00 | 15.61<br>0.00<br>0.00 | 15.39<br>0.02<br>0.00 | 16.02<br>0.13<br>0.00 | 18.18<br>0.30<br>0.00 | 18.72<br>0.29<br>0.00 | 19.66<br>0.21<br>0.00  | 22.05<br>0.28<br>0.00  | 23.25<br>0.61<br>0.00  | 25.45<br>0.77<br>0.00  | 27.06<br>0.79<br>0.00  | 30.43<br>1.03<br>0.00  | 36.19<br>1.59<br>0.00  | 39.24<br>1.58<br>0.00  | 42.51<br>1.52<br>0.00  | 41.30<br>1.70<br>0.00  | 35.48<br>1.33<br>0.00  | 38.22<br>0.93<br>0.00  | 32.89<br>0.93<br>0.00  | 28.65<br>0.75<br>0.00  | 20.19<br>0.43<br>0.00  | 20.16<br>0.08<br>0.00  |
| PJM<br>61847  | 22.60<br>1.40<br>-0.69 | 19.21<br>1.17<br>0.00 | 16.88<br>0.97<br>0.00 | 16.54<br>0.94<br>0.00 | 16.31<br>0.94<br>0.00 | 16.90<br>1.00<br>0.00 | 19.07<br>1.20<br>0.00 | 19.69<br>1.27<br>0.00 | 21.56<br>1.34<br>-0.78 | 24.07<br>1.52<br>-0.78 | 24.85<br>1.70<br>-0.52 | 28.78<br>1.90<br>-2.20 | 30.25<br>2.00<br>-1.98 | 34.38<br>2.29<br>-2.69 | 37.76<br>2.84<br>-0.33 | 40.93<br>3.09<br>-0.18 | 44.53<br>3.28<br>-0.26 | 43.38<br>3.25<br>-0.53 | 37.73<br>2.73<br>-0.85 | 40.23<br>2.76<br>-0.19 | 36.15<br>2.43<br>-1.77 | 31.77<br>2.09<br>-1.79 | 24.56<br>1.48<br>-3.32 | 21.96<br>1.41<br>-0.47 |
| WEST<br>61752 | 21.21<br>0.70<br>0.00  | 18.52<br>0.49<br>0.00 | 16.23<br>0.32<br>0.00 | 15.90<br>0.30<br>0.00 | 15.70<br>0.32<br>0.00 | 16.39<br>0.49<br>0.00 | 18.61<br>0.73<br>0.00 | 19.18<br>0.76<br>0.00 | 20.26<br>0.82<br>0.00  | 22.72<br>0.96<br>0.00  | 24.02<br>1.38<br>0.00  | 26.29<br>1.60<br>0.00  | 27.93<br>1.66<br>0.00  | 31.40<br>2.00<br>0.00  | 37.30<br>2.70<br>0.00  | 40.45<br>2.79<br>0.00  | 43.78<br>2.79<br>0.00  | 42.65<br>3.05<br>0.00  | 36.61<br>2.46<br>0.00  | 39.30<br>2.01<br>0.00  | 33.85<br>1.89<br>0.00  | 29.46<br>1.56<br>0.00  | 20.75<br>0.99<br>0.00  | 20.58<br>0.50<br>0.00  |