

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

08/27/2018

| 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 | 25.80 | 24.44 | 23.88 | 23.77 | 23.88 | 24.59 | 25.55 | 27.77 | 31.54 | 34.08 | 37.35 | 40.68 | 44.31 | 48.55 | 54.09 | 59.25  | 66.38  | 62.46  | 52.12 | 46.08 | 44.03 | 39.59 | 33.30 | 30.29  |
| 61757  | 1.96  | 1.83  | 1.72  | 1.65  | 1.80  | 1.92  | 1.72  | 2.01  | 2.31  | 2.26  | 2.38  | 2.59  | 3.01  | 3.35  | 3.82  | 4.49   | 5.20   | 5.05   | 4.22  | 3.76  | 3.60  | 3.10  | 2.41  | 2.19   |
|        | 0.00  | -0.50 | -1.43 | -2.19 | -1.36 | -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  | 0.00  | 0.00  | 0.00  | 0.00   |
| CENTRL | 24.32 | 22.61 | 21.28 | 20.48 | 21.28 | 23.20 | 24.43 | 27.01 | 30.25 | 32.85 | 37.24 | 40.84 | 44.75 | 50.16 | 56.05 | 60.05  | 65.25  | 60.71  | 49.32 | 43.86 | 42.03 | 38.04 | 32.79 | 29.62  |
| 61754  | 0.48  | 0.44  | 0.39  | 0.32  | 0.41  | 0.48  | 0.60  | 0.72  | 0.70  | 0.80  | 1.05  | 1.25  | 1.15  | 1.22  | 1.36  | 1.15   | 1.16   | 1.15   | 1.01  | 0.93  | 0.85  | 0.84  | 0.71  | 0.65   |
|        | 0.00  | -0.05 | -0.15 | -0.23 | -0.15 | -0.07 | 0.00  | -0.54 | -0.32 | -0.23 | -1.22 | -1.50 | -2.29 | -3.73 | -4.41 | -4.14  | -2.91  | -2.16  | -0.41 | -0.62 | -0.75 | -0.71 | -1.19 | -0.88  |
| DUNWOD | 26.44 | 24.78 | 23.85 | 23.48 | 23.81 | 25.06 | 26.29 | 28.28 | 32.16 | 35.00 | 38.47 | 41.93 | 45.51 | 49.77 | 55.60 | 60.78  | 68.09  | 63.72  | 52.79 | 46.58 | 44.63 | 40.43 | 34.26 | 31.16  |
| 61760  | 2.60  | 2.32  | 2.12  | 2.01  | 2.13  | 2.40  | 2.46  | 2.53  | 2.92  | 3.18  | 3.50  | 3.85  | 4.21  | 4.56  | 5.33  | 6.02   | 6.91   | 6.31   | 4.89  | 4.27  | 4.20  | 3.94  | 3.37  | 3.06   |
|        | 0.00  | -0.35 | -1.01 | -1.54 | -0.96 | -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  | 0.00  | 0.00  | 0.00  | 0.00   |
| GENESE | 23.92 | 22.24 | 20.89 | 19.99 | 20.83 | 22.79 | 24.07 | 26.02 | 29.38 | 31.98 | 35.60 | 39.00 | 41.96 | 45.93 | 50.58 | 54.43  | 60.51  | 57.06  | 48.09 | 42.48 | 40.75 | 36.85 | 31.20 | 28.55  |
| 61753  | 0.07  | 0.09  | 0.04  | -0.12 | 0.00  | 0.14  | 0.24  | 0.26  | 0.15  | 0.16  | 0.63  | 0.91  | 0.66  | 0.72  | 0.30  | -0.33  | -0.67  | -0.34  | 0.19  | 0.17  | 0.32  | 0.36  | 0.31  | 0.45   |
|        | 0.00  | -0.04 | -0.12 | -0.18 | -0.11 | 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    | 22.76 | 21.20 | 19.92 | 19.20 | 19.89 | 21.59 | 22.86 | 24.46 | 26.57 | 30.11 | 32.29 | 35.67 | 37.74 | 41.06 | 45.63 | 49.00  | 53.50  | 53.50  | 45.59 | 39.27 | 37.15 | 33.37 | 26.88 | 24.93  |
| 61844  | -0.93 | -0.86 | -0.81 | -0.74 | -0.83 | -0.91 | -0.88 | -0.98 | -1.08 | -1.14 | -1.26 | -1.37 | -1.45 | -1.58 | -1.81 | -1.97  | -2.20  | -2.06  | -1.72 | -1.56 | -1.50 | -1.42 | -1.17 | -1.07  |
|        | 0.15  | 0.04  | 0.00  | 0.00  | 0.00  | 0.16  | 0.09  | 0.32  | 1.58  | 0.56  | 1.42  | 1.05  | 2.11  | 2.56  | 2.84  | 3.79   | 5.48   | 1.84   | 0.59  | 1.47  | 1.79  | 1.70  | 2.84  | 2.10   |
| HUD VL | 26.23 | 24.60 | 23.67 | 23.33 | 23.66 | 24.81 | 26.00 | 27.89 | 31.72 | 34.52 | 37.94 | 41.36 | 44.93 | 49.23 | 55.00 | 60.18  | 67.48  | 63.20  | 52.40 | 46.20 | 44.31 | 40.03 | 33.92 | 30.88  |
| 61758  | 2.38  | 2.14  | 1.95  | 1.87  | 1.99  | 2.15  | 2.17  | 2.14  | 2.48  | 2.70  | 2.97  | 3.28  | 3.63  | 4.02  | 4.72  | 5.42   | 6.30   | 5.80   | 4.50  | 3.89  | 3.88  | 3.54  | 3.03  | 2.78   |
|        | 0.00  | -0.35 | -1.00 | -1.52 | -0.95 | -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  | 0.00  | 0.00  | 0.00  | 0.00   |
| LONGIL | 29.24 | 27.68 | 25.78 | 24.29 | 24.64 | 26.68 | 29.91 | 32.13 | 37.34 | 38.55 | 42.90 | 46.09 | 49.70 | 53.00 | 62.60 | 81.07  | 91.99  | 94.35  | 61.00 | 52.67 | 51.68 | 44.85 | 45.30 | 42.55  |
| 61762  | 3.51  | 3.23  | 2.94  | 2.77  | 2.96  | 3.31  | 3.41  | 3.63  | 4.12  | 4.52  | 4.96  | 5.41  | 6.03  | 6.51  | 7.44  | 8.32   | 9.48   | 8.78   | 6.90  | 6.05  | 5.82  | 5.37  | 4.69  | 4.21   |
|        | -1.89 | -2.34 | -2.10 | -1.59 | -0.96 | -0.72 | -2.67 | -2.74 | -3.98 | -2.22 | -2.97 | -2.60 | -2.37 | -1.28 | -4.88 | -17.99 | -21.33 | -28.16 | -6.20 | -4.31 | -5.43 | -3.00 | -9.71 | -10.24 |
| MHK VL | 24.65 | 22.85 | 21.48 | 20.72 | 21.46 | 23.45 | 24.74 | 27.47 | 30.91 | 33.91 | 37.91 | 40.56 | 45.15 | 49.66 | 55.03 | 59.65  | 64.91  | 60.10  | 50.47 | 45.43 | 43.70 | 39.43 | 34.50 | 30.88  |
| 61756  | 0.81  | 0.69  | 0.60  | 0.56  | 0.60  | 0.70  | 0.91  | 1.06  | 1.28  | 1.65  | 1.82  | 2.02  | 2.19  | 2.44  | 2.51  | 2.63   | 2.88   | 2.70   | 2.11  | 1.95  | 1.86  | 1.60  | 1.36  | 1.13   |
|        | 0.00  | -0.05 | -0.15 | -0.23 | -0.14 | -0.09 | 0.00  | -0.66 | -0.39 | -0.44 | -1.12 | -0.46 | -1.66 | -2.02 | -2.24 | -2.26  | -0.85  | 0.00   | -0.47 | -1.17 | -1.41 | -1.34 | -2.25 | -1.66  |
| MILLWD | 26.37 | 24.74 | 23.80 | 23.46 | 23.76 | 24.99 | 26.21 | 28.21 | 32.10 | 34.90 | 38.40 | 41.82 | 45.43 | 49.77 | 55.55 | 60.73  | 68.15  | 63.83  | 52.88 | 46.58 | 44.63 | 40.40 | 34.17 | 31.08  |
| 61759  | 2.53  | 2.28  | 2.05  | 1.97  | 2.07  | 2.33  | 2.38  | 2.45  | 2.87  | 3.09  | 3.43  | 3.73  | 4.13  | 4.56  | 5.28  | 5.97   | 6.97   | 6.43   | 4.98  | 4.27  | 4.20  | 3.91  | 3.27  | 2.98   |
|        | 0.00  | -0.35 | -1.02 | -1.55 | -0.97 | -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  | 0.00  | 0.00  | 0.00  | 0.00   |
| N.Y.C. | 26.94 | 25.16 | 24.19 | 23.79 | 24.14 | 25.45 | 26.79 | 28.70 | 32.89 | 36.84 | 39.27 | 43.24 | 46.66 | 50.50 | 60.03 | 66.00  | 71.01  | 67.14  | 55.36 | 48.66 | 45.98 | 43.64 | 39.07 | 37.18  |
| 61761  | 3.00  | 2.70  | 2.44  | 2.31  | 2.46  | 2.79  | 2.81  | 2.94  | 3.36  | 3.69  | 4.09  | 4.45  | 4.83  | 5.11  | 5.98  | 6.73   | 7.65   | 7.00   | 5.32  | 4.65  | 4.57  | 4.45  | 3.89  | 3.51   |
|        | -0.09 | -0.35 | -1.01 | -1.54 | -0.96 | -0.01 | -0.15 | 0.00  | -0.30 | -1.33 | -0.21 | -0.70 | -0.53 | -0.19 | -3.77 | -4.51  | -2.18  | -2.73  | -2.14 | -1.69 | -0.98 | -2.70 | -4.28 | -5.57  |
| NORTH  | 22.49 | 20.81 | 19.51 | 18.86 | 19.46 | 20.80 | 22.64 | 20.76 | 25.56 | 28.68 | 29.11 | 34.68 | 33.21 | 35.69 | 39.46 | 43.66  | 55.13  | 54.76  | 43.84 | 35.78 | 32.97 | 29.29 | 20.65 | 20.55  |
| 61755  | -1.36 | -1.30 | -1.22 | -1.08 | -1.26 | -1.38 | -1.19 | -1.44 | -1.55 | -1.46 | -1.61 | -1.67 | -1.77 | -1.86 | -2.31 | -2.52  | -2.81  | -2.64  | -2.30 | -2.11 | -2.10 | -2.12 | -1.73 | -1.26  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.47  | 0.00  | 3.56  | 2.12  | 1.67  | 4.25  | 1.73  | 6.31  | 7.66  | 8.50  | 8.58   | 3.24   | 0.00   | 1.76  | 4.42  | 5.36  | 5.08  | 8.51  | 6.29   |
| NPX    | 25.94 | 24.42 | 23.70 | 23.48 | 23.65 | 24.59 | 25.69 | 28.71 | 30.71 | 34.14 | 37.38 | 40.71 | 44.35 | 48.55 | 54.09 | 59.19  | 66.32  | 62.28  | 52.55 | 46.26 | 45.30 | 39.59 | 33.49 | 30.54  |
| 61845  | 2.10  | 1.88  | 1.72  | 1.63  | 1.74  | 1.92  | 1.86  | 2.09  | 2.34  | 2.32  | 2.41  | 2.63  | 3.06  | 3.35  | 3.82  | 4.43   | 5.14   | 4.88   | 4.07  | 3.59  | 3.48  | 3.10  | 2.60  | 2.44   |
|        | 0.00  | -0.43 | -1.25 | -1.91 | -1.19 | -0.01 | 0.00  | -0.87 | 0.87  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | -0.58 | -0.35 | -1.39 | 0.00  | 0.00  | 0.00   |

|               |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 23.77 | 22.25 | 20.99 | 20.10 | 20.91 | 22.77 | 23.95 | 26.52 | 27.96 | 31.50 | 32.55 | 33.78  | 35.96  | 35.18  | 38.17  | 42.56  | 50.00  | 47.68  | 46.02 | 41.38 | 39.46 | 35.83 | 30.65 | 28.16 |
|               | -0.07 | 0.09  | 0.10  | -0.08 | 0.04  | 0.11  | 0.12  | -0.10 | -0.41 | -0.32 | 0.18  | 0.30   | -0.25  | -0.45  | -0.50  | -1.59  | -2.32  | -1.95  | -1.29 | -0.93 | -0.97 | -0.66 | -0.25 | 0.06  |
|               | 0.00  | -0.06 | -0.16 | -0.24 | -0.15 | 0.00  | 0.00  | -0.87 | 0.87  | 0.00  | 2.59  | 4.61   | 5.09   | 9.57   | 11.60  | 10.60  | 8.86   | 7.77   | 0.59  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| PJM<br>61847  | 25.16 | 23.56 | 22.52 | 21.92 | 22.48 | 23.99 | 25.22 | 28.20 | 29.55 | 33.50 | 37.69 | 41.78  | 45.07  | 50.57  | 56.74  | 60.80  | 66.90  | 62.59  | 50.20 | 44.26 | 42.29 | 38.31 | 32.69 | 29.90 |
|               | 1.31  | 1.24  | 1.18  | 1.06  | 1.18  | 1.34  | 1.38  | 1.36  | 1.37  | 1.59  | 1.99  | 2.21   | 2.10   | 2.26   | 2.66   | 2.57   | 2.82   | 2.64   | 2.11  | 1.95  | 1.86  | 1.82  | 1.64  | 1.54  |
|               | -0.01 | -0.21 | -0.61 | -0.93 | -0.58 | -0.01 | -0.01 | -1.08 | 1.06  | -0.09 | -0.73 | -1.49  | -1.67  | -3.11  | -3.80  | -3.47  | -2.90  | -2.54  | -0.19 | 0.00  | 0.00  | 0.00  | -0.16 | -0.26 |
| WEST<br>61752 | 24.44 | 22.85 | 21.51 | 20.57 | 21.45 | 23.40 | 24.67 | 26.43 | 29.73 | 32.56 | 45.93 | 55.32  | 59.37  | 78.02  | 90.00  | 90.00  | 90.00  | 82.95  | 50.00 | 42.61 | 40.59 | 36.78 | 31.48 | 28.97 |
|               | 0.60  | 0.69  | 0.62  | 0.40  | 0.58  | 0.75  | 0.83  | 0.67  | 0.50  | 0.73  | 1.36  | 1.64   | 1.15   | 0.99   | 1.16   | 0.00   | -0.61  | -0.29  | 0.14  | 0.30  | 0.16  | 0.29  | 0.59  | 0.87  |
|               | 0.00  | -0.05 | -0.15 | -0.23 | -0.15 | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -9.60 | -15.60 | -16.92 | -31.82 | -38.57 | -35.24 | -29.43 | -25.83 | -1.96 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |