

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/16/2020

| 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 | 17.25 | 16.16 | 15.34 | 15.40 | 14.94 | 16.19 | 18.55 | 19.11  | 16.84 | 16.36 | 16.31 | 16.55 | 17.15 | 17.81 | 18.06 | 18.76 | 20.98 | 22.61 | 21.34 | 20.98 | 20.12 | 17.07 | 16.36 | 16.22 |
| 61757  | 0.53  | 0.39  | 0.39  | 0.33  | 0.38  | 0.49  | 0.65  | 0.60   | 0.91  | 1.00  | 1.05  | 1.15  | 1.17  | 1.16  | 1.16  | 1.23  | 1.38  | 1.56  | 1.53  | 1.54  | 1.34  | 1.16  | 1.03  | 0.90  |
|        | -8.76 | -9.90 | -8.93 | -9.96 | -8.64 | -8.62 | -8.95 | -9.20  | -3.59 | -1.87 | -0.52 | -0.53 | -0.55 | -0.58 | -0.59 | -0.61 | -0.68 | -0.73 | -0.69 | -0.66 | -2.17 | -1.28 | -1.93 | -2.26 |
| CENTRL | 9.24  | 7.27  | 7.28  | 6.49  | 7.09  | 8.33  | 10.26 | 10.74  | 12.88 | 13.79 | 14.84 | 14.96 | 15.54 | 16.20 | 16.40 | 17.07 | 19.12 | 20.46 | 19.33 | 19.07 | 16.95 | 14.85 | 13.70 | 13.43 |
| 61754  | 0.13  | 0.09  | 0.09  | 0.06  | 0.05  | 0.13  | 0.15  | 0.14   | 0.11  | 0.11  | 0.09  | 0.09  | 0.11  | 0.13  | 0.16  | 0.15  | 0.21  | 0.16  | 0.21  | 0.28  | 0.13  | 0.12  | 0.11  | 0.13  |
|        | -1.15 | -1.31 | -1.17 | -1.32 | -1.12 | -1.11 | -1.15 | -1.30  | -0.44 | -0.19 | -0.01 | 0.00  | 0.00  | 0.00  | 0.07  | 0.00  | 0.00  | 0.01  | 0.00  | 0.00  | -0.21 | -0.10 | -0.19 | -0.24 |
| DUNWOD | 14.95 | 13.56 | 12.97 | 12.81 | 12.58 | 13.77 | 15.94 | 16.57  | 15.81 | 15.79 | 16.13 | 16.36 | 16.95 | 17.66 | 17.96 | 18.64 | 20.83 | 22.42 | 21.05 | 20.60 | 19.44 | 16.65 | 15.74 | 15.54 |
| 61760  | 0.61  | 0.46  | 0.47  | 0.40  | 0.45  | 0.54  | 0.64  | 0.74   | 1.16  | 1.27  | 1.39  | 1.47  | 1.51  | 1.54  | 1.61  | 1.69  | 1.91  | 2.09  | 1.93  | 1.82  | 1.66  | 1.46  | 1.27  | 1.16  |
|        | -6.38 | -7.24 | -6.49 | -7.29 | -6.21 | -6.15 | -6.34 | -6.52  | -2.31 | -1.02 | -0.01 | -0.02 | -0.01 | -0.04 | -0.03 | -0.03 | -0.01 | -0.01 | 0.00  | 0.00  | -1.17 | -0.55 | -1.07 | -1.32 |
| GENESE | 8.85  | 6.86  | 6.89  | 6.07  | 6.70  | 7.95  | 9.84  | 10.22  | 12.48 | 13.45 | 14.56 | 14.68 | 15.23 | 16.01 | 16.04 | 16.85 | 18.90 | 20.11 | 19.10 | 18.92 | 16.68 | 14.68 | 13.47 | 13.20 |
| 61753  | 0.05  | 0.04  | 0.02  | -0.01 | -0.04 | 0.05  | 0.05  | 0.03   | -0.17 | -0.19 | -0.18 | -0.19 | -0.20 | -0.06 | -0.06 | -0.07 | -0.02 | -0.16 | -0.02 | 0.13  | -0.08 | -0.03 | -0.07 | -0.04 |
|        | -0.84 | -0.96 | -0.86 | -0.97 | -0.82 | -0.81 | -0.84 | -0.89  | -0.32 | -0.14 | 0.00  | 0.00  | 0.00  | 0.00  | 0.20  | 0.00  | 0.00  | 0.04  | 0.00  | 0.00  | -0.16 | -0.07 | -0.14 | -0.18 |
| H Q    | 7.22  | 5.32  | 5.16  | 4.75  | 4.55  | 5.25  | 6.61  | 6.86   | 9.09  | 9.94  | 10.85 | 10.95 | 11.38 | 11.87 | 12.03 | 12.48 | 13.95 | 15.00 | 14.12 | 13.87 | 12.27 | 10.81 | 9.92  | 9.63  |
| 61844  | -0.25 | -0.19 | -0.19 | -0.15 | -0.17 | -0.23 | -0.29 | -0.31  | -0.40 | -0.43 | -0.46 | -0.46 | -0.48 | -0.50 | -0.51 | -0.54 | -0.61 | -0.65 | -0.61 | -0.62 | -0.53 | -0.48 | -0.43 | -0.41 |
|        | 0.49  | 0.36  | 0.66  | 0.21  | 1.20  | 1.61  | 2.06  | 2.14   | 2.85  | 3.12  | 3.43  | 3.46  | 3.57  | 3.70  | 3.77  | 3.90  | 4.36  | 4.66  | 4.39  | 4.29  | 3.80  | 3.34  | 3.05  | 3.03  |
| HUD VL | 14.82 | 13.44 | 12.86 | 12.70 | 12.47 | 13.66 | 15.81 | 16.39  | 15.59 | 15.53 | 15.85 | 16.04 | 16.65 | 17.31 | 17.60 | 18.25 | 20.45 | 21.98 | 20.67 | 20.27 | 19.13 | 16.40 | 15.53 | 15.35 |
| 61758  | 0.52  | 0.38  | 0.40  | 0.34  | 0.38  | 0.45  | 0.54  | 0.60   | 0.95  | 1.03  | 1.11  | 1.17  | 1.22  | 1.24  | 1.29  | 1.34  | 1.53  | 1.67  | 1.55  | 1.48  | 1.36  | 1.21  | 1.07  | 0.98  |
|        | -6.35 | -7.20 | -6.45 | -7.25 | -6.18 | -6.11 | -6.31 | -6.48  | -2.30 | -1.01 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.17 | -0.55 | -1.06 | -1.31 |
| LONGIL | 15.17 | 13.71 | 13.10 | 12.91 | 12.70 | 13.95 | 16.26 | 20.41  | 20.26 | 20.15 | 19.75 | 20.16 | 20.48 | 22.43 | 23.18 | 23.92 | 26.40 | 29.64 | 28.20 | 29.34 | 24.55 | 23.14 | 21.64 | 18.49 |
| 61762  | 0.83  | 0.60  | 0.59  | 0.50  | 0.56  | 0.71  | 0.95  | 1.04   | 1.55  | 1.67  | 1.81  | 1.87  | 1.94  | 2.01  | 2.05  | 2.11  | 2.40  | 2.64  | 2.48  | 2.37  | 2.09  | 1.86  | 1.67  | 1.57  |
|        | -6.38 | -7.24 | -6.49 | -7.30 | -6.22 | -6.15 | -6.35 | -10.07 | -6.37 | -4.98 | -3.20 | -3.42 | -3.11 | -4.35 | -4.82 | -4.88 | -5.08 | -6.69 | -6.60 | -8.19 | -5.86 | -6.65 | -6.57 | -3.86 |
| MHK VL | 8.91  | 6.97  | 6.84  | 6.28  | 6.40  | 7.41  | 9.18  | 10.17  | 11.62 | 12.48 | 13.57 | 13.58 | 14.12 | 14.94 | 15.17 | 15.74 | 17.64 | 18.99 | 17.86 | 17.96 | 16.09 | 13.67 | 12.60 | 12.06 |
| 61756  | 0.20  | 0.15  | 0.14  | 0.12  | 0.12  | 0.18  | 0.28  | 0.31   | 0.39  | 0.43  | 0.46  | 0.49  | 0.52  | 0.53  | 0.55  | 0.58  | 0.68  | 0.77  | 0.71  | 0.70  | 0.58  | 0.45  | 0.42  | 0.37  |
|        | -0.76 | -0.96 | -0.69 | -1.05 | -0.36 | -0.14 | 0.05  | -0.56  | 1.11  | 1.45  | 1.63  | 1.78  | 1.84  | 1.66  | 1.69  | 1.75  | 1.95  | 2.09  | 1.97  | 1.52  | 1.09  | 1.42  | 1.21  | 1.37  |
| MILLWD | 14.99 | 13.63 | 13.03 | 12.88 | 12.63 | 13.82 | 15.98 | 16.59  | 15.78 | 15.71 | 16.05 | 16.25 | 16.85 | 17.54 | 17.81 | 18.49 | 20.71 | 22.31 | 20.97 | 20.53 | 19.38 | 16.57 | 15.64 | 15.46 |
| 61759  | 0.57  | 0.44  | 0.44  | 0.38  | 0.42  | 0.50  | 0.60  | 0.71   | 1.11  | 1.19  | 1.31  | 1.38  | 1.42  | 1.46  | 1.50  | 1.57  | 1.80  | 1.99  | 1.85  | 1.75  | 1.59  | 1.38  | 1.17  | 1.07  |
|        | -6.46 | -7.33 | -6.57 | -7.38 | -6.29 | -6.22 | -6.42 | -6.58  | -2.33 | -1.02 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.18 | -0.56 | -1.08 | -1.33 |
| N.Y.C. | 14.98 | 13.59 | 13.00 | 12.83 | 12.62 | 13.80 | 15.95 | 16.60  | 15.89 | 16.17 | 16.48 | 18.88 | 19.03 | 20.50 | 20.44 | 21.00 | 22.25 | 23.66 | 22.12 | 21.58 | 20.62 | 18.27 | 15.82 | 15.65 |
| 61761  | 0.64  | 0.49  | 0.49  | 0.42  | 0.49  | 0.56  | 0.65  | 0.77   | 1.25  | 1.36  | 1.52  | 1.59  | 1.63  | 1.69  | 1.73  | 1.79  | 2.04  | 2.23  | 2.05  | 1.90  | 1.76  | 1.54  | 1.35  | 1.27  |
|        | -6.38 | -7.24 | -6.49 | -7.30 | -6.22 | -6.15 | -6.34 | -6.52  | -2.31 | -1.31 | -0.22 | -2.42 | -1.97 | -2.74 | -2.40 | -2.29 | -1.29 | -1.11 | -0.95 | -0.91 | -2.26 | -2.10 | -1.07 | -1.32 |
| NORTH  | 5.69  | 4.21  | 3.17  | 4.07  | 1.00  | 0.48  | 0.61  | 1.34   | 0.77  | 0.82  | 1.00  | 0.86  | 1.00  | 0.88  | 0.81  | 0.90  | 0.98  | 1.11  | 1.04  | 1.66  | 1.59  | 0.85  | 0.81  | 0.72  |
| 61755  | -0.38 | -0.28 | -0.29 | -0.24 | -0.27 | -0.35 | -0.41 | -0.43  | -0.54 | -0.58 | -0.60 | -0.60 | -0.62 | -0.66 | -0.68 | -0.71 | -0.83 | -0.89 | -0.84 | -0.84 | -0.73 | -0.67 | -0.60 | -0.60 |
|        | 1.89  | 1.38  | 2.55  | 0.80  | 4.64  | 6.26  | 7.93  | 7.54   | 11.03 | 12.10 | 13.13 | 13.41 | 13.81 | 14.53 | 14.82 | 15.31 | 17.11 | 18.31 | 17.24 | 16.27 | 14.28 | 13.11 | 11.99 | 11.74 |
| NPX    | 15.90 | 14.68 | 13.97 | 13.95 | 13.53 | 14.72 | 16.90 | 17.50  | 15.93 | 15.65 | 15.79 | 15.97 | 16.57 | 17.22 | 17.45 | 18.77 | 22.82 | 25.26 | 24.88 | 25.40 | 19.72 | 17.18 | 15.65 | 15.50 |
| 61845  | 0.49  | 0.37  | 0.39  | 0.32  | 0.37  | 0.45  | 0.55  | 0.58   | 0.89  | 0.97  | 1.05  | 1.10  | 1.14  | 1.14  | 1.14  | 1.18  | 1.32  | 1.44  | 1.36  | 1.30  | 1.23  | 1.13  | 1.01  | 0.90  |
|        | -7.45 | -8.45 | -7.57 | -8.51 | -7.25 | -7.18 | -7.39 | -7.62  | -2.70 | -1.19 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.67 | -2.58 | -3.50 | -4.40 | -5.32 | -1.89 | -1.41 | -1.25 | -1.54 |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 8.89  | 7.02  | 7.03  | 6.26  | 6.79  | 8.05  | 9.74  | 10.08 | 11.96 | 12.77 | 13.77 | 13.90 | 14.42 | 15.24 | 15.15 | 15.92 | 17.87 | 18.87 | 18.10 | 17.97 | 15.91 | 14.15 | 12.94 | 12.82 |
|               | -0.15 | -0.07 | -0.08 | -0.09 | -0.18 | -0.09 | -0.29 | -0.36 | -0.78 | -0.90 | -0.97 | -0.97 | -1.00 | -0.84 | -0.96 | -1.00 | -1.04 | -1.40 | -1.01 | -0.81 | -0.90 | -0.59 | -0.64 | -0.47 |
|               | -1.08 | -1.23 | -1.10 | -1.24 | -1.05 | -1.05 | -1.07 | -1.14 | -0.40 | -0.18 | 0.00  | 0.00  | 0.00  | 0.00  | 0.20  | 0.00  | 0.00  | 0.04  | 0.00  | 0.00  | -0.20 | -0.10 | -0.18 | -0.23 |
| PJM<br>61847  | 11.88 | 10.25 | 9.97  | 9.50  | 9.65  | 10.89 | 12.81 | 13.26 | 13.86 | 14.28 | 14.95 | 15.14 | 15.69 | 16.48 | 16.57 | 17.33 | 19.39 | 20.71 | 19.58 | 19.25 | 17.66 | 15.37 | 14.33 | 14.18 |
|               | 0.21  | 0.18  | 0.19  | 0.15  | 0.12  | 0.22  | 0.17  | 0.15  | 0.17  | 0.17  | 0.19  | 0.22  | 0.25  | 0.30  | 0.28  | 0.34  | 0.45  | 0.39  | 0.46  | 0.47  | 0.36  | 0.41  | 0.31  | 0.35  |
|               | -3.71 | -4.21 | -3.77 | -4.24 | -3.61 | -3.58 | -3.68 | -3.81 | -1.35 | -0.61 | -0.02 | -0.04 | -0.02 | -0.10 | 0.01  | -0.08 | -0.02 | -0.01 | 0.00  | 0.00  | -0.69 | -0.32 | -0.62 | -0.77 |
| WEST<br>61752 | 9.10  | 7.20  | 7.21  | 6.42  | 6.96  | 8.25  | 10.00 | 10.34 | 12.27 | 13.13 | 14.16 | 14.34 | 14.92 | 15.71 | 15.66 | 16.46 | 18.54 | 19.55 | 18.72 | 18.54 | 16.36 | 14.53 | 13.26 | 13.12 |
|               | 0.00  | 0.04  | 0.03  | 0.00  | -0.07 | 0.06  | -0.10 | -0.17 | -0.49 | -0.55 | -0.58 | -0.53 | -0.51 | -0.37 | -0.47 | -0.46 | -0.38 | -0.73 | -0.40 | -0.24 | -0.46 | -0.20 | -0.33 | -0.18 |
|               | -1.15 | -1.30 | -1.16 | -1.31 | -1.12 | -1.10 | -1.14 | -1.21 | -0.43 | -0.19 | 0.00  | 0.00  | 0.00  | 0.00  | 0.18  | 0.00  | 0.00  | 0.03  | 0.00  | 0.00  | -0.21 | -0.10 | -0.20 | -0.24 |