

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

11/05/2020

| 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   | 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 | 19.46  | 18.51  | 18.11  | 16.07  | 15.80  | 17.99  | 20.65  | 27.77  | 24.18  | 22.49  | 18.46  | 16.07  | 15.27  | 17.04  | 18.28  | 18.37  | 20.52  | 21.52  | 20.95  | 20.28  | 19.98  | 19.70  | 18.63  | 16.49  |
| 61757  | 0.25   | 0.24   | 0.20   | 0.21   | 0.31   | 0.33   | 0.52   | 0.64   | 0.85   | 1.18   | 1.16   | 0.98   | 0.92   | 1.11   | 0.97   | 0.97   | 1.37   | 1.67   | 1.37   | 1.06   | 0.89   | 0.75   | 0.66   | 0.46   |
|        | -15.47 | -14.76 | -15.00 | -12.59 | -10.92 | -13.01 | -13.41 | -18.60 | -12.19 | -5.82  | -3.63  | -3.03  | -3.03  | -2.34  | -5.48  | -5.45  | -3.24  | -1.11  | -3.67  | -6.33  | -7.27  | -8.35  | -8.63  | -9.33  |
| CENTRL | 5.55   | 5.23   | 4.67   | 4.73   | 5.83   | 6.19   | 8.41   | 10.86  | 12.81  | 16.45  | 14.37  | 12.67  | 11.92  | 14.08  | 12.68  | 12.79  | 16.63  | 19.37  | 16.70  | 13.89  | 12.87  | 11.71  | 10.47  | 7.87   |
| 61754  | -0.03  | -0.02  | -0.02  | -0.03  | -0.04  | 0.00   | 0.10   | 0.09   | 0.12   | 0.22   | 0.19   | 0.13   | 0.11   | 0.14   | 0.12   | 0.12   | 0.24   | 0.30   | 0.24   | 0.17   | 0.14   | 0.11   | 0.08   | 0.04   |
|        | -1.83  | -1.75  | -1.78  | -1.49  | -1.29  | -1.54  | -1.59  | -2.23  | -1.54  | -0.74  | -0.51  | -0.47  | -0.49  | -0.36  | -0.73  | -0.72  | -0.47  | -0.32  | -0.55  | -0.83  | -0.91  | -1.00  | -1.05  | -1.13  |
| DUNWOD | 15.50  | 14.73  | 14.25  | 12.88  | 13.07  | 14.71  | 17.34  | 23.20  | 24.55  | 23.36  | 20.98  | 20.29  | 20.15  | 20.27  | 20.29  | 20.30  | 23.97  | 30.00  | 25.53  | 22.22  | 20.08  | 18.01  | 16.81  | 14.32  |
| 61760  | 0.37   | 0.35   | 0.29   | 0.33   | 0.45   | 0.47   | 0.74   | 0.96   | 1.30   | 1.84   | 1.68   | 1.50   | 1.39   | 1.67   | 1.46   | 1.49   | 2.05   | 2.40   | 2.04   | 1.62   | 1.45   | 1.26   | 1.11   | 0.75   |
|        | -11.39 | -10.88 | -11.05 | -9.28  | -8.04  | -9.59  | -9.88  | -13.70 | -12.10 | -6.03  | -5.62  | -6.73  | -7.43  | -5.01  | -7.01  | -6.86  | -6.00  | -8.85  | -7.58  | -7.70  | -6.80  | -6.15  | -6.36  | -6.87  |
| GENESE | 5.03   | 4.73   | 4.18   | 4.29   | 5.39   | 5.73   | 7.94   | 10.14  | 12.13  | 15.93  | 13.96  | 12.23  | 11.47  | 13.66  | 12.26  | 12.31  | 16.32  | 19.08  | 16.42  | 13.49  | 12.44  | 11.26  | 10.02  | 7.47   |
| 61753  | -0.13  | -0.13  | -0.10  | -0.13  | -0.18  | -0.12  | -0.01  | -0.08  | -0.10  | -0.08  | -0.03  | -0.08  | -0.10  | -0.12  | -0.12  | -0.12  | 0.05   | 0.09   | 0.10   | -0.03  | -0.06  | -0.10  | -0.10  | -0.08  |
|        | -1.41  | -1.35  | -1.37  | -1.15  | -1.00  | -1.19  | -1.23  | -1.68  | -1.09  | -0.52  | -0.31  | -0.25  | -0.25  | -0.20  | -0.55  | -0.48  | -0.36  | -0.24  | -0.42  | -0.62  | -0.68  | -0.75  | -0.78  | -0.85  |
| H Q    | 3.67   | 3.44   | 2.86   | 3.21   | 4.50   | 4.55   | 6.51   | 8.28   | 10.80  | 14.98  | 13.22  | 11.68  | 10.97  | 13.17  | 11.47  | 11.58  | 15.39  | 18.11  | 15.20  | 12.47  | 11.43  | 10.27  | 9.06   | 6.51   |
| 61844  | -0.07  | -0.06  | -0.05  | -0.06  | -0.08  | -0.10  | -0.22  | -0.26  | -0.35  | -0.51  | -0.45  | -0.39  | -0.35  | -0.42  | -0.37  | -0.37  | -0.52  | -0.64  | -0.54  | -0.43  | -0.39  | -0.33  | -0.28  | -0.19  |
|        | 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   | 0.17   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| HUD VL | 15.34  | 14.57  | 14.10  | 12.73  | 12.93  | 14.54  | 17.15  | 22.95  | 23.84  | 22.78  | 20.30  | 19.41  | 19.19  | 19.54  | 19.63  | 19.63  | 23.16  | 28.59  | 24.59  | 21.56  | 19.63  | 17.78  | 16.57  | 14.13  |
| 61758  | 0.32   | 0.30   | 0.25   | 0.28   | 0.39   | 0.40   | 0.65   | 0.84   | 1.11   | 1.55   | 1.44   | 1.27   | 1.18   | 1.41   | 1.23   | 1.25   | 1.75   | 2.08   | 1.78   | 1.42   | 1.25   | 1.08   | 0.94   | 0.64   |
|        | -11.28 | -10.76 | -10.94 | -9.18  | -7.96  | -9.49  | -9.77  | -13.57 | -11.58 | -5.74  | -5.19  | -6.08  | -6.69  | -4.54  | -6.57  | -6.43  | -5.49  | -7.76  | -6.90  | -7.25  | -6.56  | -6.10  | -6.29  | -6.80  |
| LONGIL | 25.03  | 24.21  | 17.62  | 18.25  | 20.40  | 25.89  | 29.74  | 33.74  | 33.76  | 31.50  | 32.14  | 31.25  | 28.79  | 29.32  | 29.32  | 30.26  | 34.08  | 45.50  | 41.75  | 36.22  | 32.62  | 29.71  | 28.76  | 22.20  |
| 61762  | 0.47   | 0.45   | 0.37   | 0.42   | 0.58   | 0.60   | 0.94   | 1.20   | 1.63   | 2.29   | 2.02   | 1.77   | 1.68   | 2.01   | 1.75   | 1.78   | 2.39   | 2.77   | 2.35   | 1.91   | 1.73   | 1.53   | 1.39   | 0.95   |
|        | -20.82 | -20.26 | -14.34 | -14.56 | -15.25 | -20.63 | -22.07 | -24.00 | -20.98 | -13.72 | -16.45 | -17.42 | -15.79 | -13.73 | -15.74 | -16.53 | -15.78 | -23.98 | -23.49 | -21.42 | -19.07 | -17.58 | -18.03 | -14.55 |
| MHK VL | 5.61   | 5.29   | 4.71   | 4.80   | 5.95   | 6.28   | 8.49   | 10.87  | 13.06  | 16.78  | 14.72  | 13.09  | 12.34  | 14.48  | 13.00  | 13.08  | 17.03  | 20.13  | 17.18  | 14.23  | 13.09  | 11.82  | 10.59  | 7.96   |
| 61756  | 0.07   | 0.07   | 0.05   | 0.07   | 0.10   | 0.12   | 0.21   | 0.28   | 0.37   | 0.53   | 0.45   | 0.40   | 0.34   | 0.42   | 0.35   | 0.35   | 0.51   | 0.69   | 0.52   | 0.42   | 0.37   | 0.30   | 0.24   | 0.17   |
|        | -1.80  | -1.72  | -1.75  | -1.47  | -1.27  | -1.51  | -1.56  | -2.05  | -1.55  | -0.76  | -0.59  | -0.63  | -0.68  | -0.47  | -0.81  | -0.79  | -0.61  | -0.68  | -0.75  | -0.91  | -0.90  | -0.92  | -1.01  | -1.09  |
| MILLWD | 15.58  | 14.81  | 14.33  | 12.94  | 13.11  | 14.76  | 17.39  | 23.28  | 24.53  | 23.24  | 20.87  | 20.15  | 20.02  | 20.13  | 20.20  | 20.20  | 23.80  | 29.79  | 25.37  | 22.13  | 20.02  | 17.97  | 16.77  | 14.32  |
| 61759  | 0.35   | 0.33   | 0.27   | 0.31   | 0.42   | 0.44   | 0.70   | 0.90   | 1.23   | 1.70   | 1.57   | 1.37   | 1.29   | 1.55   | 1.35   | 1.37   | 1.89   | 2.25   | 1.89   | 1.52   | 1.36   | 1.16   | 1.02   | 0.69   |
|        | -11.50 | -10.97 | -11.15 | -9.36  | -8.12  | -9.67  | -9.97  | -13.84 | -12.16 | -6.04  | -5.62  | -6.71  | -7.40  | -5.00  | -7.02  | -6.88  | -5.99  | -8.79  | -7.57  | -7.72  | -6.84  | -6.21  | -6.42  | -6.94  |
| N.Y.C. | 15.53  | 14.75  | 14.26  | 12.90  | 13.10  | 14.74  | 17.38  | 23.25  | 24.63  | 23.55  | 21.09  | 20.35  | 20.21  | 20.35  | 20.34  | 20.34  | 24.02  | 30.00  | 25.58  | 22.29  | 20.11  | 18.06  | 16.86  | 14.37  |
| 61761  | 0.40   | 0.37   | 0.30   | 0.35   | 0.48   | 0.50   | 0.78   | 1.02   | 1.38   | 2.00   | 1.79   | 1.56   | 1.46   | 1.75   | 1.50   | 1.53   | 2.10   | 2.40   | 2.08   | 1.70   | 1.49   | 1.30   | 1.17   | 0.80   |
|        | -11.40 | -10.88 | -11.05 | -9.28  | -8.04  | -9.59  | -9.88  | -13.70 | -12.10 | -6.06  | -5.62  | -6.73  | -7.43  | -5.01  | -7.01  | -6.86  | -6.00  | -8.85  | -7.58  | -7.70  | -6.80  | -6.15  | -6.36  | -6.87  |
| NORTH  | 3.62   | 3.39   | 2.81   | 3.17   | 4.44   | 4.49   | 6.35   | 8.13   | 10.59  | 14.64  | 12.96  | 11.49  | 10.81  | 12.99  | 11.30  | 11.41  | 15.07  | 17.73  | 14.07  | 12.21  | 11.18  | 10.07  | 8.89   | 6.40   |
| 61755  | -0.12  | -0.12  | -0.10  | -0.10  | -0.13  | -0.17  | -0.38  | -0.40  | -0.56  | -0.85  | -0.71  | -0.58  | -0.51  | -0.60  | -0.53  | -0.54  | -0.84  | -1.01  | -0.87  | -0.68  | -0.64  | -0.53  | -0.45  | -0.30  |
|        | 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   | 0.96   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| NPX    | 19.90  | 19.20  | 18.67  | 18.55  | 18.15  | 18.94  | 25.60  | 29.00  | 25.00  | 23.38  | 20.70  | 19.73  | 19.50  | 19.84  | 20.17  | 20.40  | 29.76  | 34.88  | 32.80  | 24.73  | 20.30  | 18.55  | 17.38  | 15.00  |
| 61845  | 0.34   | 0.32   | 0.27   | 0.30   | 0.42   | 0.44   | 0.69   | 0.90   | 1.20   | 1.64   | 1.53   | 1.34   | 1.25   | 1.52   | 1.31   | 1.33   | 1.80   | 2.12   | 1.80   | 1.44   | 1.29   | 1.11   | 0.98   | 0.67   |
|        | -15.82 | -15.37 | -15.49 | -14.98 | -13.16 | -13.85 | -18.18 | -19.57 | -12.65 | -6.25  | -5.50  | -6.33  | -6.93  | -4.73  | -7.03  | -7.13  | -12.05 | -14.01 | -15.09 | -10.39 | -7.19  | -6.84  | -7.06  | -7.63  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 5.30  | 5.00  | 4.50  | 4.50  | 5.44  | 5.10  | 7.50  | 10.00 | 10.00 | 10.40 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.50 | 15.75 | 18.18 | 15.76 | 13.00 | 12.00 | 10.89 | 9.81  | 7.44  |
|               | -0.35 | -0.33 | -0.26 | -0.33 | -0.49 | -0.37 | -0.33 | -0.64 | -0.82 | -1.08 | -0.77 | -0.77 | -0.71 | -0.88 | -0.77 | -0.76 | -0.65 | -0.90 | -0.72 | -0.75 | -0.76 | -0.74 | -0.60 | -0.42 |
|               | -1.91 | -1.83 | -1.85 | -1.56 | -1.35 | -0.82 | -1.10 | -2.10 | 0.32  | 4.01  | 2.91  | 1.29  | 0.61  | 2.70  | 1.06  | 0.68  | -0.49 | -0.33 | -0.57 | -0.86 | -0.93 | -1.03 | -1.07 | -1.16 |
| PJM<br>61847  | 10.52 | 9.97  | 9.48  | 8.79  | 9.37  | 10.41 | 12.82 | 16.84 | 18.28 | 19.37 | 17.22 | 16.00 | 15.57 | 16.68 | 16.06 | 16.13 | 19.85 | 23.98 | 20.61 | 17.64 | 16.13 | 14.59 | 13.42 | 10.98 |
|               | 0.05  | 0.05  | 0.04  | 0.04  | 0.04  | 0.10  | 0.26  | 0.23  | 0.33  | 0.51  | 0.55  | 0.45  | 0.42  | 0.49  | 0.41  | 0.44  | 0.78  | 0.86  | 0.75  | 0.53  | 0.45  | 0.36  | 0.34  | 0.23  |
|               | -6.73 | -6.42 | -6.53 | -5.48 | -4.75 | -5.66 | -5.83 | -8.07 | -6.80 | -3.36 | -3.00 | -3.49 | -3.83 | -2.60 | -3.82 | -3.74 | -3.16 | -4.37 | -3.96 | -4.22 | -3.86 | -3.63 | -3.75 | -4.05 |
| WEST<br>61752 | 5.39  | 5.09  | 4.57  | 4.58  | 5.54  | 6.01  | 8.27  | 10.48 | 12.29 | 15.70 | 13.96 | 12.24 | 11.53 | 13.56 | 12.23 | 12.34 | 16.31 | 18.84 | 16.29 | 13.42 | 12.36 | 11.18 | 10.06 | 7.62  |
|               | -0.28 | -0.26 | -0.21 | -0.26 | -0.40 | -0.27 | -0.13 | -0.38 | -0.45 | -0.56 | -0.23 | -0.31 | -0.29 | -0.39 | -0.35 | -0.36 | -0.09 | -0.24 | -0.19 | -0.34 | -0.40 | -0.46 | -0.35 | -0.25 |
|               | -1.93 | -1.84 | -1.87 | -1.57 | -1.36 | -1.63 | -1.67 | -2.32 | -1.59 | -0.77 | -0.52 | -0.49 | -0.50 | -0.37 | -0.75 | -0.75 | -0.49 | -0.33 | -0.57 | -0.86 | -0.94 | -1.04 | -1.08 | -1.17 |