

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

07/21/2020

| 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 | 20.07  | 18.19  | 17.01 | 16.21 | 16.31 | 16.42 | 17.31 | 18.13 | 21.10 | 24.37 | 26.69 | 28.54  | 30.07  | 32.61  | 35.75  | 37.78  | 41.12  | 43.13  | 37.75  | 31.41  | 28.39  | 25.80  | 22.79 | 21.37 |
| 61757  | 1.35   | 1.22   | 1.16  | 1.06  | 1.07  | 1.13  | 1.19  | 1.25  | 1.54  | 1.68  | 1.65  | 1.72   | 1.86   | 1.90   | 2.06   | 2.21   | 2.62   | 2.67   | 2.40   | 2.00   | 1.93   | 1.69   | 1.61  | 1.45  |
|        | 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  |
| CENTRL | 19.15  | 17.33  | 16.08 | 15.37 | 15.46 | 15.48 | 16.33 | 17.17 | 19.85 | 24.02 | 26.70 | 28.82  | 30.58  | 33.63  | 37.32  | 39.24  | 42.43  | 44.65  | 38.97  | 32.08  | 28.83  | 25.66  | 22.03 | 20.36 |
| 61754  | 0.43   | 0.36   | 0.22  | 0.21  | 0.21  | 0.20  | 0.21  | 0.29  | 0.29  | 0.43  | 0.55  | 0.67   | 0.88   | 1.01   | 1.08   | 1.17   | 1.23   | 1.42   | 1.31   | 1.03   | 0.69   | 0.60   | 0.47  | 0.44  |
|        | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.90 | -1.10 | -1.33  | -1.50  | -1.92  | -2.54  | -2.50  | -2.70  | -2.77  | -2.32  | -1.64  | -1.69  | -0.94  | -0.38 | 0.00  |
| DUNWOD | 20.98  | 18.94  | 17.69 | 16.89 | 16.95 | 17.01 | 18.13 | 18.90 | 21.92 | 25.39 | 28.00 | 29.87  | 31.34  | 34.02  | 37.34  | 39.73  | 43.12  | 45.15  | 39.17  | 32.46  | 29.34  | 26.74  | 23.49 | 22.13 |
| 61760  | 2.26   | 1.97   | 1.84  | 1.74  | 1.71  | 1.73  | 2.01  | 2.02  | 2.37  | 2.70  | 2.95  | 3.06   | 3.13   | 3.32   | 3.64   | 4.16   | 4.62   | 4.69   | 3.82   | 3.06   | 2.88   | 2.63   | 2.31  | 2.21  |
|        | 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  |
| GENESE | 18.89  | 17.12  | 15.78 | 15.11 | 15.17 | 15.15 | 15.87 | 16.83 | 19.38 | 22.69 | 25.19 | 27.17  | 28.94  | 31.65  | 34.67  | 36.64  | 37.45  | 41.87  | 36.62  | 30.43  | 26.88  | 24.43  | 21.35 | 20.06 |
| 61753  | 0.17   | 0.15   | -0.08 | -0.05 | -0.08 | -0.14 | -0.24 | -0.05 | -0.18 | 0.00  | 0.15  | 0.35   | 0.73   | 0.95   | 0.98   | 1.07   | 1.00   | 1.42   | 1.27   | 1.03   | 0.42   | 0.31   | 0.17  | 0.14  |
|        | 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   | 2.05   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00  |
| H Q    | 18.00  | 16.36  | 15.30 | 14.65 | 14.74 | 14.78 | 15.55 | 16.44 | 18.67 | 20.69 | 22.35 | 23.67  | 24.64  | 26.43  | 28.29  | 29.89  | 32.22  | 33.88  | 29.72  | 25.57  | 22.23  | 21.41  | 19.64 | 19.18 |
| 61844  | -0.71  | -0.61  | -0.56 | -0.50 | -0.50 | -0.50 | -0.56 | -0.59 | -0.72 | -0.86 | -0.90 | -0.96  | -1.04  | -1.10  | -1.18  | -1.28  | -1.42  | -1.50  | -1.27  | -1.06  | -0.95  | -0.82  | -0.76 | -0.74 |
|        | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.16 | 0.16  | 1.14  | 1.79  | 2.18   | 2.53   | 3.17   | 4.23   | 4.40   | 4.85   | 5.08   | 4.35   | 2.78   | 3.28   | 1.89   | 0.78  | 0.00  |
| HUD VL | 20.63  | 18.65  | 17.43 | 16.62 | 16.70 | 16.74 | 17.81 | 18.55 | 21.51 | 24.92 | 27.42 | 29.31  | 30.74  | 33.37  | 36.63  | 38.91  | 42.20  | 44.26  | 38.42  | 31.84  | 28.76  | 26.21  | 23.07 | 21.75 |
| 61758  | 1.91   | 1.68   | 1.57  | 1.47  | 1.45  | 1.45  | 1.69  | 1.67  | 1.96  | 2.23  | 2.38  | 2.49   | 2.54   | 2.67   | 2.93   | 3.34   | 3.70   | 3.80   | 3.07   | 2.44   | 2.30   | 2.10   | 1.88  | 1.83  |
|        | 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  |
| LONGIL | 34.00  | 36.00  | 26.74 | 25.88 | 25.13 | 27.02 | 22.63 | 26.97 | 29.33 | 31.01 | 31.30 | 44.11  | 46.67  | 70.08  | 69.91  | 72.29  | 88.00  | 85.38  | 82.76  | 72.00  | 62.40  | 48.27  | 34.12 | 28.58 |
| 61762  | 2.98   | 2.65   | 2.47  | 2.35  | 2.32  | 2.31  | 2.61  | 2.63  | 3.09  | 3.52  | 3.63  | 3.65   | 3.75   | 3.99   | 4.68   | 5.19   | 5.74   | 5.83   | 4.88   | 3.94   | 3.65   | 3.35   | 2.97  | 2.91  |
|        | -12.30 | -16.38 | -8.41 | -8.38 | -7.57 | -9.43 | -3.90 | -7.46 | -6.69 | -4.80 | -2.63 | -13.64 | -14.72 | -35.39 | -31.53 | -31.53 | -43.76 | -39.09 | -42.54 | -38.65 | -32.29 | -20.80 | -9.97 | -5.76 |
| MHK VL | 19.36  | 17.51  | 16.30 | 15.58 | 15.64 | 15.73 | 16.63 | 17.49 | 20.24 | 24.57 | 27.59 | 29.95  | 31.55  | 34.75  | 38.87  | 40.86  | 44.46  | 46.63  | 40.66  | 33.45  | 30.42  | 26.44  | 22.72 | 20.67 |
| 61756  | 0.64   | 0.54   | 0.44  | 0.42  | 0.40  | 0.44  | 0.52  | 0.61  | 0.68  | 0.86  | 1.00  | 1.15   | 1.10   | 1.23   | 1.42   | 1.39   | 1.65   | 1.66   | 1.45   | 1.21   | 1.03   | 1.04   | 0.85  | 0.76  |
|        | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.01 | -1.55 | -1.98  | -2.24  | -2.81  | -3.76  | -3.91  | -4.31  | -4.52  | -3.87  | -2.84  | -2.93  | -1.29  | -0.69 | 0.00  |
| MILLWD | 20.81  | 18.82  | 17.57 | 16.78 | 16.82 | 16.87 | 18.00 | 18.74 | 21.74 | 25.21 | 27.75 | 29.63  | 31.08  | 33.83  | 37.10  | 39.48  | 42.85  | 44.95  | 38.99  | 32.29  | 29.13  | 26.55  | 23.28 | 21.95 |
| 61759  | 2.10   | 1.85   | 1.71  | 1.62  | 1.57  | 1.59  | 1.88  | 1.86  | 2.19  | 2.52  | 2.71  | 2.82   | 2.88   | 3.13   | 3.40   | 3.91   | 4.35   | 4.49   | 3.64   | 2.88   | 2.67   | 2.43   | 2.10  | 2.03  |
|        | 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  |
| N.Y.C. | 26.85  | 20.09  | 17.89 | 17.10 | 17.16 | 17.20 | 18.49 | 23.53 | 26.08 | 29.26 | 29.77 | 32.58  | 35.00  | 37.64  | 39.90  | 41.97  | 44.89  | 46.58  | 41.68  | 35.93  | 32.83  | 30.77  | 30.00 | 24.21 |
| 61761  | 2.49   | 2.19   | 2.03  | 1.94  | 1.91  | 1.91  | 2.17  | 2.21  | 2.58  | 2.95  | 3.16  | 3.30   | 3.33   | 3.59   | 3.87   | 4.45   | 4.97   | 5.02   | 4.13   | 3.32   | 3.17   | 2.87   | 2.56  | 2.47  |
|        | -5.64  | -0.93  | 0.00  | -0.01 | 0.00  | -0.01 | -0.20 | -4.44 | -3.95 | -3.62 | -1.57 | -2.47  | -3.47  | -3.35  | -2.33  | -1.96  | -1.42  | -1.11  | -2.20  | -3.21  | -3.20  | -3.78  | -6.26 | -1.82 |
| NORTH  | 17.64  | 16.11  | 15.08 | 14.46 | 14.53 | 14.60 | 15.34 | 16.07 | 18.46 | 18.27 | 18.89 | 19.29  | 19.63  | 20.29  | 20.24  | 21.47  | 22.95  | 24.16  | 21.43  | 19.03  | 15.91  | 18.97  | 17.94 | 18.84 |
| 61755  | -1.07  | -0.86  | -0.78 | -0.70 | -0.72 | -0.69 | -0.77 | -0.81 | -1.09 | -1.23 | -1.28 | -1.29  | -1.50  | -1.53  | -1.62  | -1.78  | -1.96  | -2.06  | -1.73  | -1.41  | -1.32  | -1.08  | -1.06 | -1.08 |
|        | 0.01   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 3.19  | 4.88  | 6.24   | 7.08   | 8.87   | 11.84  | 12.32  | 13.59  | 14.24  | 12.19  | 8.96   | 9.23   | 4.06   | 2.18  | 0.00  |
| NPX    | 20.18  | 18.26  | 17.09 | 16.29 | 16.39 | 16.46 | 17.45 | 18.35 | 20.92 | 24.37 | 26.75 | 28.63  | 30.07  | 32.61  | 35.82  | 37.88  | 41.12  | 43.13  | 37.54  | 31.68  | 28.28  | 25.24  | 22.64 | 21.37 |
| 61845  | 1.46   | 1.29   | 1.24  | 1.14  | 1.14  | 1.18  | 1.34  | 1.32  | 1.53  | 1.68  | 1.75  | 1.77   | 1.86   | 1.90   | 2.12   | 2.31   | 2.62   | 2.67   | 2.19   | 1.85   | 1.80   | 1.57   | 1.46  | 1.45  |
|        | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.16 | 0.16  | 0.00  | 0.05  | -0.05  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -0.42  | -0.02  | 0.44   | 0.00  | 0.00  |

|               |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| O H<br>61846  | 18.53 | 16.92 | 15.49 | 14.88 | 14.96 | 14.87 | 15.36 | 16.51 | 18.50 | 18.30 | 21.10 | 21.10  | 20.40  | 20.34  | 21.30  | 25.00  | 26.67  | 32.81  | 29.80  | 26.55 | 23.69 | 21.10 | 20.25 | 19.52 |
|               | -0.19 | -0.05 | -0.36 | -0.27 | -0.29 | -0.41 | -0.76 | -0.52 | -0.90 | -0.73 | -0.75 | -0.59  | -0.23  | -0.03  | -0.23  | 0.04   | -0.35  | 0.29   | 0.39   | 0.21  | -0.56 | -0.55 | -0.57 | -0.40 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.15 | 0.16  | 3.66  | 3.19  | 5.13   | 7.58   | 10.33  | 12.16  | 10.61  | 11.48  | 7.93   | 5.94   | 3.06  | 2.21  | 2.46  | 0.36  | 0.00  |
| PJM<br>61847  | 19.90 | 18.04 | 16.73 | 16.00 | 16.07 | 16.06 | 16.97 | 18.03 | 20.55 | 24.62 | 26.82 | 30.18  | 33.16  | 37.07  | 40.65  | 42.72  | 47.54  | 47.95  | 41.21  | 33.68 | 28.15 | 25.39 | 22.24 | 20.99 |
|               | 1.18  | 1.07  | 0.87  | 0.85  | 0.82  | 0.78  | 0.84  | 0.88  | 0.92  | 1.11  | 1.25  | 1.45   | 1.61   | 1.78   | 1.85   | 2.21   | 2.31   | 2.59   | 2.19   | 1.70  | 1.30  | 1.18  | 1.00  | 1.07  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -0.27 | -0.08 | -0.82 | -0.53 | -1.92  | -3.35  | -4.59  | -5.10  | -4.94  | -6.73  | -4.90  | -3.67  | -2.57 | -0.39 | -0.09 | -0.06 | 0.00  |
| WEST<br>61752 | 19.15 | 17.45 | 15.95 | 15.30 | 15.41 | 15.33 | 15.93 | 16.97 | 19.38 | 29.64 | 31.04 | 38.47  | 46.47  | 55.62  | 62.25  | 62.04  | 68.56  | 64.49  | 53.77  | 40.53 | 31.02 | 28.16 | 22.06 | 20.22 |
|               | 0.43  | 0.47  | 0.10  | 0.15  | 0.17  | 0.05  | -0.19 | 0.08  | -0.18 | 0.14  | 0.15  | 0.43   | 0.85   | 1.14   | 1.05   | 1.39   | 1.08   | 1.78   | 1.77   | 1.35  | 0.42  | 0.34  | 0.21  | 0.30  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -6.81 | -5.85 | -11.22 | -17.42 | -23.78 | -27.51 | -25.08 | -28.98 | -22.25 | -16.66 | -9.77 | -4.13 | -3.71 | -0.67 | 0.00  |