

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

07/25/2020

| 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 | 18.54 | 16.84 | 15.82 | 15.21 | 14.75 | 14.56 | 14.77 | 15.81 | 16.39 | 19.09 | 20.74 | 22.78 | 24.49  | 26.27  | 28.53  | 29.03  | 31.81  | 33.33  | 30.55  | 25.93  | 24.15  | 22.46 | 21.41 | 19.89 |
| 61757  | 1.26  | 1.13  | 1.06  | 1.01  | 0.95  | 0.97  | 0.95  | 0.96  | 0.91  | 1.16  | 1.26  | 1.43  | 1.49   | 1.65   | 1.79   | 1.87   | 2.32   | 2.38   | 2.21   | 1.80   | 1.71   | 1.52  | 1.56  | 1.42  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.02 | -0.06 | -0.05 | -0.02  | -0.04  | -0.07  | -0.04  | -0.13  | -0.05  | -0.08  | -0.07  | -0.17  | -0.12 | -0.09 | -0.27 |
| CENTRL | 17.64 | 15.91 | 14.93 | 14.32 | 13.94 | 13.69 | 13.92 | 14.94 | 15.68 | 18.31 | 19.94 | 21.92 | 23.83  | 25.63  | 27.89  | 28.27  | 30.48  | 32.24  | 29.33  | 24.93  | 23.02  | 21.62 | 20.25 | 18.56 |
| 61754  | 0.36  | 0.20  | 0.18  | 0.13  | 0.14  | 0.10  | 0.11  | 0.09  | 0.20  | 0.34  | 0.41  | 0.45  | 0.60   | 0.69   | 0.77   | 0.76   | 0.68   | 0.86   | 0.79   | 0.65   | 0.56   | 0.60  | 0.43  | 0.36  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.07 | -0.11 | -0.17 | -0.26  | -0.36  | -0.45  | -0.40  | -0.44  | -0.48  | -0.27  | -0.23  | -0.20  | -0.19 | -0.06 | 0.00  |
| DUNWOD | 19.13 | 17.36 | 16.38 | 15.67 | 15.25 | 15.02 | 15.29 | 16.54 | 17.21 | 19.95 | 21.52 | 23.52 | 25.33  | 26.96  | 29.25  | 29.75  | 32.30  | 33.83  | 30.95  | 26.41  | 24.51  | 22.97 | 21.87 | 20.20 |
| 61760  | 1.85  | 1.65  | 1.62  | 1.48  | 1.45  | 1.43  | 1.48  | 1.69  | 1.73  | 2.04  | 2.10  | 2.22  | 2.35   | 2.38   | 2.59   | 2.63   | 2.94   | 2.94   | 2.69   | 2.36   | 2.25   | 2.15  | 2.12  | 2.00  |
|        | 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  | 0.00  |
| GENESE | 17.35 | 15.55 | 14.61 | 13.96 | 13.58 | 13.31 | 13.55 | 14.49 | 15.35 | 17.94 | 19.60 | 21.56 | 23.42  | 25.10  | 27.28  | 27.82  | 29.89  | 31.61  | 28.94  | 24.48  | 22.60  | 21.24 | 19.78 | 18.19 |
| 61753  | 0.07  | -0.16 | -0.15 | -0.24 | -0.22 | -0.29 | -0.26 | -0.36 | -0.12 | 0.04  | 0.17  | 0.26  | 0.44   | 0.52   | 0.61   | 0.70   | 0.53   | 0.71   | 0.68   | 0.43   | 0.33   | 0.42  | 0.02  | 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  | 0.00  |
| H Q    | 16.71 | 15.25 | 14.31 | 13.79 | 13.39 | 13.21 | 13.41 | 14.43 | 15.03 | 16.30 | 17.30 | 20.26 | 21.05  | 23.48  | 23.60  | 23.60  | 27.55  | 29.50  | 26.79  | 22.76  | 20.43  | 19.37 | 18.52 | 15.87 |
| 61844  | -0.57 | -0.46 | -0.44 | -0.41 | -0.41 | -0.38 | -0.40 | -0.42 | -0.45 | -0.59 | -0.66 | -0.72 | -0.78  | -0.84  | -0.91  | -0.92  | -1.00  | -1.05  | -0.96  | -0.82  | -0.76  | -0.73 | -0.67 | -0.62 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 1.01  | 1.46  | 0.32  | 1.15   | 0.27   | 2.16   | 2.60   | 0.82   | 0.34   | 0.51   | 0.47   | 1.08   | 0.73  | 0.56  | 1.71  |
| HUD VL | 18.84 | 17.11 | 16.13 | 15.48 | 15.03 | 14.82 | 15.07 | 16.29 | 16.92 | 19.62 | 21.19 | 23.22 | 24.96  | 26.67  | 28.93  | 29.42  | 31.98  | 33.52  | 30.66  | 26.09  | 24.20  | 22.66 | 21.56 | 19.89 |
| 61758  | 1.56  | 1.40  | 1.37  | 1.28  | 1.23  | 1.22  | 1.26  | 1.44  | 1.44  | 1.72  | 1.77  | 1.92  | 1.98   | 2.09   | 2.27   | 2.30   | 2.61   | 2.62   | 2.40   | 2.04   | 1.94   | 1.83  | 1.80  | 1.69  |
|        | 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 | 24.03 | 20.65 | 19.00 | 18.03 | 17.67 | 17.41 | 17.64 | 19.69 | 21.86 | 26.45 | 29.41 | 31.28 | 43.49  | 50.64  | 65.90  | 68.00  | 64.65  | 73.14  | 66.00  | 50.64  | 41.30  | 32.40 | 29.22 | 23.99 |
| 61762  | 2.54  | 2.28  | 2.23  | 2.04  | 2.01  | 1.97  | 2.04  | 2.27  | 2.35  | 2.79  | 2.86  | 3.09  | 3.19   | 3.19   | 3.36   | 3.44   | 3.82   | 3.92   | 3.56   | 3.17   | 3.00   | 2.94  | 2.94  | 2.75  |
|        | -4.21 | -2.66 | -2.02 | -1.78 | -1.86 | -1.85 | -1.78 | -2.57 | -4.03 | -5.75 | -7.13 | -6.89 | -17.31 | -22.87 | -35.87 | -37.44 | -31.47 | -38.32 | -34.18 | -23.41 | -16.03 | -8.63 | -6.52 | -3.04 |
| MHK VL | 17.90 | 16.18 | 15.17 | 14.58 | 14.16 | 13.94 | 14.20 | 15.29 | 15.97 | 18.48 | 19.95 | 21.95 | 23.84  | 25.48  | 27.61  | 28.14  | 30.13  | 32.11  | 29.28  | 24.78  | 22.62  | 21.29 | 20.25 | 17.89 |
| 61756  | 0.62  | 0.47  | 0.41  | 0.38  | 0.36  | 0.35  | 0.39  | 0.44  | 0.50  | 0.64  | 0.72  | 0.81  | 0.92   | 1.03   | 1.17   | 1.17   | 1.18   | 1.39   | 1.27   | 0.96   | 0.89   | 0.83  | 0.77  | 0.65  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.07  | 0.19  | 0.16  | 0.06   | 0.13   | 0.23   | 0.14   | 0.41   | 0.17   | 0.25   | 0.23   | 0.54   | 0.36  | 0.28  | 0.96  |
| MILLWD | 19.02 | 17.28 | 16.29 | 15.59 | 15.15 | 14.92 | 15.18 | 16.42 | 17.12 | 19.84 | 21.44 | 23.48 | 25.30  | 27.09  | 29.36  | 29.78  | 32.42  | 33.92  | 31.00  | 26.38  | 24.47  | 22.91 | 21.78 | 20.10 |
| 61759  | 1.74  | 1.57  | 1.53  | 1.39  | 1.35  | 1.33  | 1.37  | 1.57  | 1.64  | 1.93  | 2.02  | 2.17  | 2.32   | 2.51   | 2.69   | 2.66   | 3.05   | 3.03   | 2.74   | 2.33   | 2.20   | 2.08  | 2.02  | 1.91  |
|        | 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. | 19.36 | 17.57 | 16.56 | 15.84 | 15.42 | 15.17 | 15.44 | 16.92 | 18.45 | 22.34 | 23.59 | 26.60 | 28.05  | 31.21  | 32.51  | 32.73  | 34.95  | 36.11  | 33.68  | 28.87  | 26.63  | 25.10 | 23.96 | 22.14 |
| 61761  | 2.07  | 1.85  | 1.80  | 1.65  | 1.61  | 1.58  | 1.62  | 1.84  | 1.92  | 2.26  | 2.35  | 2.56  | 2.69   | 2.63   | 2.80   | 2.74   | 3.00   | 3.00   | 2.74   | 2.52   | 2.49   | 2.41  | 2.39  | 2.26  |
|        | 0.00  | 0.00  | -0.01 | 0.00  | -0.01 | 0.00  | -0.01 | -0.23 | -1.06 | -2.18 | -1.82 | -2.75 | -2.38  | -4.00  | -3.04  | -2.87  | -2.59  | -2.22  | -2.68  | -2.30  | -1.87  | -1.86 | -1.81 | -1.69 |
| NORTH  | 16.62 | 15.16 | 14.21 | 13.69 | 13.29 | 13.17 | 13.37 | 14.39 | 15.00 | 16.69 | 17.14 | 19.23 | 21.64  | 22.60  | 23.80  | 25.00  | 25.00  | 28.38  | 25.17  | 21.22  | 17.00  | 16.99 | 16.64 | 10.46 |
| 61755  | -0.66 | -0.55 | -0.55 | -0.51 | -0.51 | -0.42 | -0.44 | -0.46 | -0.48 | -0.68 | -0.74 | -0.77 | -0.83  | -0.88  | -0.99  | -0.98  | -1.03  | -1.11  | -1.02  | -0.91  | -0.87  | -0.85 | -0.81 | -0.75 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.53  | 1.54  | 1.31  | 0.51   | 1.09   | 1.88   | 1.14   | 3.34   | 1.40   | 2.08   | 1.92   | 4.40   | 2.98  | 2.31  | 6.99  |
| NPX    | 18.58 | 16.87 | 15.89 | 15.26 | 14.84 | 14.62 | 14.85 | 15.93 | 16.56 | 19.18 | 20.80 | 22.77 | 24.50  | 26.18  | 28.35  | 28.91  | 31.48  | 33.00  | 30.21  | 25.76  | 23.82  | 22.26 | 21.18 | 19.56 |
| 61845  | 1.30  | 1.16  | 1.14  | 1.07  | 1.04  | 1.03  | 1.04  | 1.08  | 1.08  | 1.27  | 1.38  | 1.47  | 1.52   | 1.60   | 1.68   | 1.79   | 2.12   | 2.10   | 1.95   | 1.71   | 1.56   | 1.44  | 1.42  | 1.37  |
|        | 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  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |        |        |        |        |        |        |        |        |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| OH<br>61846   | 17.04 | 15.24 | 14.34 | 13.71 | 13.36 | 13.14 | 13.34 | 14.19 | 15.12 | 16.29 | 17.00 | 17.60 | 17.75  | 17.17  | 17.60  | 19.08  | 20.10  | 21.00  | 22.40  | 19.25  | 18.00 | 17.00 | 18.10 | 17.60 |
|               | -0.24 | -0.47 | -0.41 | -0.48 | -0.44 | -0.45 | -0.47 | -0.65 | -0.36 | -0.25 | -0.21 | -0.28 | -0.18  | -0.20  | -0.24  | -0.19  | -0.59  | -0.43  | -0.45  | -0.34  | -0.33 | -0.02 | -0.47 | -0.53 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 1.36  | 2.21  | 3.42  | 5.05   | 7.21   | 8.83   | 7.85   | 8.68   | 9.46   | 5.41   | 4.47   | 3.93  | 3.80  | 1.19  | 0.06  |
| PJM<br>61847  | 18.23 | 16.45 | 15.49 | 14.84 | 14.45 | 14.22 | 14.46 | 15.55 | 16.39 | 19.58 | 21.48 | 23.99 | 26.42  | 28.96  | 31.84  | 31.88  | 34.51  | 36.45  | 31.88  | 27.17  | 25.08 | 23.68 | 21.31 | 19.17 |
|               | 0.95  | 0.74  | 0.74  | 0.64  | 0.65  | 0.63  | 0.65  | 0.68  | 0.84  | 1.04  | 1.07  | 1.09  | 1.19   | 1.18   | 1.25   | 1.27   | 1.29   | 1.36   | 1.21   | 1.13   | 1.07  | 1.17  | 1.03  | 0.95  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.02 | -0.07 | -0.64 | -0.99 | -1.60 | -2.24  | -3.20  | -3.92  | -3.49  | -3.85  | -4.20  | -2.40  | -1.98  | -1.75 | -1.69 | -0.53 | -0.03 |
| WEST<br>61752 | 17.63 | 15.74 | 14.80 | 14.13 | 13.76 | 13.55 | 13.80 | 14.68 | 15.71 | 21.69 | 25.35 | 30.19 | 35.97  | 42.81  | 48.88  | 47.00  | 50.91  | 54.55  | 41.98  | 35.49  | 32.37 | 30.89 | 22.95 | 18.53 |
|               | 0.35  | 0.03  | 0.04  | -0.07 | -0.04 | -0.04 | -0.01 | -0.16 | 0.23  | 0.48  | 0.58  | 0.60  | 0.76   | 0.76   | 0.83   | 0.87   | 0.53   | 0.74   | 0.62   | 0.62   | 0.58  | 0.85  | 0.32  | 0.18  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -3.30 | -5.35 | -8.29 | -12.23 | -17.47 | -21.38 | -19.01 | -21.02 | -22.92 | -13.10 | -10.82 | -9.52 | -9.21 | -2.88 | -0.15 |