

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

03/27/2019

| 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 | 32.31 | 25.24 | 22.60 | 26.70 | 28.75 | 36.25 | 45.20 | 62.28  | 39.78 | 32.61 | 28.33 | 28.42 | 23.90 | 23.91 | 23.88 | 24.04 | 24.36  | 24.18 | 35.15 | 32.89 | 61.91 | 32.16 | 23.56 | 24.21 |
| 61757  | 1.30  | 1.05  | 0.96  | 1.17  | 1.24  | 1.39  | 1.25  | 2.00   | 1.51  | 1.12  | 0.92  | 0.91  | 0.83  | 0.87  | 0.95  | 0.91  | 0.97   | 1.12  | 1.74  | 1.59  | 2.94  | 1.66  | 1.24  | 1.16  |
|        | 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  | 0.01  | 0.00  | 0.00  | 0.03   | 0.04  | 0.00  | 0.13  | 0.00  | 0.00  | 0.37  | -2.36 |
| CENTRL | 31.98 | 24.89 | 22.26 | 26.16 | 28.15 | 35.56 | 44.69 | 61.35  | 38.98 | 32.14 | 28.07 | 28.21 | 23.59 | 23.50 | 23.31 | 23.44 | 23.72  | 23.32 | 33.67 | 31.86 | 59.90 | 30.76 | 23.12 | 21.08 |
| 61754  | 0.96  | 0.70  | 0.62  | 0.63  | 0.64  | 0.71  | 0.75  | 1.09   | 0.72  | 0.65  | 0.66  | 0.70  | 0.53  | 0.44  | 0.38  | 0.31  | 0.30   | 0.20  | 0.25  | 0.36  | 0.93  | 0.25  | 0.12  | 0.09  |
|        | 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  | -0.01  | -0.02 | 0.00  | -0.07 | 0.00  | 0.00  | -0.30 | -0.29 |
| DUNWOD | 34.57 | 26.86 | 24.06 | 28.36 | 30.58 | 38.65 | 47.83 | 65.93  | 42.27 | 35.23 | 30.74 | 30.96 | 25.94 | 26.00 | 25.88 | 26.03 | 26.56  | 26.35 | 37.63 | 36.19 | 66.09 | 34.40 | 29.00 | 25.11 |
| 61760  | 3.55  | 2.67  | 2.41  | 2.83  | 3.07  | 3.80  | 3.88  | 5.66   | 4.01  | 3.74  | 3.33  | 3.46  | 2.87  | 2.90  | 2.96  | 2.90  | 2.99   | 2.98  | 4.22  | 3.99  | 7.12  | 3.89  | 3.04  | 2.70  |
|        | 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  | -0.05 | 0.00  | 0.00   | -0.16 | -0.27 | 0.00  | -0.78 | 0.00  | -3.26 | -1.71 |
| GENESE | 31.62 | 24.64 | 21.95 | 25.68 | 27.53 | 34.69 | 44.07 | 63.52  | 38.09 | 31.43 | 27.47 | 27.55 | 22.96 | 22.73 | 22.34 | 22.40 | 22.62  | 22.16 | 31.93 | 30.27 | 57.42 | 29.31 | 21.96 | 20.09 |
| 61753  | 0.61  | 0.45  | 0.30  | 0.15  | 0.02  | -0.16 | -0.33 | -0.47  | -0.17 | -0.06 | 0.06  | 0.04  | -0.10 | -0.33 | -0.58 | -0.73 | -0.80  | -0.95 | -1.48 | -1.20 | -1.55 | -1.19 | -0.95 | -0.81 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.45 | -3.73  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01  | -0.02 | 0.00  | -0.05 | 0.00  | 0.00  | -0.21 | -0.20 |
| H Q    | 29.97 | 23.40 | 20.92 | 24.72 | 26.67 | 24.90 | 42.17 | 73.22  | 36.10 | 29.28 | 26.61 | 26.66 | 22.38 | 22.38 | 22.23 | 22.45 | 22.71  | 22.43 | 32.48 | 30.55 | 57.33 | 29.63 | 22.01 | 20.06 |
| 61844  | -1.05 | -0.79 | -0.72 | -0.81 | -0.84 | -0.88 | -0.59 | -1.01  | -0.85 | -0.83 | -0.80 | -0.85 | -0.68 | -0.67 | -0.70 | -0.67 | -0.70  | -0.66 | -0.93 | -0.88 | -1.64 | -0.88 | -0.68 | -0.64 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 9.08  | 1.19  | -13.95 | 1.31  | 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  |
| HUD VL | 34.18 | 26.54 | 23.78 | 28.05 | 30.25 | 38.24 | 47.51 | 65.45  | 41.83 | 34.78 | 30.32 | 30.52 | 25.55 | 25.60 | 25.47 | 25.64 | 26.13  | 25.90 | 37.09 | 35.55 | 65.29 | 33.95 | 28.11 | 24.76 |
| 61758  | 3.16  | 2.35  | 2.14  | 2.52  | 2.74  | 3.39  | 3.56  | 5.18   | 3.57  | 3.29  | 2.91  | 3.01  | 2.49  | 2.51  | 2.54  | 2.51  | 2.59   | 2.57  | 3.67  | 3.47  | 6.32  | 3.45  | 2.67  | 2.38  |
|        | 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  | -0.04 | 0.00  | 0.00  | -0.13  | -0.23 | 0.00  | -0.65 | 0.00  | 0.00  | -2.74 | -1.69 |
| LONGIL | 35.08 | 27.14 | 24.34 | 28.66 | 30.99 | 39.32 | 47.67 | 65.80  | 42.37 | 37.51 | 32.01 | 32.05 | 26.04 | 27.32 | 27.55 | 27.46 | 27.46  | 26.55 | 37.88 | 36.67 | 67.29 | 34.91 | 29.34 | 25.50 |
| 61762  | 4.06  | 2.95  | 2.70  | 3.13  | 3.48  | 4.47  | 3.72  | 5.53   | 4.10  | 3.95  | 3.68  | 3.64  | 2.96  | 3.08  | 3.15  | 3.14  | 3.19   | 3.11  | 4.47  | 4.47  | 8.32  | 4.40  | 3.38  | 3.08  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | -0.01 | -2.08 | -0.92 | -0.90 | -0.01 | -1.19 | -1.48 | -1.19 | -0.86  | -0.35 | 0.00  | -0.78 | 0.00  | 0.00  | -3.26 | -1.72 |
| MHK VL | 32.02 | 24.94 | 22.32 | 26.38 | 28.45 | 36.10 | 45.60 | 62.67  | 39.83 | 32.78 | 28.46 | 28.49 | 23.83 | 23.78 | 23.60 | 23.78 | 24.06  | 23.78 | 34.43 | 32.59 | 61.03 | 31.37 | 23.71 | 21.53 |
| 61756  | 1.00  | 0.75  | 0.68  | 0.85  | 0.94  | 1.25  | 1.65  | 2.40   | 1.57  | 1.30  | 1.05  | 0.97  | 0.76  | 0.73  | 0.68  | 0.65  | 0.64   | 0.65  | 1.02  | 1.06  | 2.06  | 0.87  | 0.58  | 0.51  |
|        | 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  | -0.01 | 0.00  | 0.00  | -0.02  | -0.04 | 0.00  | -0.10 | 0.00  | 0.00  | -0.44 | -0.32 |
| MILLWD | 34.46 | 26.78 | 23.98 | 28.29 | 30.50 | 38.56 | 47.80 | 65.88  | 42.19 | 35.11 | 30.62 | 30.83 | 25.82 | 25.88 | 25.75 | 25.91 | 26.43  | 26.22 | 37.46 | 36.04 | 65.89 | 34.29 | 28.84 | 25.03 |
| 61759  | 3.44  | 2.59  | 2.34  | 2.76  | 2.99  | 3.71  | 3.85  | 5.61   | 3.93  | 3.62  | 3.21  | 3.32  | 2.75  | 2.78  | 2.82  | 2.78  | 2.87   | 2.86  | 4.05  | 3.85  | 6.92  | 3.78  | 2.95  | 2.62  |
|        | 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  | -0.05 | 0.00  | 0.00  | -0.15  | -0.27 | 0.00  | -0.76 | 0.00  | 0.00  | -3.19 | -1.72 |
| N.Y.C. | 34.80 | 27.04 | 24.21 | 28.55 | 30.77 | 38.86 | 47.99 | 66.21  | 42.55 | 36.66 | 33.61 | 33.27 | 29.90 | 30.25 | 30.07 | 29.86 | 45.03  | 30.10 | 38.47 | 37.61 | 66.38 | 35.10 | 29.22 | 25.30 |
| 61761  | 3.78  | 2.85  | 2.57  | 3.02  | 3.26  | 4.01  | 4.04  | 5.94   | 4.29  | 4.03  | 3.59  | 3.71  | 3.09  | 3.11  | 3.17  | 3.10  | 3.21   | 3.18  | 4.48  | 4.21  | 7.43  | 4.13  | 3.26  | 2.89  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00   | 0.00  | -1.14 | -2.61 | -2.05 | -3.75 | -4.09 | -3.98 | -3.63 | -18.41 | -3.82 | -0.58 | -1.97 | 0.03  | -0.45 | -3.27 | -1.72 |
| NORTH  | 29.84 | 23.36 | 20.93 | 24.80 | 26.82 | 34.25 | 43.83 | 60.43  | 38.14 | 31.12 | 26.89 | 26.89 | 22.60 | 22.61 | 22.44 | 22.55 | 22.79  | 22.52 | 32.65 | 30.71 | 57.73 | 29.77 | 22.02 | 19.96 |
| 61755  | -1.17 | -0.83 | -0.72 | -0.73 | -0.69 | -0.60 | -0.12 | 0.16   | -0.12 | -0.37 | -0.52 | -0.62 | -0.47 | -0.44 | -0.49 | -0.57 | -0.61  | -0.58 | -0.76 | -0.72 | -1.24 | -0.73 | -0.67 | -0.74 |
|        | 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  |
| NPX    | 30.07 | 24.97 | 22.36 | 26.44 | 28.44 | 35.82 | 36.55 | 59.15  | 38.01 | 28.11 | 26.26 | 26.35 | 23.61 | 23.75 | 23.80 | 23.97 | 24.28  | 24.15 | 35.13 | 32.21 | 61.41 | 32.10 | 23.09 | 24.12 |
| 61845  | 0.91  | 0.78  | 0.72  | 0.91  | 0.93  | 0.97  | 0.48  | 0.98   | 1.05  | 0.72  | 0.61  | 0.63  | 0.62  | 0.71  | 0.87  | 0.84  | 0.92   | 1.13  | 1.72  | 1.39  | 2.45  | 1.59  | 1.21  | 1.17  |
|        | 1.86  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 7.87  | 2.10   | 1.31  | 4.09  | 1.76  | 1.80  | 0.08  | 0.01  | 0.00  | 0.00  | 0.05   | 0.08  | 0.00  | 0.60  | 0.00  | 0.00  | 0.81  | -2.25 |

|       |       |       |       |       |       |       |       |        |       |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH    | 31.51 | 24.54 | 21.84 | 25.43 | 27.11 | 34.05 | 42.89 | 51.20  | 35.39 | 30.32 | -53.87 | 26.81 | 22.33 | 22.04 | 21.61 | 21.52 | 21.76 | 21.20 | 30.42 | 28.87 | 55.05 | 27.96 | 21.12 | 19.41 |
| 61846 | 0.49  | 0.35  | 0.20  | -0.10 | -0.40 | -1.02 | -1.92 | -2.83  | -1.65 | -1.16 | -0.79  | -0.70 | -0.74 | -1.02 | -1.32 | -1.61 | -1.66 | -1.91 | -2.99 | -2.62 | -3.93 | -2.54 | -1.84 | -1.54 |
|       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.21 | -0.87 | 6.24   | 1.22  | 0.00  | 80.49  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -0.02 | 0.00  | -0.06 | 0.00  | 0.00  | -0.26 | -0.25 |
| PJM   | 32.89 | 25.53 | 22.85 | 26.83 | 28.79 | 36.17 | 43.79 | 76.44  | 37.88 | 31.19 | 28.49  | 28.75 | 24.05 | 24.00 | 23.81 | 23.85 | 24.21 | 23.80 | 33.55 | 32.56 | 60.68 | 31.21 | 24.94 | 22.22 |
| 61847 | 1.87  | 1.34  | 1.21  | 1.29  | 1.29  | 1.32  | 0.91  | 1.28   | 0.93  | 1.08  | 1.08   | 1.24  | 0.99  | 0.93  | 0.88  | 0.72  | 0.72  | 0.57  | 0.68  | 0.75  | 1.71  | 0.71  | 0.64  | 0.58  |
|       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 1.08  | -14.90 | 1.31  | 1.37  | 0.00   | 0.00  | 0.00  | -0.02 | 0.00  | 0.00  | -0.08 | -0.13 | 0.54  | -0.38 | 0.00  | 0.00  | -1.61 | -0.94 |
| WEST  | 32.53 | 25.32 | 22.53 | 26.23 | 27.98 | 34.98 | 44.81 | 70.05  | 37.97 | 31.47 | 27.61  | 27.77 | 23.09 | 22.77 | 22.30 | 22.17 | 22.40 | 21.82 | 31.32 | 29.75 | 56.81 | 28.81 | 21.65 | 19.83 |
| 61752 | 1.52  | 1.13  | 0.89  | 0.70  | 0.48  | 0.13  | -0.41 | -0.68  | -0.29 | -0.02 | 0.20   | 0.26  | 0.03  | -0.28 | -0.63 | -0.96 | -1.02 | -1.30 | -2.10 | -1.74 | -2.16 | -1.70 | -1.31 | -1.12 |
|       | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.27 | -10.46 | 0.00  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -0.02 | 0.00  | -0.06 | 0.00  | 0.00  | -0.26 | -0.25 |