

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

03/06/2019

| 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   | 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 | 34.51  | 34.41  | 30.43  | 28.37  | 34.71  | 49.91  | 57.88  | 58.92 | 54.88  | 81.25  | 50.19  | 35.77  | 29.30  | 36.29  | 39.43  | 24.72  | 29.47  | 33.52  | 35.72  | 44.35  | 51.41  | 45.11  | 39.44 | 39.28  |
| 61757  | 2.45   | 2.47   | 1.94   | 2.03   | 2.42   | 3.46   | 3.94   | 4.39  | 3.06   | 2.22   | 2.47   | 2.11   | 2.04   | 1.58   | 0.43   | 1.59   | 2.12   | 2.45   | 2.65   | 3.19   | 3.48   | 3.18   | 2.91  | 2.62   |
|        | 0.00   | 0.00   | -3.48  | 0.00   | 0.00   | -1.70  | -4.32  | 0.00  | -14.41 | -51.99 | -17.63 | -7.70  | -1.79  | -14.81 | -33.51 | -2.55  | 0.00   | 0.00   | 0.00   | 0.00   | -2.75  | 0.00   | 0.00  | -2.91  |
| CENTRL | 32.57  | 32.39  | 25.76  | 26.75  | 32.60  | 45.10  | 47.96  | 52.52 | 38.63  | 33.51  | 32.59  | 27.51  | 26.17  | 22.03  | 9.76   | 21.22  | 27.93  | 31.65  | 34.43  | 43.22  | 46.16  | 41.89  | 37.01 | 34.48  |
| 61754  | 0.52   | 0.45   | 0.32   | 0.41   | 0.31   | 0.11   | -0.04  | 0.22  | 0.33   | 0.28   | 0.41   | 0.34   | 0.31   | 0.28   | 0.08   | 0.32   | 0.41   | 0.45   | 0.53   | 0.64   | 0.54   | 0.50   | 0.48  | 0.36   |
|        | 0.00   | 0.00   | -0.43  | 0.00   | 0.00   | -0.25  | 1.62   | 2.22  | -0.90  | -6.19  | -2.09  | -1.20  | -0.39  | -1.85  | -4.18  | -0.32  | -0.17  | -0.14  | -0.83  | -1.42  | -0.45  | 0.54   | 0.00  | -0.36  |
| DUNWOD | 35.16  | 35.06  | 30.00  | 28.96  | 35.41  | 50.25  | 57.61  | 59.91 | 51.78  | 67.27  | 46.03  | 34.33  | 29.53  | 32.72  | 30.18  | 24.74  | 30.47  | 34.49  | 36.63  | 45.72  | 52.28  | 46.73  | 40.33 | 39.14  |
| 61760  | 3.11   | 3.11   | 2.48   | 2.61   | 3.12   | 4.28   | 4.88   | 5.39  | 4.03   | 2.93   | 3.29   | 2.83   | 2.78   | 2.18   | 0.62   | 2.33   | 3.12   | 3.42   | 3.56   | 4.56   | 5.12   | 4.80   | 3.80  | 3.29   |
|        | 0.00   | 0.00   | -2.51  | 0.00   | 0.00   | -1.22  | -3.10  | 0.00  | -10.34 | -37.30 | -12.65 | -5.53  | -1.29  | -10.64 | -24.07 | -1.83  | 0.00   | 0.00   | 0.00   | 0.00   | -1.98  | 0.00   | 0.00  | -2.10  |
| GENESE | 31.84  | 31.54  | 24.94  | 26.03  | 31.52  | 43.05  | 44.14  | 48.15 | 35.44  | 30.20  | 30.41  | 26.31  | 25.29  | 20.89  | 8.42   | 20.66  | 27.34  | 30.85  | 33.39  | 41.71  | 43.21  | 39.28  | 36.08 | 33.43  |
| 61753  | -0.22  | -0.40  | -0.38  | -0.31  | -0.77  | -1.84  | -2.30  | -2.11 | -1.25  | -0.70  | -0.65  | -0.52  | -0.46  | -0.32  | -0.06  | -0.14  | -0.14  | -0.33  | -0.38  | -0.57  | -1.30  | -1.16  | -0.45 | -0.58  |
|        | 0.00   | 0.00   | -0.31  | 0.00   | 0.00   | -0.15  | 3.19   | 4.26  | 0.72   | -3.86  | -0.98  | -0.86  | -0.28  | -1.32  | -2.98  | -0.23  | -0.13  | -0.12  | -0.69  | -1.12  | 0.67   | 1.49   | 0.00  | -0.26  |
| H Q    | 30.93  | 30.85  | 24.14  | 25.39  | 31.32  | 43.66  | 48.48  | 53.18 | 36.10  | 26.17  | 29.07  | 25.09  | 24.61  | 19.20  | 5.29   | 19.82  | 26.37  | 30.03  | 31.99  | 39.83  | 43.75  | 40.59  | 35.35 | 32.66  |
| 61844  | -1.12  | -1.09  | -0.86  | -0.96  | -0.97  | -1.09  | -1.15  | -1.35 | -1.12  | -0.87  | -1.02  | -0.88  | -0.86  | -0.69  | -0.21  | -0.76  | -0.98  | -1.03  | -1.08  | -1.33  | -1.42  | -1.34  | -1.19 | -1.09  |
|        | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 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   |
| HUD VL | 34.85  | 34.75  | 29.78  | 28.73  | 35.12  | 49.85  | 57.19  | 59.42 | 51.45  | 67.22  | 45.78  | 34.06  | 29.25  | 32.55  | 30.24  | 24.49  | 30.12  | 34.13  | 36.28  | 45.27  | 51.80  | 46.26  | 39.95 | 38.83  |
| 61758  | 2.80   | 2.81   | 2.25   | 2.39   | 2.83   | 3.87   | 4.44   | 4.89  | 3.63   | 2.63   | 2.96   | 2.54   | 2.49   | 1.95   | 0.55   | 2.07   | 2.77   | 3.06   | 3.21   | 4.11   | 4.63   | 4.32   | 3.42  | 2.97   |
|        | 0.00   | 0.00   | -2.52  | 0.00   | 0.00   | -1.23  | -3.12  | 0.00  | -10.41 | -37.55 | -12.73 | -5.56  | -1.30  | -10.70 | -24.19 | -1.84  | 0.00   | 0.00   | 0.00   | 0.00   | -1.99  | 0.00   | 0.00  | -2.11  |
| LONGIL | 36.50  | 36.42  | 31.12  | 30.17  | 36.97  | 52.55  | 59.94  | 62.24 | 53.11  | 68.18  | 47.04  | 35.11  | 30.33  | 33.42  | 30.42  | 25.54  | 31.64  | 35.89  | 37.91  | 47.15  | 53.70  | 48.09  | 41.60 | 40.34  |
| 61762  | 4.44   | 4.48   | 3.61   | 3.82   | 4.68   | 6.57   | 7.21   | 7.71  | 5.35   | 3.81   | 4.29   | 3.61   | 3.57   | 2.87   | 0.84   | 3.13   | 4.30   | 4.82   | 4.84   | 5.99   | 6.54   | 6.16   | 5.07  | 4.49   |
|        | -0.01  | 0.00   | -2.51  | 0.00   | 0.00   | -1.23  | -3.11  | 0.00  | -10.35 | -37.33 | -12.66 | -5.53  | -1.29  | -10.65 | -24.09 | -1.83  | 0.00   | 0.00   | 0.00   | 0.00   | -1.98  | 0.00   | 0.00  | -2.10  |
| MHK VL | 33.10  | 32.97  | 26.30  | 27.24  | 33.99  | 47.47  | 52.30  | 56.89 | 41.01  | 35.18  | 33.74  | 28.11  | 26.76  | 22.58  | 10.17  | 21.95  | 28.45  | 32.72  | 35.00  | 43.85  | 47.99  | 43.81  | 38.00 | 35.40  |
| 61756  | 1.04   | 1.02   | 0.81   | 0.89   | 1.18   | 1.69   | 2.08   | 2.37  | 1.65   | 1.11   | 1.21   | 0.99   | 0.97   | 0.75   | 0.20   | 0.74   | 1.01   | 1.25   | 1.43   | 1.80   | 1.93   | 1.76   | 1.47  | 1.25   |
|        | 0.00   | 0.00   | -0.48  | 0.00   | -0.52  | -1.04  | -0.60  | 0.00  | -1.96  | -7.03  | -2.45  | -1.15  | -0.33  | -1.93  | -4.48  | -0.63  | -0.09  | -0.41  | -0.50  | -0.89  | -0.88  | -0.12  | 0.00  | -0.40  |
| MILLWD | 35.08  | 34.97  | 29.97  | 28.91  | 35.35  | 50.19  | 57.59  | 59.83 | 51.81  | 67.67  | 46.09  | 34.31  | 29.46  | 32.78  | 30.45  | 24.69  | 30.37  | 34.39  | 36.55  | 45.64  | 52.21  | 46.63  | 40.25 | 39.09  |
| 61759  | 3.02   | 3.03   | 2.42   | 2.57   | 3.07   | 4.21   | 4.82   | 5.31  | 3.94   | 2.85   | 3.19   | 2.74   | 2.69   | 2.11   | 0.60   | 2.26   | 3.02   | 3.33   | 3.48   | 4.47   | 5.03   | 4.70   | 3.72  | 3.22   |
|        | 0.00   | 0.00   | -2.54  | 0.00   | 0.00   | -1.24  | -3.14  | 0.00  | -10.47 | -37.78 | -12.81 | -5.59  | -1.30  | -10.77 | -24.36 | -1.85  | 0.00   | 0.00   | 0.00   | 0.00   | -2.01  | 0.00   | 0.00  | -2.12  |
| N.Y.C. | 35.42  | 35.31  | 30.21  | 29.19  | 35.67  | 50.58  | 59.27  | 64.05 | 56.26  | 71.41  | 54.54  | 46.65  | 46.27  | 47.32  | 41.67  | 37.00  | 40.51  | 42.89  | 40.46  | 50.17  | 53.79  | 48.79  | 43.12 | 39.63  |
| 61761  | 3.36   | 3.37   | 2.69   | 2.84   | 3.38   | 4.61   | 5.25   | 5.81  | 4.38   | 3.18   | 3.54   | 3.05   | 3.01   | 2.36   | 0.67   | 2.52   | 3.37   | 3.68   | 3.79   | 4.87   | 5.49   | 5.17   | 4.12  | 3.59   |
|        | 0.00   | 0.00   | -2.51  | 0.00   | 0.00   | -1.22  | -4.39  | -3.72 | -14.48 | -41.19 | -20.90 | -17.63 | -17.80 | -25.06 | -35.51 | -13.90 | -9.79  | -8.15  | -3.60  | -4.13  | -3.12  | -1.69  | -2.46 | -2.29  |
| NORTH  | 30.18  | 30.19  | 23.65  | 24.72  | 26.48  | 36.61  | 47.86  | 52.83 | 36.15  | 26.03  | 28.87  | 24.85  | 24.30  | 18.84  | 4.35   | 16.85  | 25.62  | 26.76  | 31.47  | 39.45  | 43.44  | 40.33  | 35.20 | 32.53  |
| 61755  | -1.87  | -1.76  | -1.36  | -1.62  | -1.69  | -1.96  | -1.77  | -1.69 | -1.26  | -1.01  | -1.22  | -1.12  | -1.17  | -1.06  | -0.38  | -1.38  | -1.73  | -1.69  | -1.60  | -1.71  | -1.74  | -1.60  | -1.33 | -1.23  |
|        | 0.00   | 0.00   | 0.00   | 0.00   | 4.12   | 6.18   | 0.00   | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.75   | 2.35   | 0.00   | 2.62   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   |
| NPX    | 55.48  | 57.94  | 57.79  | 56.95  | 63.50  | 68.49  | 71.32  | 65.32 | 53.93  | 78.65  | 50.94  | 38.85  | 37.70  | 46.04  | 41.30  | 38.91  | 41.66  | 46.69  | 51.98  | 56.22  | 70.72  | 56.46  | 48.47 | 49.31  |
| 61845  | 2.59   | 2.59   | 2.05   | 2.15   | 2.55   | 3.57   | 3.95   | 4.33  | 3.07   | 2.29   | 2.59   | 2.23   | 2.15   | 1.67   | 0.46   | 1.65   | 2.16   | 2.40   | 2.52   | 3.03   | 3.36   | 3.16   | 2.96  | 2.69   |
|        | -20.84 | -23.41 | -30.73 | -28.45 | -28.65 | -20.18 | -17.74 | -6.47 | -13.46 | -49.32 | -18.25 | -10.65 | -10.08 | -24.48 | -35.35 | -16.68 | -12.15 | -13.23 | -16.39 | -12.03 | -22.18 | -11.36 | -8.98 | -12.87 |

|               |       |       |       |       |       |       |       |       |       |        |       |       |       |       |        |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 30.89 | 30.52 | 24.20 | 25.18 | 30.33 | 41.18 | 42.00 | 45.80 | 33.48 | 30.68  | 29.66 | 25.33 | 24.18 | 20.49 | 9.26   | 19.94 | 26.26 | 29.47 | 31.79 | 39.79 | 41.21 | 37.61 | 34.88 | 32.32 |
|               | -1.16 | -1.42 | -1.23 | -1.17 | -1.96 | -3.78 | -4.93 | -4.88 | -3.05 | -1.94  | -2.03 | -1.74 | -1.62 | -1.20 | -0.28  | -0.95 | -1.22 | -1.71 | -1.95 | -2.47 | -3.53 | -2.99 | -1.66 | -1.79 |
|               | 0.00  | 0.00  | -0.42 | 0.00  | 0.00  | -0.21 | 2.70  | 3.85  | 0.88  | -5.58  | -1.60 | -1.10 | -0.34 | -1.79 | -4.04  | -0.31 | -0.13 | -0.11 | -0.67 | -1.09 | 0.44  | 1.33  | 0.00  | -0.35 |
| PJM<br>61847  | 32.71 | 32.53 | 26.82 | 26.88 | 32.68 | 45.56 | 49.65 | 52.78 | 42.42 | 47.56  | 37.31 | 29.46 | 26.63 | 26.09 | 18.85  | 22.06 | 28.03 | 31.67 | 34.02 | 42.62 | 46.67 | 42.06 | 37.21 | 33.80 |
|               | 0.66  | 0.59  | 0.43  | 0.53  | 0.39  | 0.13  | -0.20 | 0.04  | 0.34  | 0.32   | 0.47  | 0.36  | 0.37  | 0.34  | 0.12   | 0.47  | 0.59  | 0.53  | 0.47  | 0.66  | 0.58  | 0.70  | 0.67  | 0.35  |
|               | 0.00  | 0.00  | -1.38 | 0.00  | 0.00  | -0.69 | -0.22 | 1.78  | -4.66 | -20.20 | -6.75 | -3.13 | -0.79 | -5.85 | -13.24 | -1.01 | -0.09 | -0.08 | -0.48 | -0.80 | -0.91 | 0.58  | 0.00  | 0.31  |
| WEST<br>61752 | 31.77 | 31.29 | 24.74 | 25.77 | 31.00 | 41.97 | 42.69 | 46.71 | 34.89 | 30.78  | 30.15 | 25.82 | 24.76 | 20.76 | 9.02   | 20.37 | 26.89 | 30.15 | 32.62 | 40.95 | 42.12 | 38.44 | 35.88 | 33.25 |
|               | -0.29 | -0.66 | -0.66 | -0.58 | -1.29 | -2.97 | -4.03 | -3.77 | -2.21 | -1.25  | -1.33 | -1.17 | -1.03 | -0.76 | -0.16  | -0.50 | -0.58 | -1.02 | -1.12 | -1.29 | -2.50 | -2.08 | -0.65 | -0.82 |
|               | 0.00  | 0.00  | -0.38 | 0.00  | 0.00  | -0.19 | 2.91  | 4.04  | 0.30  | -5.00  | -1.38 | -1.02 | -0.32 | -1.63 | -3.69  | -0.28 | -0.13 | -0.11 | -0.67 | -1.08 | 0.55  | 1.41  | 0.00  | -0.32 |