

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

01/25/2021

| 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 | 43.00  | 59.58  | 58.17  | 44.21  | 62.65  | 40.88  | 38.91  | 53.91  | 74.75  | 38.77  | 40.66  | 38.91  | 38.97  | 38.36  | 39.28  | 41.76  | 49.79  | 57.53  | 55.11  | 57.26  | 47.71  | 43.47  | 34.86 | 37.12  |
| 61757  | 1.76   | 0.74   | -0.18  | 0.77   | 0.68   | 1.20   | 1.62   | 3.88   | 6.12   | 2.98   | 3.10   | 2.71   | 2.60   | 2.93   | 2.65   | 2.49   | 2.23   | 3.01   | 1.75   | 1.40   | 1.78   | 1.58   | 2.18  | 1.80   |
|        | -20.91 | -50.00 | -60.48 | -34.07 | -53.60 | -25.45 | -19.46 | -7.71  | 0.00   | 0.00   | -0.46  | -4.59  | -6.00  | 0.00   | -5.47  | -8.87  | -22.06 | -21.00 | -33.58 | -39.86 | -25.59 | -23.03 | -6.50 | -13.19 |
| CENTRL | 23.10  | 15.09  | 5.19   | 13.60  | 14.99  | 17.46  | 20.42  | 43.88  | 69.57  | 36.19  | 37.48  | 32.36  | 31.25  | 35.57  | 31.92  | 31.60  | 28.45  | 36.41  | 24.93  | 21.04  | 23.65  | 21.78  | 27.04 | 23.81  |
| 61754  | 0.21   | 0.11   | -0.03  | 0.08   | 0.11   | 0.15   | 0.21   | 0.60   | 0.93   | 0.40   | 0.31   | 0.18   | 0.13   | 0.15   | 0.07   | 0.07   | 0.18   | 0.23   | 0.15   | 0.10   | 0.11   | 0.09   | 0.06  | 0.05   |
|        | -2.56  | -6.13  | -7.36  | -4.15  | -6.51  | -3.07  | -2.37  | -0.97  | 0.00   | 0.00   | -0.06  | -0.56  | -0.75  | 0.00   | -0.69  | -1.13  | -2.78  | -2.65  | -5.00  | -4.94  | -3.20  | -2.83  | -0.80 | -1.63  |
| DUNWOD | 37.37  | 46.24  | 42.14  | 35.08  | 48.36  | 34.03  | 33.55  | 51.99  | 75.18  | 39.29  | 41.14  | 37.98  | 37.82  | 39.04  | 38.37  | 40.04  | 44.27  | 52.34  | 46.44  | 46.87  | 41.13  | 37.58  | 33.42 | 33.70  |
| 61760  | 1.70   | 0.68   | -0.16  | 0.69   | 0.63   | 1.11   | 1.57   | 4.11   | 6.55   | 3.50   | 3.70   | 3.25   | 3.12   | 3.62   | 3.24   | 3.15   | 2.60   | 3.40   | 2.01   | 1.59   | 2.00   | 1.82   | 2.47  | 1.88   |
|        | -15.35 | -36.72 | -44.45 | -25.02 | -39.36 | -18.68 | -14.15 | -5.56  | 0.00   | 0.00   | -0.33  | -3.12  | -4.33  | 0.00   | -3.98  | -6.49  | -16.18 | -15.41 | -24.65 | -29.26 | -18.79 | -16.90 | -4.78 | -9.68  |
| GENESE | 21.97  | 13.48  | 3.64   | 12.43  | 13.36  | 16.45  | 19.36  | 42.36  | 67.76  | 35.32  | 36.64  | 31.36  | 30.26  | 34.42  | 30.63  | 30.25  | 26.82  | 34.50  | 23.24  | 19.26  | 22.13  | 20.45  | 25.94 | 22.66  |
| 61753  | -0.34  | -0.11  | 0.03   | -0.18  | -0.10  | -0.20  | -0.30  | -0.70  | -0.88  | -0.47  | -0.51  | -0.69  | -0.70  | -1.00  | -1.06  | -1.03  | -0.80  | -1.10  | -0.64  | -0.56  | -0.71  | -0.62  | -0.86 | -0.74  |
|        | -1.99  | -4.75  | -5.75  | -3.24  | -5.09  | -2.41  | -1.82  | -0.74  | 0.00   | 0.00   | -0.04  | -0.43  | -0.58  | 0.00   | -0.53  | -0.87  | -2.13  | -2.07  | -4.11  | -3.81  | -2.50  | -2.20  | -0.62 | -1.26  |
| H Q    | 19.75  | 8.59   | -2.08  | 9.12   | 8.13   | 13.84  | 17.36  | 41.12  | 66.78  | 34.83  | 36.10  | 31.59  | 29.59  | 34.57  | 30.41  | 29.67  | 24.87  | 32.71  | 19.29  | 15.62  | 19.86  | 18.40  | 25.59 | 23.83  |
| 61844  | -0.58  | -0.25  | 0.06   | -0.24  | -0.24  | -0.39  | -0.48  | -1.19  | -1.85  | -0.96  | -1.00  | -0.85  | -0.78  | -0.85  | -0.75  | -0.73  | -0.62  | -0.82  | -0.49  | -0.38  | -0.48  | -0.46  | -0.59 | -0.52  |
|        | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -0.82  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | -2.21  |
| HUD VL | 37.15  | 46.01  | 41.96  | 34.91  | 48.13  | 33.86  | 33.36  | 51.56  | 74.52  | 38.87  | 40.64  | 37.55  | 37.35  | 38.54  | 37.89  | 39.57  | 43.84  | 51.85  | 46.08  | 46.55  | 40.82  | 37.30  | 33.12 | 33.44  |
| 61758  | 1.54   | 0.62   | -0.15  | 0.64   | 0.58   | 1.03   | 1.44   | 3.71   | 5.90   | 3.08   | 3.21   | 2.80   | 2.67   | 3.12   | 2.79   | 2.73   | 2.27   | 3.01   | 1.78   | 1.42   | 1.78   | 1.63   | 2.19  | 1.67   |
|        | -15.28 | -36.55 | -44.25 | -24.91 | -39.18 | -18.60 | -14.09 | -5.53  | 0.00   | 0.00   | -0.33  | -3.14  | -4.31  | 0.00   | -3.95  | -6.44  | -16.07 | -15.32 | -24.52 | -29.12 | -18.69 | -16.81 | -4.75 | -9.63  |
| LONGIL | 47.81  | 57.78  | 42.11  | 35.18  | 48.46  | 48.77  | 33.74  | 54.26  | 144.36 | 55.91  | 71.47  | 75.14  | 75.51  | 65.25  | 82.11  | 75.54  | 62.19  | 68.25  | 66.33  | 51.62  | 54.10  | 37.76  | 35.80 | 33.95  |
| 61762  | 1.96   | 0.81   | -0.19  | 0.79   | 0.73   | 1.29   | 1.76   | 4.54   | 7.08   | 3.81   | 4.20   | 3.68   | 3.49   | 4.06   | 3.62   | 3.55   | 2.83   | 3.78   | 2.23   | 1.74   | 2.21   | 1.99   | 2.73  | 2.13   |
|        | -25.52 | -48.12 | -44.45 | -25.02 | -39.36 | -33.25 | -14.15 | -7.40  | -68.65 | -16.31 | -30.17 | -39.85 | -41.65 | -25.77 | -47.34 | -41.60 | -33.87 | -30.94 | -44.32 | -33.87 | -31.55 | -16.90 | -6.89 | -9.68  |
| MHK VL | 23.90  | 15.84  | 5.87   | 14.29  | 15.97  | 18.22  | 21.24  | 45.51  | 72.07  | 37.44  | 38.78  | 33.48  | 32.40  | 36.94  | 33.19  | 32.84  | 29.49  | 37.79  | 25.04  | 21.88  | 24.56  | 22.63  | 28.05 | 24.68  |
| 61756  | 0.76   | 0.33   | -0.08  | 0.35   | 0.33   | 0.59   | 0.82   | 2.14   | 3.43   | 1.66   | 1.62   | 1.31   | 1.28   | 1.52   | 1.33   | 1.28   | 1.14   | 1.56   | 0.92   | 0.73   | 0.89   | 0.77   | 1.01  | 0.79   |
|        | -2.81  | -6.67  | -8.09  | -4.57  | -7.27  | -3.40  | -2.59  | -1.06  | 0.00   | 0.00   | -0.06  | -0.56  | -0.75  | 0.00   | -0.71  | -1.17  | -2.85  | -2.70  | -4.33  | -5.14  | -3.33  | -2.99  | -0.86 | -1.76  |
| MILLWD | 37.56  | 46.72  | 42.75  | 35.41  | 48.88  | 34.27  | 33.73  | 52.01  | 75.11  | 39.26  | 41.08  | 37.96  | 37.81  | 38.96  | 38.33  | 40.04  | 44.40  | 52.47  | 46.70  | 47.21  | 41.32  | 37.77  | 33.44 | 33.78  |
| 61759  | 1.67   | 0.68   | -0.16  | 0.69   | 0.63   | 1.11   | 1.55   | 4.06   | 6.48   | 3.46   | 3.65   | 3.18   | 3.04   | 3.54   | 3.15   | 3.07   | 2.52   | 3.33   | 1.96   | 1.56   | 1.95   | 1.79   | 2.42  | 1.84   |
|        | -15.56 | -37.20 | -45.05 | -25.36 | -39.88 | -18.92 | -14.34 | -5.64  | 0.00   | 0.00   | -0.33  | -3.17  | -4.39  | 0.00   | -4.03  | -6.58  | -16.38 | -15.61 | -24.96 | -29.64 | -19.03 | -17.11 | -4.84 | -9.81  |
| N.Y.C. | 37.48  | 46.26  | 42.13  | 35.10  | 48.37  | 34.09  | 33.65  | 52.26  | 75.57  | 39.62  | 41.45  | 38.31  | 38.14  | 39.39  | 38.69  | 40.32  | 44.44  | 52.51  | 46.54  | 46.95  | 41.24  | 37.72  | 33.64 | 33.85  |
| 61761  | 1.80   | 0.71   | -0.17  | 0.72   | 0.65   | 1.18   | 1.67   | 4.38   | 6.97   | 3.83   | 4.03   | 3.57   | 3.43   | 3.96   | 3.55   | 3.43   | 2.79   | 3.58   | 2.12   | 1.68   | 2.11   | 1.96   | 2.68  | 2.03   |
|        | -15.35 | -36.71 | -44.44 | -25.02 | -39.36 | -18.67 | -14.14 | -5.56  | 0.03   | 0.00   | -0.32  | -3.12  | -4.34  | 0.00   | -3.98  | -6.49  | -16.16 | -15.41 | -24.65 | -29.26 | -18.78 | -16.90 | -4.78 | -9.68  |
| NORTH  | 19.79  | 8.60   | -2.08  | 9.16   | 8.14   | 13.84  | 17.37  | 41.17  | 66.99  | 35.13  | 36.52  | 31.16  | 30.04  | 35.21  | 30.98  | 30.24  | 25.35  | 33.34  | 19.64  | 15.91  | 20.23  | 18.72  | 26.03 | 21.96  |
| 61755  | -0.54  | -0.24  | 0.06   | -0.21  | -0.22  | -0.40  | -0.46  | -1.14  | -1.64  | -0.66  | -0.59  | -0.45  | -0.33  | -0.22  | -0.18  | -0.15  | -0.15  | -0.19  | -0.14  | -0.10  | -0.11  | -0.15  | -0.15 | -0.18  |
|        | 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    | 50.47  | 52.79  | 49.95  | 41.76  | 57.08  | 39.11  | 37.74  | 56.91  | 76.01  | 38.56  | 40.44  | 39.52  | 38.23  | 38.29  | 38.42  | 40.54  | 47.39  | 54.35  | 50.35  | 52.52  | 44.07  | 40.24  | 34.51 | 38.55  |
| 61845  | 1.57   | 0.65   | -0.16  | 0.67   | 0.60   | 1.04   | 1.38   | 3.39   | 5.35   | 2.77   | 2.95   | 2.61   | 2.52   | 2.86   | 2.57   | 2.49   | 2.07   | 2.71   | 1.59   | 1.28   | 1.64   | 1.51   | 2.06  | 1.64   |
|        | -28.57 | -43.30 | -52.25 | -31.72 | -48.12 | -23.83 | -18.52 | -11.20 | -2.03  | 0.00   | -0.39  | -5.30  | -5.34  | 0.00   | -4.70  | -7.65  | -19.82 | -18.11 | -28.98 | -35.23 | -22.08 | -19.87 | -6.27 | -14.77 |

|               |       |        |        |        |        |        |       |       |       |       |       |       |       |       |       |       |        |       |        |        |        |        |       |       |
|---------------|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|-------|-------|
| O H<br>61846  | 21.70 | 14.24  | 4.99   | 12.80  | 14.20  | 16.46  | 19.06 | 39.60 | 64.95 | 33.90 | 35.31 | 30.17 | 29.18 | 32.88 | 29.35 | 29.06 | 26.12  | 32.82 | 17.60  | 19.25  | 21.25  | 19.96  | 24.85 | 21.87 |
|               | -1.06 | -0.41  | 0.10   | -0.53  | -0.39  | -0.73  | -1.04 | -2.48 | -3.68 | -1.89 | -1.86 | -1.99 | -1.92 | -2.55 | -2.47 | -2.42 | -2.00  | -2.84 | -1.72  | -1.43  | -1.85  | -1.60  | -2.09 | -1.81 |
|               | -2.43 | -5.81  | -7.03  | -3.96  | -6.23  | -2.96  | -2.26 | 0.24  | 0.00  | 0.00  | -0.06 | -0.54 | -0.72 | 0.00  | -0.65 | -1.08 | -2.63  | -2.13 | 0.46   | -4.67  | -2.75  | -2.70  | -0.76 | -1.55 |
| PJM<br>61847  | 30.38 | 31.83  | 25.38  | 25.05  | 33.54  | 25.40  | 27.02 | 47.04 | 70.42 | 36.85 | 38.39 | 35.37 | 33.95 | 36.49 | 34.50 | 35.34 | 36.29  | 44.01 | 36.23  | 34.53  | 32.47  | 29.80  | 29.71 | 30.68 |
|               | 0.52  | 0.21   | -0.05  | 0.16   | 0.18   | 0.28   | 0.39  | 1.25  | 1.86  | 1.06  | 1.10  | 0.91  | 0.87  | 1.07  | 0.86  | 0.89  | 0.72   | 0.86  | 0.49   | 0.35   | 0.42   | 0.44   | 0.57  | 0.32  |
|               | -9.52 | -22.78 | -27.57 | -15.52 | -24.99 | -10.88 | -8.80 | -3.48 | 0.08  | 0.00  | -0.19 | -2.85 | -2.71 | 0.00  | -2.48 | -4.05 | -10.07 | -9.62 | -15.96 | -18.17 | -11.71 | -10.50 | -2.97 | -8.22 |
| WEST<br>61752 | 22.46 | 14.94  | 5.50   | 13.36  | 14.93  | 17.09  | 19.86 | 44.25 | 67.40 | 35.07 | 36.51 | 31.32 | 30.25 | 34.14 | 30.49 | 30.23 | 27.29  | 35.08 | 28.92  | 20.22  | 22.84  | 20.86  | 25.75 | 22.64 |
|               | -0.50 | -0.18  | 0.04   | -0.28  | -0.17  | -0.34  | -0.46 | -0.89 | -1.23 | -0.72 | -0.65 | -0.88 | -0.91 | -1.28 | -1.38 | -1.34 | -1.07  | -1.58 | -0.97  | -0.86  | -1.10  | -0.94  | -1.25 | -1.18 |
|               | -2.62 | -6.27  | -7.60  | -4.27  | -6.73  | -3.20  | -2.48 | -2.82 | 0.00  | 0.00  | -0.06 | -0.59 | -0.79 | 0.00  | -0.71 | -1.17 | -2.86  | -3.13 | -10.12 | -5.08  | -3.60  | -2.93  | -0.83 | -1.68 |