

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

07/01/2023

| 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 | 31.25 | 29.01 | 24.25 | 22.67 | 22.50 | 20.35 | 19.94 | 20.26 | 23.92 | 25.68 | 29.03  | 30.61 | 32.49 | 32.64 | 31.70 | 36.27 | 41.25 | 38.12 | 29.07 | 32.90 | 32.63 | 30.95 | 31.29 | 30.93 |
| 61757  | 1.70  | 1.60  | 1.26  | 1.16  | 1.18  | 1.07  | 1.05  | 1.09  | 1.33  | 1.39  | 1.37   | 1.52  | 1.43  | 1.54  | 1.55  | 1.88  | 2.27  | 2.12  | 1.76  | 1.93  | 1.92  | 1.80  | 1.77  | 1.57  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.38 | 0.00  | 0.00  | -2.58  | 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 | 30.48 | 28.11 | 23.23 | 21.66 | 21.42 | 19.32 | 18.88 | 18.05 | 22.81 | 24.79 | 25.67  | 30.14 | 32.17 | 32.49 | 31.26 | 35.64 | 40.75 | 37.64 | 27.87 | 32.32 | 31.88 | 30.22 | 30.32 | 30.11 |
| 61754  | 0.18  | 0.13  | 0.07  | 0.07  | 0.05  | 0.04  | -0.01 | 0.11  | 0.20  | 0.24  | 0.24   | 0.34  | 0.27  | 0.49  | 0.47  | 0.52  | 0.56  | 0.62  | 0.43  | 0.52  | 0.35  | 0.36  | 0.40  | 0.25  |
|        | -0.75 | -0.56 | -0.18 | -0.07 | -0.05 | 0.00  | 0.00  | -0.16 | 0.00  | -0.26 | -0.36  | -0.72 | -0.82 | -0.90 | -0.63 | -0.74 | -1.21 | -1.01 | -0.12 | -0.82 | -0.82 | -0.71 | -0.41 | -0.49 |
| DUNWOD | 31.33 | 29.02 | 24.26 | 22.72 | 22.54 | 20.38 | 20.02 | 20.09 | 24.14 | 25.98 | 38.73  | 31.09 | 33.10 | 33.37 | 32.44 | 37.00 | 41.84 | 38.68 | 29.40 | 33.14 | 32.83 | 31.12 | 31.48 | 31.16 |
| 61760  | 1.79  | 1.61  | 1.27  | 1.21  | 1.22  | 1.10  | 1.13  | 1.26  | 1.55  | 1.68  | 1.73   | 2.01  | 2.04  | 2.27  | 2.29  | 2.61  | 2.85  | 2.69  | 2.08  | 2.17  | 2.13  | 1.97  | 1.97  | 1.79  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.05 | 0.00  | 0.00  | -11.92 | 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 | 29.65 | 27.42 | 22.98 | 21.48 | 21.20 | 19.15 | 18.59 | 17.75 | 22.58 | 24.40 | 25.22  | 29.39 | 31.39 | 31.91 | 30.88 | 34.92 | 39.51 | 36.53 | 27.73 | 31.53 | 31.11 | 29.47 | 29.85 | 29.58 |
| 61753  | 0.11  | 0.00  | 0.00  | -0.02 | -0.12 | -0.13 | -0.29 | -0.16 | -0.02 | 0.11  | 0.14   | 0.31  | 0.32  | 0.81  | 0.72  | 0.54  | 0.53  | 0.53  | 0.41  | 0.56  | 0.41  | 0.31  | 0.33  | 0.21  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.12 | 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    | 28.62 | 27.19 | 22.85 | 21.36 | 21.17 | 19.14 | 18.79 | 17.55 | 22.32 | 23.98 | 24.76  | 28.72 | 30.81 | 30.64 | 29.71 | 33.87 | 38.42 | 35.41 | 26.86 | 30.50 | 30.31 | 28.79 | 29.16 | 29.17 |
| 61844  | -0.25 | -0.22 | -0.13 | -0.15 | -0.15 | -0.14 | -0.10 | -0.23 | -0.27 | -0.32 | -0.32  | -0.36 | -0.25 | -0.46 | -0.45 | -0.52 | -0.57 | -0.60 | -0.46 | -0.47 | -0.40 | -0.37 | -0.35 | -0.19 |
|        | 0.67  | 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  |
| HUD VL | 31.11 | 28.84 | 24.11 | 22.58 | 22.41 | 20.27 | 19.88 | 19.91 | 23.93 | 25.73 | 20.78  | 30.79 | 32.81 | 33.08 | 32.14 | 36.68 | 41.52 | 38.42 | 29.21 | 32.94 | 32.62 | 30.92 | 31.26 | 30.94 |
| 61758  | 1.56  | 1.42  | 1.12  | 1.07  | 1.10  | 0.99  | 0.99  | 1.10  | 1.34  | 1.44  | 1.48   | 1.71  | 1.74  | 1.98  | 1.99  | 2.29  | 2.53  | 2.42  | 1.89  | 1.98  | 1.91  | 1.76  | 1.74  | 1.58  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.02 | 0.00  | 0.00  | 5.77   | 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 | 32.21 | 29.82 | 24.93 | 23.36 | 23.18 | 20.91 | 20.57 | 20.65 | 24.83 | 26.64 | 41.73  | 32.07 | 34.02 | 35.08 | 34.02 | 38.43 | 46.83 | 40.50 | 32.17 | 37.79 | 39.74 | 32.31 | 32.44 | 35.51 |
| 61762  | 2.67  | 2.41  | 1.94  | 1.85  | 1.86  | 1.63  | 1.68  | 1.82  | 2.23  | 2.35  | 2.55   | 2.87  | 2.95  | 3.23  | 3.13  | 3.55  | 4.00  | 3.73  | 2.92  | 3.05  | 3.15  | 2.88  | 2.86  | 2.79  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.05 | 0.00  | 0.00  | -14.10 | -0.11 | 0.00  | -0.75 | -0.73 | -0.49 | -3.85 | -0.77 | -1.92 | -3.77 | -5.89 | -0.28 | -0.07 | -3.36 |
| MHK VL | 30.67 | 28.29 | 23.46 | 21.89 | 21.70 | 19.58 | 19.19 | 18.33 | 23.14 | 25.08 | 25.97  | 30.28 | 32.43 | 32.57 | 31.49 | 35.96 | 40.97 | 37.98 | 28.41 | 32.57 | 32.38 | 30.66 | 30.81 | 30.52 |
| 61756  | 0.67  | 0.53  | 0.36  | 0.34  | 0.35  | 0.30  | 0.30  | 0.36  | 0.55  | 0.64  | 0.68   | 0.84  | 0.90  | 0.99  | 1.00  | 1.20  | 1.37  | 1.43  | 1.02  | 1.16  | 1.20  | 1.12  | 1.05  | 0.86  |
|        | -0.46 | -0.35 | -0.11 | -0.05 | -0.03 | 0.00  | 0.00  | -0.19 | 0.00  | -0.15 | -0.21  | -0.36 | -0.46 | -0.47 | -0.33 | -0.37 | -0.62 | -0.55 | -0.07 | -0.45 | -0.47 | -0.39 | -0.24 | -0.29 |
| MILLWD | 31.20 | 28.92 | 24.17 | 22.64 | 22.47 | 20.31 | 19.94 | 20.02 | 24.04 | 25.87 | 35.98  | 30.97 | 32.98 | 33.27 | 32.32 | 36.86 | 41.71 | 38.57 | 29.30 | 33.04 | 32.73 | 31.01 | 31.36 | 31.03 |
| 61759  | 1.66  | 1.50  | 1.19  | 1.13  | 1.15  | 1.04  | 1.05  | 1.19  | 1.45  | 1.58  | 1.62   | 1.88  | 1.91  | 2.16  | 2.17  | 2.48  | 2.73  | 2.57  | 1.99  | 2.08  | 2.02  | 1.86  | 1.85  | 1.67  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.05 | 0.00  | 0.00  | -9.28  | 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. | 31.47 | 29.14 | 24.36 | 22.81 | 22.63 | 20.47 | 20.10 | 20.20 | 24.26 | 26.10 | 38.36  | 31.24 | 33.26 | 33.53 | 32.60 | 37.12 | 41.96 | 38.80 | 29.50 | 33.25 | 32.95 | 31.26 | 31.63 | 31.28 |
| 61761  | 1.93  | 1.73  | 1.37  | 1.30  | 1.31  | 1.19  | 1.21  | 1.37  | 1.66  | 1.80  | 1.85   | 2.16  | 2.19  | 2.42  | 2.44  | 2.73  | 2.98  | 2.80  | 2.18  | 2.28  | 2.24  | 2.11  | 2.11  | 1.91  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.05 | 0.00  | 0.00  | -11.44 | 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  |
| NORTH  | 29.52 | 27.31 | 22.90 | 21.37 | 21.18 | 19.14 | 18.84 | 17.58 | 22.39 | 24.05 | 24.90  | 28.88 | 31.01 | 30.88 | 29.87 | 34.16 | 38.84 | 35.68 | 27.05 | 30.85 | 30.63 | 28.98 | 29.41 | 29.49 |
| 61755  | -0.02 | -0.10 | -0.08 | -0.14 | -0.14 | -0.13 | -0.05 | -0.20 | -0.20 | -0.24 | -0.18  | -0.20 | -0.05 | -0.22 | -0.28 | -0.23 | -0.14 | -0.32 | -0.27 | -0.12 | -0.07 | -0.17 | -0.11 | 0.12  |
|        | 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    | 30.65 | 34.18 | 26.84 | 25.41 | 24.79 | 24.35 | 23.81 | 20.01 | 23.83 | 25.55 | 30.43  | 30.40 | 32.26 | 32.45 | 31.37 | 35.88 | 40.71 | 37.27 | 28.70 | 32.42 | 32.13 | 30.52 | 30.90 | 30.36 |
| 61845  | 1.39  | 1.32  | 1.09  | 1.05  | 1.07  | 0.96  | 0.95  | 1.02  | 1.20  | 1.25  | 1.21   | 1.32  | 1.19  | 1.34  | 1.27  | 1.49  | 1.73  | 1.64  | 1.38  | 1.45  | 1.42  | 1.36  | 1.36  | 1.19  |
|        | 0.29  | -5.45 | -2.76 | -2.85 | -2.41 | -4.11 | -3.97 | -1.21 | -0.04 | 0.00  | -4.15  | 0.00  | 0.00  | 0.00  | 0.06  | 0.00  | 0.00  | 0.36  | 0.00  | 0.00  | 0.00  | -0.03 | 0.00  | 0.20  |

|               |                        |                        |                        |                        |                        |                        |                         |                         |                        |                        |                        |                        |                        |                       |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |
|---------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| O H<br>61846  | 28.77<br>-0.30<br>0.47 | 27.07<br>-0.35<br>0.00 | 22.76<br>-0.22<br>0.00 | 21.29<br>-0.22<br>0.00 | 20.96<br>-0.35<br>0.00 | 18.91<br>-0.37<br>0.00 | 19.50<br>-0.60<br>-1.22 | 17.47<br>-0.46<br>-0.15 | 22.21<br>-0.39<br>0.00 | 24.02<br>-0.28<br>0.00 | 24.78<br>-0.29<br>0.00 | 28.82<br>-0.26<br>0.00 | 30.66<br>-0.41<br>0.00 | 31.18<br>0.08<br>0.00 | 30.14<br>-0.02<br>0.00 | 34.14<br>-0.25<br>0.00 | 38.49<br>-0.50<br>0.00 | 35.56<br>-0.44<br>0.00 | 27.03<br>-0.29<br>0.00 | 30.82<br>-0.14<br>0.00 | 30.33<br>-0.37<br>0.00 | 28.70<br>-0.45<br>0.00 | 29.21<br>-0.31<br>0.00 | 29.01<br>-0.35<br>0.00 |
| PJM<br>61847  | 29.49<br>0.61<br>0.67  | 27.94<br>0.53<br>0.00  | 23.37<br>0.39<br>0.00  | 21.91<br>0.40<br>0.00  | 21.73<br>0.41<br>0.00  | 19.62<br>0.34<br>0.00  | 19.21<br>0.32<br>0.00   | 18.89<br>0.47<br>-0.63  | 23.23<br>0.63<br>0.00  | 24.99<br>0.69<br>0.00  | 7.99<br>0.68<br>17.76  | 29.89<br>0.80<br>0.00  | 31.79<br>0.72<br>0.00  | 32.14<br>1.04<br>0.00 | 31.15<br>0.99<br>0.00  | 35.50<br>1.11<br>0.00  | 40.07<br>1.08<br>0.00  | 37.08<br>1.08<br>0.00  | 26.52<br>0.80<br>1.60  | 31.89<br>0.92<br>0.00  | 31.45<br>0.74<br>0.00  | 29.81<br>0.66<br>0.00  | 30.30<br>0.78<br>0.00  | 30.01<br>0.65<br>0.00  |
| WEST<br>61752 | 29.78<br>0.24<br>0.00  | 27.53<br>0.12<br>0.00  | 23.11<br>0.13<br>0.00  | 21.63<br>0.11<br>0.00  | 21.31<br>-0.01<br>0.00 | 19.23<br>-0.05<br>0.00 | 18.62<br>-0.27<br>0.00  | 17.82<br>-0.13<br>-0.16 | 22.68<br>0.09<br>0.00  | 24.54<br>0.24<br>0.00  | 25.38<br>0.31<br>0.00  | 29.55<br>0.46<br>0.00  | 31.47<br>0.40<br>0.00  | 32.00<br>0.89<br>0.00 | 30.94<br>0.78<br>0.00  | 35.05<br>0.66<br>0.00  | 39.51<br>0.52<br>0.00  | 36.56<br>0.56<br>0.00  | 27.76<br>0.44<br>0.00  | 31.64<br>0.67<br>0.00  | 31.09<br>0.39<br>0.00  | 29.44<br>0.28<br>0.00  | 29.92<br>0.41<br>0.00  | 29.68<br>0.32<br>0.00  |