

Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Zonal Data

09/25/2023

|        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |       |       |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 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 | 18.36 | 16.42 | 14.61 | 14.09 | 14.97 | 18.01 | 23.74 | 26.57 | 28.32 | 28.14 | 27.07 | 26.61 | 25.40 | 25.21 | 25.44 | 26.53 | 30.15 | 33.94 | 37.39  | 37.20 | 30.54 | 27.60 | 22.65 | 20.82 |
| 61757  | 0.87  | 0.74  | 0.68  | 0.63  | 0.73  | 0.91  | 1.22  | 1.30  | 1.24  | 1.21  | 1.36  | 1.36  | 1.12  | 1.14  | 1.15  | 1.28  | 1.20  | 1.29  | 1.25   | 1.49  | 1.41  | 1.17  | 1.10  | 0.80  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.22 | -3.21 | -3.22 | 0.00  | 0.00  | -1.33 | -1.18 | -1.19 | -0.23 | -4.54 | -7.76 | -11.55 | -7.01 | -2.98 | -3.91 | 0.00  | 0.00  |
| CENTRL | 17.76 | 15.98 | 14.17 | 13.72 | 14.54 | 17.46 | 22.93 | 24.45 | 24.50 | 24.34 | 26.15 | 25.63 | 23.32 | 23.27 | 23.48 | 25.40 | 25.25 | 26.13 | 26.35  | 29.94 | 26.88 | 23.28 | 21.92 | 20.40 |
| 61754  | 0.28  | 0.30  | 0.24  | 0.26  | 0.30  | 0.36  | 0.41  | 0.24  | 0.21  | 0.21  | 0.44  | 0.38  | 0.21  | 0.23  | 0.23  | 0.35  | 0.24  | 0.25  | 0.27   | 0.35  | 0.34  | 0.25  | 0.37  | 0.38  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.16 | -0.41 | -0.41 | 0.00  | 0.00  | -0.17 | -0.15 | -0.15 | -0.03 | -0.58 | -1.00 | -1.49  | -0.90 | -0.38 | -0.50 | 0.00  | 0.00  |
| DUNWOD | 18.62 | 16.65 | 14.79 | 14.24 | 15.06 | 18.08 | 23.90 | 26.72 | 28.17 | 28.07 | 27.64 | 27.22 | 25.78 | 25.58 | 25.83 | 27.18 | 29.83 | 32.84 | 35.48  | 36.31 | 30.28 | 27.18 | 23.08 | 21.20 |
| 61760  | 1.14  | 0.97  | 0.86  | 0.78  | 0.81  | 0.97  | 1.37  | 1.71  | 1.77  | 1.83  | 1.93  | 1.97  | 1.79  | 1.76  | 1.80  | 1.98  | 1.83  | 1.84  | 1.79   | 2.09  | 1.78  | 1.58  | 1.53  | 1.18  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.96 | -2.53 | -2.53 | 0.00  | 0.00  | -1.05 | -0.93 | -0.93 | -0.18 | -3.57 | -6.11 | -9.10  | -5.53 | -2.34 | -3.08 | 0.00  | 0.00  |
| GENESE | 17.45 | 15.73 | 13.93 | 13.54 | 14.35 | 17.17 | 22.50 | 24.09 | 24.10 | 23.94 | 25.66 | 25.10 | 23.00 | 23.00 | 23.28 | 25.07 | 24.97 | 25.77 | 25.75  | 29.47 | 26.59 | 22.87 | 21.38 | 20.06 |
| 61753  | -0.03 | 0.05  | 0.00  | 0.08  | 0.10  | 0.07  | -0.02 | -0.07 | -0.07 | -0.07 | -0.05 | -0.15 | -0.07 | 0.00  | 0.07  | 0.03  | 0.12  | 0.15  | 0.07   | 0.12  | 0.16  | -0.02 | -0.17 | 0.04  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.11 | -0.30 | -0.30 | 0.00  | 0.00  | -0.13 | -0.11 | -0.11 | -0.02 | -0.43 | -0.73 | -1.09  | -0.66 | -0.28 | -0.37 | 0.00  | 0.00  |
| H Q    | 17.22 | 15.45 | 13.73 | 13.27 | 14.05 | 16.86 | 22.21 | 23.74 | 23.56 | 23.40 | 25.35 | 24.87 | 22.62 | 22.55 | 22.75 | 24.62 | 24.08 | 24.54 | 24.27  | 28.29 | 25.79 | 22.23 | 21.25 | 19.82 |
| 61844  | -0.26 | -0.23 | -0.20 | -0.19 | -0.20 | -0.24 | -0.32 | -0.31 | -0.31 | -0.31 | -0.36 | -0.38 | -0.32 | -0.34 | -0.35 | -0.40 | -0.34 | -0.35 | -0.32  | -0.40 | -0.37 | -0.29 | -0.30 | -0.20 |
|        | 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  |
| HUD VL | 18.43 | 16.48 | 14.64 | 14.12 | 14.91 | 17.89 | 23.63 | 26.27 | 27.64 | 27.52 | 27.17 | 26.74 | 25.31 | 25.09 | 25.36 | 26.72 | 29.22 | 32.15 | 34.71  | 35.61 | 29.82 | 26.67 | 22.74 | 20.94 |
| 61758  | 0.94  | 0.80  | 0.71  | 0.66  | 0.67  | 0.79  | 1.10  | 1.30  | 1.34  | 1.37  | 1.46  | 1.49  | 1.35  | 1.30  | 1.36  | 1.53  | 1.37  | 1.39  | 1.38   | 1.61  | 1.41  | 1.19  | 1.18  | 0.92  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.92 | -2.43 | -2.43 | 0.00  | 0.00  | -1.01 | -0.89 | -0.90 | -0.17 | -3.43 | -5.87 | -8.74  | -5.31 | -2.25 | -2.96 | 0.00  | 0.00  |
| LONGIL | 19.18 | 17.12 | 15.18 | 14.58 | 15.43 | 18.68 | 24.49 | 27.44 | 29.00 | 28.85 | 28.37 | 28.76 | 27.29 | 27.56 | 28.01 | 29.24 | 30.56 | 33.65 | 37.47  | 38.64 | 31.15 | 28.05 | 23.82 | 21.89 |
| 61762  | 1.70  | 1.44  | 1.25  | 1.12  | 1.18  | 1.57  | 1.96  | 2.43  | 2.58  | 2.58  | 2.65  | 2.68  | 2.43  | 2.43  | 2.45  | 2.73  | 2.54  | 2.61  | 2.53   | 2.98  | 2.62  | 2.23  | 2.26  | 1.86  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | 0.00  | -0.96 | -2.55 | -2.55 | -0.02 | -0.83 | -1.92 | -2.25 | -2.47 | -1.49 | -3.60 | -6.15 | -10.34 | -6.96 | -2.38 | -3.29 | -0.01 | -0.01 |
| MHK VL | 18.04 | 16.20 | 14.37 | 13.88 | 14.69 | 17.68 | 23.29 | 25.13 | 25.31 | 25.10 | 26.66 | 26.13 | 23.92 | 23.81 | 24.05 | 25.94 | 26.04 | 27.13 | 27.56  | 31.05 | 27.63 | 24.02 | 22.31 | 20.68 |
| 61756  | 0.56  | 0.52  | 0.45  | 0.42  | 0.44  | 0.58  | 0.77  | 0.86  | 0.86  | 0.81  | 0.95  | 0.88  | 0.73  | 0.71  | 0.74  | 0.88  | 0.80  | 0.85  | 0.88   | 1.09  | 0.94  | 0.79  | 0.75  | 0.66  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.22 | -0.58 | -0.58 | 0.00  | 0.00  | -0.24 | -0.21 | -0.21 | -0.04 | -0.82 | -1.40 | -2.08  | -1.26 | -0.54 | -0.70 | 0.00  | 0.00  |
| MILLWD | 18.55 | 16.58 | 14.72 | 14.19 | 14.97 | 17.96 | 23.77 | 26.58 | 28.07 | 27.95 | 27.51 | 27.04 | 25.66 | 25.40 | 25.65 | 27.01 | 29.69 | 32.77 | 35.44  | 36.22 | 30.20 | 27.07 | 22.95 | 21.08 |
| 61759  | 1.07  | 0.89  | 0.79  | 0.73  | 0.73  | 0.85  | 1.24  | 1.56  | 1.65  | 1.68  | 1.80  | 1.79  | 1.65  | 1.58  | 1.62  | 1.80  | 1.66  | 1.72  | 1.67   | 1.95  | 1.68  | 1.44  | 1.40  | 1.06  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.97 | -2.55 | -2.56 | 0.00  | 0.00  | -1.06 | -0.94 | -0.94 | -0.18 | -3.60 | -6.16 | -9.17  | -5.57 | -2.36 | -3.10 | 0.00  | 0.00  |
| N.Y.C. | 18.73 | 16.74 | 14.87 | 14.31 | 15.12 | 18.17 | 24.02 | 26.87 | 28.34 | 28.82 | 27.79 | 27.41 | 26.39 | 26.24 | 26.38 | 27.65 | 30.01 | 32.96 | 35.57  | 36.41 | 30.28 | 27.32 | 23.24 | 21.32 |
| 61761  | 1.24  | 1.05  | 0.93  | 0.85  | 0.87  | 1.06  | 1.49  | 1.85  | 1.93  | 1.99  | 2.08  | 2.14  | 2.00  | 1.97  | 1.96  | 2.15  | 2.00  | 1.94  | 1.87   | 2.18  | 1.78  | 1.71  | 1.68  | 1.30  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.96 | -2.54 | -3.11 | 0.00  | -0.02 | -1.45 | -1.38 | -1.32 | -0.48 | -3.58 | -6.13 | -9.11  | -5.53 | -2.35 | -3.09 | 0.00  | 0.00  |
| NORTH  | 17.26 | 15.51 | 13.80 | 13.34 | 14.12 | 16.95 | 22.37 | 23.86 | 23.80 | 23.62 | 25.56 | 25.00 | 22.71 | 22.62 | 22.77 | 24.62 | 24.22 | 24.74 | 24.50  | 28.52 | 26.00 | 22.46 | 21.42 | 19.92 |
| 61755  | -0.23 | -0.17 | -0.13 | -0.12 | -0.13 | -0.15 | -0.16 | -0.19 | -0.07 | -0.09 | -0.15 | -0.25 | -0.23 | -0.27 | -0.32 | -0.40 | -0.20 | -0.15 | -0.10  | -0.17 | -0.16 | -0.07 | -0.13 | -0.10 |
|        | 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    | 18.24 | 16.31 | 14.50 | 14.00 | 14.80 | 17.75 | 23.40 | 26.26 | 27.88 | 27.71 | 26.87 | 26.46 | 25.23 | 25.03 | 25.26 | 26.43 | 29.70 | 33.13 | 36.25  | 36.42 | 30.08 | 27.12 | 22.54 | 20.70 |
| 61845  | 0.75  | 0.63  | 0.57  | 0.54  | 0.56  | 0.65  | 0.88  | 1.11  | 1.10  | 1.09  | 1.16  | 1.21  | 1.08  | 1.08  | 1.09  | 1.20  | 1.17  | 1.22  | 1.20   | 1.38  | 1.23  | 1.06  | 0.99  | 0.68  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.10 | -2.91 | -2.91 | 0.00  | 0.00  | -1.21 | -1.07 | -1.07 | -0.21 | -4.11 | -7.03 | -10.46 | -6.35 | -2.69 | -3.54 | 0.00  | 0.00  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| O H<br>61846  | 17.42 | 15.75 | 13.94 | 13.61 | 14.42 | 17.21 | 22.28 | 23.30 | 23.35 | 23.27 | 25.25 | 24.72 | 22.45 | 22.41 | 22.68 | 24.60 | 24.21 | 25.05 | 25.05 | 28.40 | 25.68 | 22.16 | 20.97 | 20.00 |
|               | -0.07 | 0.06  | 0.01  | 0.15  | 0.17  | 0.10  | -0.25 | -0.89 | -0.88 | -0.81 | -0.46 | -0.53 | -0.64 | -0.62 | -0.55 | -0.45 | -0.73 | -0.72 | -0.86 | -1.09 | -0.81 | -0.81 | -0.58 | -0.02 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.14 | -0.37 | -0.37 | 0.00  | 0.00  | -0.15 | -0.13 | -0.14 | -0.03 | -0.52 | -0.88 | -1.32 | -0.80 | -0.34 | -0.44 | 0.00  | 0.00  |
| PJM<br>61847  | 18.04 | 16.23 | 14.39 | 13.93 | 14.74 | 17.65 | 23.11 | 24.93 | 25.70 | 25.61 | 26.53 | 26.08 | 24.05 | 23.92 | 24.18 | 25.95 | 26.97 | 28.95 | 30.36 | 32.36 | 27.96 | 24.64 | 22.15 | 20.62 |
|               | 0.56  | 0.55  | 0.46  | 0.47  | 0.50  | 0.55  | 0.58  | 0.31  | 0.33  | 0.40  | 0.82  | 0.83  | 0.48  | 0.48  | 0.53  | 0.82  | 0.44  | 0.45  | 0.39  | 0.40  | 0.42  | 0.29  | 0.60  | 0.60  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.57 | -1.50 | -1.50 | 0.00  | 0.00  | -0.62 | -0.55 | -0.55 | -0.11 | -2.11 | -3.61 | -5.38 | -3.27 | -1.39 | -1.82 | 0.00  | 0.00  |
| WEST<br>61752 | 17.83 | 16.17 | 14.29 | 13.94 | 14.79 | 17.65 | 22.89 | 23.57 | 23.67 | 23.63 | 26.10 | 25.58 | 22.76 | 22.71 | 22.99 | 25.30 | 24.56 | 25.44 | 25.51 | 28.86 | 26.05 | 22.44 | 21.59 | 20.50 |
|               | 0.35  | 0.49  | 0.36  | 0.48  | 0.54  | 0.55  | 0.36  | -0.63 | -0.60 | -0.47 | 0.39  | 0.33  | -0.34 | -0.32 | -0.25 | 0.25  | -0.42 | -0.40 | -0.49 | -0.69 | -0.47 | -0.56 | 0.04  | 0.48  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.15 | -0.39 | -0.39 | 0.00  | 0.00  | -0.16 | -0.14 | -0.14 | -0.03 | -0.55 | -0.95 | -1.41 | -0.86 | -0.36 | -0.48 | 0.00  | 0.00  |