

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

12/25/2012

| 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 | 35.61 | 32.35 | 30.22 | 28.37 | 28.51 | 29.37 | 30.02 | 32.51 | 36.07 | 38.31 | 39.94 | 39.58 | 37.48 | 33.91 | 33.20 | 33.37 | 40.69 | 51.74  | 49.90  | 47.24  | 44.45 | 39.24 | 34.97 | 32.53 |
| 61757  | 2.67  | 2.17  | 2.03  | 1.81  | 1.86  | 1.87  | 1.86  | 2.27  | 2.40  | 2.37  | 2.37  | 2.36  | 2.34  | 2.37  | 2.26  | 2.30  | 2.46  | 2.92   | 2.81   | 2.62   | 2.56  | 2.63  | 2.50  | 2.07  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.57 | -4.68 | -6.31 | -5.77 | -4.02 | 0.00  | 0.00  | 0.00  | -5.45 | -11.44 | -11.45 | -10.53 | -8.15 | -2.98 | 0.00  | 0.00  |
| CENTRL | 33.01 | 30.14 | 28.16 | 26.56 | 26.62 | 27.55 | 28.19 | 30.39 | 31.39 | 31.79 | 31.99 | 32.02 | 31.40 | 31.32 | 30.88 | 31.01 | 33.47 | 38.88  | 37.17  | 35.43  | 34.73 | 34.00 | 32.40 | 30.52 |
| 61754  | 0.07  | -0.03 | -0.03 | 0.00  | -0.03 | 0.06  | 0.03  | 0.15  | -0.03 | -0.03 | -0.03 | -0.13 | -0.22 | -0.22 | -0.06 | -0.06 | 0.03  | 0.11   | 0.14   | 0.07   | 0.00  | 0.00  | -0.06 | 0.06  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.31 | -0.57 | -0.77 | -0.70 | -0.49 | 0.00  | 0.00  | 0.00  | -0.66 | -1.39  | -1.39  | -1.28  | -0.99 | -0.36 | 0.00  | 0.00  |
| DUNWOD | 35.67 | 32.29 | 30.16 | 28.34 | 28.46 | 29.39 | 30.44 | 32.96 | 36.01 | 37.84 | 39.05 | 38.82 | 37.07 | 34.51 | 33.69 | 33.96 | 40.29 | 49.99  | 48.00  | 45.59  | 43.47 | 39.33 | 35.49 | 32.90 |
| 61760  | 2.73  | 2.11  | 1.97  | 1.78  | 1.81  | 1.90  | 2.28  | 2.72  | 2.96  | 3.03  | 3.00  | 2.99  | 2.90  | 2.96  | 2.75  | 2.89  | 3.38  | 3.92   | 3.67   | 3.51   | 3.54  | 3.43  | 3.02  | 2.44  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.95 | -3.55 | -4.79 | -4.38 | -3.05 | 0.00  | 0.00  | 0.00  | -4.13 | -8.69  | -8.69  | -7.99  | -6.18 | -2.26 | 0.00  | 0.00  |
| GENESE | 32.58 | 29.87 | 27.85 | 26.30 | 26.33 | 27.33 | 27.71 | 29.97 | 30.60 | 31.01 | 31.16 | 31.12 | 30.51 | 30.53 | 30.29 | 30.36 | 32.71 | 37.83  | 36.15  | 34.46  | 33.84 | 33.24 | 31.75 | 30.15 |
| 61753  | -0.36 | -0.30 | -0.34 | -0.27 | -0.32 | -0.16 | -0.45 | -0.27 | -0.75 | -0.69 | -0.69 | -0.88 | -1.00 | -1.01 | -0.65 | -0.71 | -0.59 | -0.64  | -0.57  | -0.61  | -0.67 | -0.67 | -0.71 | -0.30 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.24 | -0.44 | -0.60 | -0.55 | -0.38 | 0.00  | 0.00  | 0.00  | -0.51 | -1.08  | -1.08  | -0.99  | -0.77 | -0.28 | 0.00  | 0.00  |
| H Q    | 32.25 | 29.72 | 27.77 | 26.16 | 26.24 | 27.08 | 27.71 | 29.52 | 30.36 | 30.50 | 30.50 | 30.76 | 30.50 | 30.91 | 30.29 | 30.39 | 31.93 | 36.37  | 34.68  | 33.16  | 32.87 | 32.76 | 31.72 | 29.91 |
| 61844  | -0.69 | -0.45 | -0.42 | -0.40 | -0.40 | -0.41 | -0.45 | -0.73 | -0.75 | -0.75 | -0.75 | -0.69 | -0.62 | -0.63 | -0.65 | -0.68 | -0.85 | -1.01  | -0.96  | -0.92  | -0.88 | -0.87 | -0.75 | -0.55 |
|        | 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 | 35.74 | 32.41 | 30.25 | 28.45 | 28.56 | 29.50 | 30.47 | 32.93 | 35.99 | 37.77 | 39.00 | 38.74 | 37.00 | 34.44 | 33.69 | 33.93 | 40.22 | 49.87  | 47.87  | 45.47  | 43.34 | 39.24 | 35.49 | 32.90 |
| 61758  | 2.80  | 2.23  | 2.06  | 1.89  | 1.92  | 2.01  | 2.31  | 2.69  | 2.96  | 3.00  | 3.00  | 2.96  | 2.86  | 2.90  | 2.75  | 2.86  | 3.35  | 3.89   | 3.64   | 3.48   | 3.48  | 3.36  | 3.02  | 2.44  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.93 | -3.52 | -4.74 | -4.34 | -3.02 | 0.00  | 0.00  | 0.00  | -4.09 | -8.60  | -8.60  | -7.91  | -6.12 | -2.24 | 0.00  | 0.00  |
| LONGIL | 36.01 | 32.41 | 30.13 | 28.26 | 28.35 | 29.28 | 30.52 | 33.02 | 36.35 | 38.37 | 39.74 | 39.55 | 37.91 | 35.26 | 34.56 | 34.74 | 46.68 | 50.90  | 49.00  | 46.61  | 44.76 | 40.62 | 36.27 | 33.23 |
| 61762  | 3.06  | 2.23  | 1.94  | 1.70  | 1.71  | 1.79  | 2.37  | 2.78  | 3.30  | 3.56  | 3.69  | 3.71  | 3.73  | 3.72  | 3.62  | 3.66  | 4.49  | 4.82   | 4.67   | 4.53   | 4.66  | 4.54  | 3.80  | 2.77  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.95 | -3.56 | -4.80 | -4.39 | -3.05 | 0.00  | 0.00  | 0.00  | -9.40 | -8.70  | -8.70  | -8.00  | -6.36 | -2.45 | 0.00  | 0.00  |
| MHK VL | 33.83 | 30.96 | 28.90 | 27.23 | 27.28 | 28.21 | 28.98 | 31.18 | 32.35 | 32.77 | 32.97 | 33.15 | 32.59 | 32.55 | 31.96 | 32.10 | 34.49 | 40.02  | 38.24  | 36.50  | 35.88 | 35.24 | 33.57 | 31.49 |
| 61756  | 0.89  | 0.78  | 0.71  | 0.66  | 0.64  | 0.71  | 0.82  | 0.94  | 0.97  | 1.00  | 1.03  | 1.07  | 1.03  | 1.01  | 1.02  | 1.02  | 1.12  | 1.38   | 1.35   | 1.26   | 1.25  | 1.28  | 1.10  | 1.04  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.28 | -0.51 | -0.69 | -0.63 | -0.44 | 0.00  | 0.00  | 0.00  | -0.60 | -1.25  | -1.25  | -1.15  | -0.89 | -0.33 | 0.00  | 0.00  |
| MILLWD | 35.71 | 32.32 | 30.19 | 28.37 | 28.48 | 29.42 | 30.47 | 32.96 | 36.05 | 37.86 | 39.10 | 38.85 | 37.09 | 34.48 | 33.69 | 33.93 | 40.32 | 50.08  | 48.08  | 45.66  | 43.51 | 39.34 | 35.52 | 32.90 |
| 61759  | 2.77  | 2.14  | 2.00  | 1.81  | 1.84  | 1.92  | 2.31  | 2.72  | 2.99  | 3.03  | 3.03  | 2.99  | 2.90  | 2.93  | 2.75  | 2.86  | 3.38  | 3.96   | 3.71   | 3.54   | 3.54  | 3.43  | 3.05  | 2.44  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.96 | -3.57 | -4.82 | -4.41 | -3.07 | 0.00  | 0.00  | 0.00  | -4.16 | -8.74  | -8.74  | -8.04  | -6.22 | -2.28 | 0.00  | 0.00  |
| N.Y.C. | 35.97 | 32.53 | 30.39 | 28.55 | 28.67 | 29.58 | 30.67 | 33.15 | 36.20 | 38.00 | 39.17 | 38.98 | 37.23 | 34.63 | 33.76 | 34.03 | 40.39 | 50.15  | 48.18  | 47.17  | 45.40 | 42.00 | 35.75 | 33.14 |
| 61761  | 3.03  | 2.36  | 2.20  | 1.99  | 2.02  | 2.09  | 2.51  | 2.90  | 3.14  | 3.19  | 3.13  | 3.14  | 3.05  | 3.09  | 2.82  | 2.95  | 3.47  | 4.08   | 3.85   | 3.72   | 3.81  | 3.70  | 3.28  | 2.68  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.95 | -3.55 | -4.79 | -4.39 | -3.05 | 0.00  | 0.00  | 0.00  | -4.14 | -8.69  | -8.70  | -9.37  | -7.85 | -4.67 | 0.00  | 0.00  |
| NORTH  | 32.05 | 29.87 | 27.88 | 26.27 | 26.35 | 27.14 | 27.79 | 29.24 | 30.08 | 30.25 | 30.22 | 30.69 | 30.57 | 30.91 | 30.23 | 30.24 | 31.53 | 35.85  | 34.14  | 32.72  | 32.43 | 32.32 | 31.59 | 29.82 |
| 61755  | -0.89 | -0.30 | -0.31 | -0.29 | -0.29 | -0.36 | -0.37 | -1.00 | -1.03 | -1.00 | -1.03 | -0.76 | -0.56 | -0.63 | -0.71 | -0.84 | -1.25 | -1.53  | -1.50  | -1.36  | -1.32 | -1.31 | -0.88 | -0.64 |
|        | 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    | 35.61 | 32.35 | 30.25 | 28.39 | 28.56 | 29.42 | 30.24 | 32.75 | 36.08 | 38.14 | 39.60 | 39.30 | 37.37 | 34.22 | 33.48 | 33.68 | 40.51 | 50.86  | 49.00  | 46.45  | 43.95 | 39.20 | 35.23 | 32.71 |
| 61845  | 2.67  | 2.17  | 2.06  | 1.83  | 1.92  | 1.92  | 2.08  | 2.51  | 2.68  | 2.69  | 2.69  | 2.67  | 2.64  | 2.68  | 2.54  | 2.61  | 2.85  | 3.22   | 3.10   | 2.93   | 2.90  | 2.89  | 2.76  | 2.25  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.30 | -4.20 | -5.66 | -5.18 | -3.60 | 0.00  | 0.00  | 0.00  | -4.88 | -10.26 | -10.26 | -9.44  | -7.30 | -2.67 | 0.00  | 0.00  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 32.08 | 29.45 | 27.46 | 25.92 | 25.93 | 26.97 | 27.00 | 29.27 | 29.56 | 29.97 | 30.14 | 30.00 | 29.39 | 29.27 | 29.21 | 29.27 | 31.56 | 36.57 | 35.00 | 33.32 | 32.64 | 32.06 | 30.59 | 29.33 |
|               | -0.86 | -0.72 | -0.73 | -0.64 | -0.72 | -0.52 | -1.16 | -0.97 | -1.87 | -1.87 | -1.91 | -2.17 | -2.24 | -2.27 | -1.73 | -1.80 | -1.90 | -2.24 | -2.07 | -2.08 | -2.12 | -1.95 | -1.88 | -1.13 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.32 | -0.59 | -0.79 | -0.72 | -0.50 | 0.00  | 0.00  | 0.00  | -0.68 | -1.43 | -1.43 | -1.32 | -1.02 | -0.37 | 0.00  | 0.00  |
| PJM<br>61847  | 33.50 | 30.54 | 28.50 | 26.85 | 26.91 | 27.91 | 28.47 | 30.76 | 32.32 | 33.28 | 33.85 | 33.68 | 32.58 | 31.45 | 31.07 | 31.20 | 35.18 | 42.22 | 40.45 | 38.46 | 37.16 | 35.06 | 32.60 | 30.76 |
|               | 0.56  | 0.36  | 0.31  | 0.29  | 0.27  | 0.41  | 0.31  | 0.51  | 0.22  | 0.22  | 0.16  | 0.00  | -0.09 | -0.09 | 0.12  | 0.12  | 0.29  | 0.41  | 0.39  | 0.31  | 0.27  | 0.27  | 0.13  | 0.30  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.99 | -1.81 | -2.44 | -2.23 | -1.55 | 0.00  | 0.00  | 0.00  | -2.11 | -4.42 | -4.43 | -4.07 | -3.15 | -1.15 | 0.00  | 0.00  |
| WEST<br>61752 | 32.68 | 29.96 | 27.94 | 26.35 | 26.35 | 27.50 | 27.51 | 29.88 | 30.14 | 30.54 | 30.68 | 30.58 | 29.93 | 29.84 | 29.77 | 29.86 | 32.20 | 37.40 | 35.79 | 34.00 | 33.35 | 32.69 | 31.17 | 29.88 |
|               | -0.26 | -0.21 | -0.25 | -0.21 | -0.29 | 0.00  | -0.65 | -0.36 | -1.28 | -1.28 | -1.34 | -1.57 | -1.68 | -1.70 | -1.18 | -1.21 | -1.25 | -1.38 | -1.25 | -1.36 | -1.38 | -1.31 | -1.30 | -0.58 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.31 | -0.57 | -0.77 | -0.70 | -0.49 | 0.00  | 0.00  | 0.00  | -0.67 | -1.40 | -1.40 | -1.29 | -0.99 | -0.36 | 0.00  | 0.00  |