

# Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

11/28/2008

| 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 | 50.55 | 42.35 | 42.41 | 42.45 | 42.65 | 44.47 | 56.97 | 55.70 | 59.42 | 65.24  | 64.65  | 60.72  | 56.15  | 51.29  | 50.21  | 49.07  | 65.65  | 76.26  | 68.60  | 64.34  | 61.16 | 55.52 | 50.39 | 49.20 |
| 61757  | 2.64  | 2.32  | 2.25  | 2.29  | 2.49  | 2.48  | 2.87  | 2.85  | 3.41  | 3.51   | 3.52   | 3.63   | 3.33   | 2.67   | 2.48   | 2.51   | 3.63   | 4.83   | 3.84   | 3.93   | 3.66  | 3.09  | 2.63  | 2.34  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.84 | -7.73  | -6.90  | -2.91  | 0.00   | 0.00   | 0.00   | 0.00   | -7.05  | -1.48  | -6.60  | 0.00   | -1.12 | 0.00  | 0.00  | 0.00  |
| CENTRL | 46.67 | 39.11 | 39.08 | 39.04 | 39.04 | 40.90 | 53.51 | 51.63 | 53.24 | 54.01  | 54.15  | 53.59  | 51.55  | 47.26  | 46.34  | 45.16  | 54.57  | 69.36  | 57.98  | 59.45  | 55.27 | 51.64 | 46.71 | 45.78 |
| 61754  | -1.25 | -0.92 | -1.08 | -1.12 | -1.12 | -1.09 | -0.60 | -1.22 | -1.14 | -0.86  | -0.87  | -0.92  | -1.27  | -1.36  | -1.38  | -1.40  | -1.21  | -0.77  | -0.93  | -0.97  | -1.24 | -0.79 | -1.05 | -1.08 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.21 | -0.88  | -0.79  | -0.33  | 0.00   | 0.00   | 0.00   | 0.00   | -0.80  | -0.17  | -0.75  | 0.00   | -0.13 | 0.00  | 0.00  | 0.00  |
| DUNWOD | 50.84 | 42.43 | 42.25 | 42.25 | 42.29 | 44.47 | 57.78 | 56.81 | 59.94 | 64.22  | 63.80  | 60.69  | 56.83  | 51.97  | 50.92  | 49.72  | 64.67  | 77.29  | 68.17  | 65.49  | 61.90 | 56.62 | 51.20 | 49.81 |
| 61760  | 2.92  | 2.40  | 2.09  | 2.09  | 2.13  | 2.48  | 3.68  | 3.96  | 4.39  | 4.43   | 4.39   | 4.33   | 4.01   | 3.35   | 3.20   | 3.17   | 4.40   | 6.23   | 5.06   | 5.07   | 4.68  | 4.19  | 3.44  | 2.95  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.38 | -5.80  | -5.18  | -2.18  | 0.00   | 0.00   | 0.00   | 0.00   | -5.29  | -1.11  | -4.96  | 0.00   | -0.84 | 0.00  | 0.00  | 0.00  |
| GENESE | 45.09 | 37.87 | 37.67 | 37.63 | 37.67 | 39.13 | 51.99 | 49.36 | 50.56 | 51.29  | 51.48  | 51.05  | 49.33  | 45.27  | 44.34  | 43.25  | 52.20  | 66.47  | 55.13  | 56.85  | 52.43 | 49.91 | 45.14 | 44.61 |
| 61753  | -2.83 | -2.16 | -2.49 | -2.53 | -2.49 | -2.86 | -2.11 | -3.49 | -3.79 | -3.46  | -3.42  | -3.41  | -3.49  | -3.35  | -3.39  | -3.31  | -3.46  | -3.64  | -3.66  | -3.56  | -4.06 | -2.52 | -2.63 | -2.25 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.18 | -0.75  | -0.67  | -0.28  | 0.00   | 0.00   | 0.00   | 0.00   | -0.68  | -0.14  | -0.64  | 0.00   | -0.11 | 0.00  | 0.00  | 0.00  |
| H Q    | 47.72 | 39.83 | 40.12 | 40.12 | 40.12 | 44.90 | 50.66 | 52.69 | 53.79 | 53.51  | 53.74  | 53.69  | 52.50  | 48.62  | 47.87  | 47.41  | 53.83  | 69.05  | 57.58  | 59.81  | 55.20 | 52.69 | 47.57 | 46.81 |
| 61844  | -0.19 | -0.20 | -0.04 | -0.04 | -0.04 | -0.04 | -0.49 | -0.16 | -0.38 | -0.49  | -0.49  | -0.49  | -0.32  | 0.00   | 0.14   | 0.09   | -0.38  | -0.91  | -0.58  | -0.60  | -0.39 | -0.52 | -0.19 | -0.05 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.95 | 2.95  | 0.00  | 0.00  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | -0.77  | 0.77   | 0.00   | 0.00   | 0.00   | 0.79  | -0.79 | 0.00  | 0.00  |
| HUD VL | 50.60 | 42.27 | 42.13 | 42.13 | 42.13 | 44.26 | 57.40 | 56.23 | 59.40 | 63.68  | 63.34  | 60.14  | 56.26  | 51.43  | 50.39  | 49.22  | 64.23  | 76.36  | 67.28  | 64.85  | 61.43 | 56.00 | 50.71 | 49.44 |
| 61758  | 2.68  | 2.24  | 1.97  | 1.97  | 1.97  | 2.27  | 3.30  | 3.38  | 3.95  | 4.00   | 4.07   | 3.95   | 3.70   | 3.06   | 2.91   | 2.93   | 4.12   | 5.88   | 4.77   | 4.83   | 4.40  | 3.83  | 3.10  | 2.58  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.28 | -5.69  | -5.04  | -2.01  | 0.25   | 0.25   | 0.25   | 0.27   | -5.12  | -0.52  | -4.35  | 0.40   | -0.65 | 0.26  | 0.16  | 0.00  |
| LONGIL | 51.84 | 42.99 | 42.65 | 42.65 | 43.37 | 45.30 | 58.75 | 58.25 | 63.74 | 66.98  | 66.74  | 64.56  | 61.75  | 56.91  | 55.99  | 54.93  | 68.35  | 90.79  | 82.51  | 76.49  | 67.52 | 62.65 | 56.84 | 51.56 |
| 61762  | 3.93  | 2.96  | 2.49  | 2.49  | 3.21  | 3.32  | 4.65  | 5.39  | 5.80  | 5.35   | 5.10   | 5.20   | 4.97   | 4.08   | 3.91   | 3.86   | 5.17   | 8.05   | 6.80   | 6.40   | 5.92  | 5.45  | 4.82  | 4.69  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -3.78 | -7.64  | -7.41  | -5.18  | -3.97  | -4.21  | -4.35  | -4.51  | -8.20  | -12.78 | -17.54 | -9.67  | -5.22 | -4.77 | -4.25 | -0.02 |
| MHK VL | 48.39 | 40.47 | 40.60 | 40.56 | 40.52 | 42.45 | 54.97 | 53.54 | 55.36 | 56.18  | 56.32  | 55.70  | 53.66  | 49.30  | 48.40  | 47.21  | 56.94  | 71.95  | 60.31  | 61.62  | 57.64 | 53.37 | 48.53 | 47.33 |
| 61756  | 0.48  | 0.44  | 0.44  | 0.40  | 0.36  | 0.46  | 0.87  | 0.69  | 0.98  | 1.30   | 1.30   | 1.19   | 0.85   | 0.68   | 0.67   | 0.65   | 1.15   | 1.82   | 1.40   | 1.21   | 1.13  | 0.94  | 0.76  | 0.47  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.21 | -0.89  | -0.79  | -0.33  | 0.00   | 0.00   | 0.00   | 0.00   | -0.81  | -0.17  | -0.76  | 0.00   | -0.13 | 0.00  | 0.00  | 0.00  |
| MILLWD | 50.74 | 42.35 | 42.21 | 42.21 | 42.17 | 44.38 | 57.56 | 56.65 | 59.64 | 63.96  | 63.55  | 60.30  | 56.31  | 51.47  | 50.38  | 49.20  | 64.37  | 76.33  | 67.19  | 64.80  | 61.47 | 56.04 | 50.78 | 49.58 |
| 61759  | 2.83  | 2.32  | 2.05  | 2.05  | 2.01  | 2.39  | 3.46  | 3.81  | 4.23  | 4.27   | 4.28   | 4.17   | 3.86   | 3.21   | 3.01   | 3.03   | 4.29   | 6.09   | 4.89   | 4.95   | 4.51  | 3.98  | 3.25  | 2.72  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.24 | -5.70  | -5.04  | -1.95  | 0.36   | 0.36   | 0.35   | 0.38   | -5.10  | -0.29  | -4.15  | 0.57   | -0.58 | 0.37  | 0.23  | 0.00  |
| N.Y.C. | 51.37 | 42.83 | 42.65 | 42.65 | 42.69 | 44.88 | 58.27 | 57.25 | 64.31 | 73.85  | 75.00  | 74.94  | 74.36  | 73.53  | 70.00  | 73.89  | 77.00  | 90.26  | 81.65  | 78.33  | 70.18 | 62.42 | 53.88 | 50.20 |
| 61761  | 3.45  | 2.80  | 2.49  | 2.49  | 2.53  | 2.90  | 4.17  | 4.39  | 4.77  | 4.75   | 4.72   | 4.71   | 4.38   | 3.65   | 3.48   | 3.45   | 4.73   | 6.86   | 5.87   | 5.56   | 5.07  | 4.56  | 3.87  | 3.33  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.01 | -5.37 | -15.10 | -16.05 | -16.05 | -17.15 | -21.27 | -18.79 | -23.89 | -17.29 | -13.45 | -17.62 | -12.36 | -8.72 | -5.43 | -2.24 | -0.01 |
| NORTH  | 47.24 | 39.27 | 39.96 | 39.96 | 39.88 | 41.78 | 53.45 | 52.74 | 53.90 | 53.73  | 53.96  | 53.74  | 52.45  | 48.77  | 48.06  | 46.83  | 54.71  | 69.26  | 57.58  | 59.87  | 56.21 | 51.54 | 47.38 | 46.63 |
| 61755  | -0.67 | -0.76 | -0.20 | -0.20 | -0.28 | -0.21 | -0.65 | -0.11 | -0.27 | -0.27  | -0.27  | -0.43  | -0.37  | 0.15   | 0.33   | 0.28   | -0.27  | -0.70  | -0.58  | -0.54  | -0.17 | -0.89 | -0.38 | -0.23 |
|        | 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    | 50.50 | 42.23 | 42.21 | 42.21 | 42.29 | 47.12 | 54.18 | 55.91 | 59.26 | 64.27  | 63.84  | 60.32  | 56.15  | 51.29  | 50.30  | 49.88  | 63.95  | 75.95  | 67.94  | 64.40  | 60.49 | 56.22 | 50.49 | 49.16 |
| 61845  | 2.59  | 2.20  | 2.05  | 2.05  | 2.13  | 2.18  | 3.03  | 3.07  | 3.47  | 3.46   | 3.52   | 3.58   | 3.33   | 2.67   | 2.58   | 2.56   | 3.52   | 4.69   | 3.95   | 3.99   | 3.66  | 3.25  | 2.72  | 2.30  |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.95 | 2.95  | 0.00  | -1.62 | -6.82  | -6.09  | -2.57  | 0.00   | 0.00   | 0.00   | -0.77  | -5.45  | -1.30  | -5.83  | 0.00   | -0.44 | -0.54 | 0.00  | 0.00  |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| OH<br>61846   | 42.93 | 36.23 | 35.58 | 35.58 | 35.50 | 39.44 | 46.06 | 45.45 | 45.53 | 45.43 | 45.64 | 45.80 | 44.78 | 40.98 | 40.04 | 39.96 | 45.62 | 59.72  | 49.07 | 51.23 | 46.53 | 46.52 | 42.32 | 42.45 |
|               | -4.98 | -3.80 | -4.58 | -4.58 | -4.66 | -5.50 | -5.09 | -7.40 | -8.61 | -8.48 | -8.51 | -8.34 | -8.03 | -7.63 | -7.68 | -7.36 | -8.52 | -10.21 | -9.01 | -9.18 | -9.30 | -6.45 | -5.45 | -4.40 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.95 | 2.95  | 0.00  | 0.03  | 0.08  | 0.08  | 0.04  | 0.01  | 0.01  | 0.01  | -0.76 | 0.84  | 0.02   | 0.07  | 0.00  | 0.54  | -0.54 | 0.00  | 0.00  |
| PJM<br>61847  | 43.84 | 40.19 | 40.00 | 40.00 | 40.00 | 44.90 | 51.80 | 53.32 | 56.20 | 60.00 | 60.01 | 58.39 | 55.00 | 51.31 | 50.00 | 50.00 | 55.22 | 72.45  | 63.00 | 62.12 | 57.70 | 54.04 | 48.10 | 47.00 |
|               | -4.07 | 0.16  | -0.16 | -0.16 | -0.16 | -0.04 | 0.65  | 0.48  | 0.65  | 0.76  | 0.76  | 0.65  | 0.21  | -0.15 | -0.19 | -0.19 | 0.22  | 1.19   | 0.87  | 0.85  | 0.62  | 0.84  | 0.33  | 0.14  |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -2.95 | 2.95  | 0.00  | -1.38 | -5.25 | -5.02 | -3.57 | -1.97 | -2.84 | -2.46 | -3.63 | -0.02 | -1.30  | -3.97 | -0.86 | -0.70 | -0.77 | 0.00  | 0.00  |
| WEST<br>61752 | 43.41 | 36.51 | 35.74 | 35.74 | 35.74 | 36.82 | 49.61 | 46.67 | 46.98 | 47.06 | 47.31 | 47.16 | 45.89 | 42.00 | 41.13 | 40.17 | 47.64 | 61.51  | 50.73 | 52.80 | 48.68 | 47.19 | 43.13 | 42.88 |
|               | -4.50 | -3.52 | -4.42 | -4.42 | -4.42 | -5.16 | -4.49 | -6.18 | -7.20 | -7.02 | -7.00 | -7.04 | -6.92 | -6.61 | -6.59 | -6.38 | -7.42 | -8.47  | -7.50 | -7.61 | -7.72 | -5.24 | -4.63 | -3.98 |
|               | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.02 | -0.09 | -0.08 | -0.03 | 0.01  | 0.01  | 0.01  | 0.01  | -0.08 | -0.01  | -0.07 | 0.00  | -0.02 | 0.00  | 0.00  | 0.00  |