

## Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

--- Scarcity Pricing In Effect (Y/N)

## Zonal Data

09/12/2003

| 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 | 54.85 | 56.90 | 39.35 | 35.97 | 35.38 | 55.58 | 59.07 | 59.14 | 54.82 | 55.49 | 59.13 | 59.71 | 63.00 | 84.49 | 84.58 | 57.96 | 56.93 | 50.38 | 47.26 | 50.80  | 52.19 | 49.58 | 49.66 | 47.00 |
| 61757  | 3.86  | 4.18  | 3.02  | 3.06  | 2.98  | 4.53  | 4.67  | 4.52  | 3.88  | 3.77  | 4.24  | 3.90  | 3.85  | 5.07  | 5.06  | 3.34  | 3.26  | 3.00  | 2.97  | 3.54   | 3.63  | 3.52  | 3.39  | 3.43  |
|        | 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  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| CENTRL | 49.60 | 51.12 | 35.22 | 31.83 | 31.34 | 49.47 | 52.82 | 53.06 | 49.65 | 50.53 | 53.62 | 54.68 | 58.01 | 77.73 | 77.88 | 53.58 | 52.61 | 46.38 | 43.29 | 46.07  | 47.38 | 44.85 | 45.02 | 42.34 |
| 61754  | -1.39 | -1.60 | -1.11 | -1.09 | -1.06 | -1.58 | -1.58 | -1.56 | -1.29 | -1.18 | -1.27 | -1.13 | -1.15 | -1.68 | -1.65 | -1.05 | -1.06 | -1.01 | -0.99 | -1.19  | -1.18 | -1.20 | -1.25 | -1.23 |
|        | 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  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| DUNWOD | 53.12 | 54.48 | 37.41 | 33.76 | 33.30 | 52.63 | 56.81 | 57.61 | 54.29 | 55.26 | 58.65 | 59.49 | 63.05 | 85.12 | 84.89 | 58.16 | 57.39 | 50.38 | 46.99 | 50.45  | 51.81 | 48.94 | 49.09 | 45.89 |
| 61760  | 2.13  | 1.76  | 1.08  | 0.85  | 0.90  | 1.58  | 2.41  | 3.00  | 3.35  | 3.54  | 3.76  | 3.68  | 3.90  | 5.71  | 5.36  | 3.54  | 3.71  | 3.00  | 2.70  | 3.19   | 3.25  | 2.89  | 2.82  | 2.32  |
|        | 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  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| GENESE | 51.63 | 53.43 | 36.90 | 33.39 | 32.85 | 52.06 | 55.10 | 55.12 | 51.32 | 52.29 | 55.53 | 56.87 | 60.22 | 80.20 | 80.40 | 55.46 | 54.39 | 48.10 | 44.92 | 47.73  | 49.16 | 46.48 | 46.53 | 43.95 |
| 61753  | 0.64  | 0.71  | 0.56  | 0.48  | 0.45  | 1.01  | 0.70  | 0.51  | 0.38  | 0.58  | 0.64  | 1.06  | 1.07  | 0.78  | 0.88  | 0.84  | 0.72  | 0.72  | 0.63  | 0.47   | 0.60  | 0.43  | 0.26  | 0.38  |
|        | 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  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| H Q    | 51.05 | 52.96 | 36.49 | 33.17 | 32.62 | 51.57 | 54.69 | 54.66 | 50.60 | 51.07 | 54.46 | 55.41 | 58.83 | 78.81 | 79.04 | 54.39 | 53.35 | 42.15 | 44.13 | 47.10  | 48.45 | 45.88 | 46.10 | 43.43 |
| 61844  | 0.06  | 0.24  | 0.16  | 0.26  | 0.23  | 0.52  | 0.29  | 0.05  | -0.34 | -0.15 | -0.43 | -0.40 | -0.33 | -0.60 | -0.48 | -0.24 | -0.33 | -0.14 | -0.16 | -0.16  | -0.11 | -0.17 | -0.17 | -0.13 |
|        | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.04 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 5.33  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| HUD VL | 52.16 | 53.65 | 36.89 | 33.33 | 32.86 | 51.80 | 55.79 | 56.47 | 53.12 | 54.01 | 57.40 | 58.21 | 61.71 | 83.30 | 83.18 | 57.00 | 56.10 | 49.39 | 46.09 | 49.14  | 50.69 | 47.92 | 48.10 | 45.04 |
| 61758  | 1.17  | 0.93  | 0.56  | 0.42  | 0.47  | 0.75  | 1.39  | 1.86  | 2.18  | 2.30  | 2.51  | 2.39  | 2.56  | 3.89  | 3.66  | 2.38  | 2.43  | 2.00  | 1.81  | 2.14   | 2.13  | 1.87  | 1.84  | 1.47  |
|        | 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  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| LONGIL | 54.30 | 55.56 | 38.28 | 34.55 | 34.06 | 53.83 | 57.89 | 58.44 | 54.96 | 55.93 | 59.34 | 60.29 | 63.86 | 86.07 | 85.75 | 58.98 | 58.24 | 53.25 | 52.59 | 60.42  | 54.39 | 51.94 | 50.60 | 47.74 |
| 61762  | 3.25  | 2.84  | 1.95  | 1.63  | 1.67  | 2.78  | 3.49  | 3.82  | 4.02  | 4.22  | 4.45  | 4.48  | 4.71  | 6.66  | 6.23  | 4.32  | 4.56  | 3.72  | 3.30  | 3.92   | 4.06  | 3.59  | 3.60  | 3.22  |
|        | -0.06 | 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  | -0.04 | -0.02 | -2.15 | -5.00 | -9.24  | -1.77 | -2.30 | -0.73 | -0.95 |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| MHK VL | 52.23 | 53.95 | 37.22 | 33.73 | 33.19 | 52.38 | 55.74 | 55.89 | 52.06 | 52.86 | 56.14 | 57.04 | 60.44 | 81.23 | 81.29 | 55.80 | 54.81 | 48.36 | 45.31 | 48.42  | 49.69 | 47.07 | 47.25 | 44.61 |
| 61756  | 1.24  | 1.23  | 0.89  | 0.82  | 0.79  | 1.33  | 1.34  | 1.27  | 1.12  | 1.15  | 1.25  | 1.23  | 1.29  | 1.81  | 1.77  | 1.18  | 1.14  | 0.98  | 1.02  | 1.16   | 1.13  | 1.02  | 0.99  | 1.04  |
|        | 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  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| MILLWD | 52.34 | 53.69 | 36.88 | 33.28 | 32.81 | 51.84 | 55.93 | 56.67 | 53.38 | 54.32 | 57.67 | 58.48 | 62.00 | 83.73 | 83.53 | 57.24 | 56.49 | 49.60 | 46.26 | 49.63  | 50.97 | 48.15 | 48.31 | 45.17 |
| 61759  | 1.35  | 0.97  | 0.54  | 0.36  | 0.42  | 0.79  | 1.53  | 2.06  | 2.44  | 2.60  | 2.77  | 2.67  | 2.85  | 4.32  | 4.01  | 2.62  | 2.82  | 2.22  | 1.97  | 2.38   | 2.41  | 2.10  | 2.04  | 1.60  |
|        | 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  |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |
| N.Y.C. | 55.40 | 56.38 | 38.06 | 34.33 | 33.88 | 53.98 | 58.66 | 59.50 | 64.02 | 60.86 | 60.01 | 60.84 | 64.41 | 86.93 | 86.56 | 59.25 | 58.53 | 51.34 | 47.90 | 63.90  | 54.32 | 55.28 | 55.23 | 53.68 |
| 61761  | 3.14  | 2.76  | 1.72  | 1.42  | 1.48  | 2.60  | 3.67  | 4.38  | 4.73  | 4.96  | 5.12  | 5.03  | 5.26  | 7.52  | 7.04  | 4.63  | 4.86  | 3.96  | 3.61  | 4.27   | 4.37  | 3.96  | 3.86  | 3.22  |
|        | -1.27 | -0.90 | 0.00  | 0.00  | 0.00  | -0.34 | -0.59 | -0.50 | -8.35 | -4.18 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -12.36 | -1.39 | -5.26 | -5.10 | -6.89 |
|        | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N      | N     | N     | N     | N     |

|                |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| NORTH<br>61755 | 51.52 | 53.43 | 36.84 | 33.49 | 32.92 | 52.08 | 55.11 | 54.98 | 50.85 | 51.58 | 54.76 | 55.72 | 59.15 | 79.26 | 79.49 | 54.70 | 53.65 | 47.39 | 44.41 | 47.42 | 48.74 | 46.13 | 46.34 | 43.80 |
|                | 0.53  | 0.71  | 0.51  | 0.57  | 0.53  | 1.03  | 0.71  | 0.36  | -0.09 | -0.14 | -0.13 | -0.09 | 0.00  | -0.15 | -0.03 | 0.08  | -0.02 | 0.01  | 0.13  | 0.16  | 0.18  | 0.08  | 0.08  | 0.24  |
|                | 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  |
|                | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     |
| NPX<br>61845   | 52.67 | 54.52 | 37.66 | 34.34 | 33.80 | 53.01 | 56.51 | 56.68 | 53.03 | 52.91 | 57.90 | 58.51 | 61.85 | 83.11 | 83.14 | 56.98 | 55.97 | 44.48 | 45.63 | 48.94 | 50.23 | 47.70 | 47.85 | 45.20 |
|                | 1.68  | 1.80  | 1.33  | 1.43  | 1.40  | 1.96  | 2.11  | 2.07  | 2.09  | 1.69  | 3.00  | 2.70  | 2.70  | 3.70  | 3.62  | 2.36  | 2.30  | 2.19  | 1.34  | 1.68  | 1.67  | 1.65  | 1.58  | 1.63  |
|                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.04 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 5.33  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|                | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     |
| O H<br>61846   | 48.76 | 50.44 | 34.78 | 31.09 | 30.56 | 48.26 | 51.06 | 51.13 | 47.78 | 48.00 | 51.74 | 53.71 | 57.15 | 76.18 | 76.63 | 52.99 | 51.83 | 37.67 | 42.69 | 44.87 | 46.05 | 43.62 | 43.85 | 41.27 |
|                | -2.23 | -2.28 | -1.56 | -1.83 | -1.83 | -2.79 | -3.34 | -3.49 | -3.16 | -3.22 | -3.15 | -2.10 | -2.01 | -3.23 | -2.89 | -1.63 | -1.84 | -4.62 | -1.60 | -2.39 | -2.51 | -2.43 | -2.42 | -2.30 |
|                | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.04 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 5.33  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|                | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     |
| PJM<br>61847   | 0.01  | 10.10 | 13.00 | 19.00 | 18.89 | 19.98 | 30.98 | 47.42 | 47.88 | 47.69 | 51.69 | 49.00 | 50.00 | 75.95 | 76.06 | 52.35 | 51.45 | 37.00 | 42.21 | 44.84 | 45.96 | 43.59 | 43.86 | 41.20 |
|                | -7.32 | -5.33 | -5.54 | -6.37 | -5.17 | -4.63 | -5.62 | -5.13 | -3.06 | -3.53 | -3.20 | -5.21 | -4.28 | -3.47 | -3.47 | -2.27 | -2.23 | -5.29 | -2.08 | -2.42 | -2.60 | -2.46 | -2.41 | -2.37 |
|                | 46.52 | 37.87 | 30.05 | 20.49 | 20.51 | 24.08 | 14.92 | 0.87  | 0.00  | -0.04 | 0.00  | 2.47  | 2.00  | 0.00  | 0.00  | 0.00  | 0.00  | 5.33  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
|                | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     |
| WEST<br>61752  | 48.55 | 50.14 | 34.52 | 30.85 | 30.34 | 47.92 | 50.85 | 50.98 | 47.72 | 48.80 | 51.75 | 53.76 | 57.27 | 76.34 | 76.83 | 53.13 | 51.93 | 45.96 | 42.67 | 44.79 | 46.01 | 43.54 | 43.74 | 41.15 |
|                | -2.44 | -2.58 | -1.81 | -2.06 | -2.06 | -3.13 | -3.55 | -3.63 | -3.22 | -2.91 | -3.14 | -2.05 | -1.89 | -3.07 | -2.69 | -1.49 | -1.74 | -1.42 | -1.61 | -2.47 | -2.56 | -2.52 | -2.52 | -2.42 |
|                | 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  |
|                | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     | N     |