

## Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

11/16/2002

| 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 61757 | 39.91 | 39.07 | 39.15 | 36.10 | 35.93 | 37.97 | 41.41 | 41.57 | 46.12 | 54.36 | 51.19 | 55.44 | 48.37 | 44.85  | 43.65  | 43.77 | 55.88 | 64.57 | 60.39 | 54.58 | 55.21 | 44.32 | 42.16 | 41.78 |
|              | 0.56  | 0.56  | 0.58  | 0.50  | 0.50  | 0.56  | 0.48  | 0.63  | 0.92  | 1.32  | 1.28  | 1.46  | 1.24  | 1.15   | 1.10   | 1.14  | 1.54  | 1.99  | 1.77  | 1.43  | 1.36  | 1.06  | 0.97  | 0.75  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.02  | 0.01  | 0.02  | 0.03  | 0.02  | 0.02  | 0.03  | 0.02   | 0.02   | 0.02  | 0.02  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| CENTRL 61754 | 37.85 | 36.98 | 37.01 | 34.15 | 34.01 | 35.93 | 39.47 | 39.44 | 43.76 | 51.41 | 48.36 | 52.26 | 45.61 | 42.28  | 41.16  | 41.24 | 52.70 | 60.82 | 56.94 | 51.46 | 52.11 | 42.00 | 39.86 | 39.59 |
|              | -1.50 | -1.53 | -1.56 | -1.45 | -1.42 | -1.48 | -1.43 | -1.47 | -1.40 | -1.58 | -1.51 | -1.68 | -1.47 | -1.38  | -1.37  | -1.36 | -1.60 | -1.76 | -1.68 | -1.69 | -1.74 | -1.26 | -1.33 | -1.44 |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.05  | 0.04  | 0.06  | 0.08  | 0.06  | 0.06  | 0.08  | 0.06   | 0.04   | 0.05  | 0.06  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| DUNWOD 61760 | 41.12 | 40.24 | 40.27 | 37.13 | 36.92 | 39.13 | 42.50 | 42.79 | 47.39 | 55.78 | 52.53 | 56.81 | 49.71 | 46.12  | 44.91  | 44.91 | 57.19 | 66.21 | 61.90 | 55.97 | 56.70 | 45.60 | 43.37 | 43.00 |
|              | 1.77  | 1.73  | 1.70  | 1.53  | 1.49  | 1.72  | 1.64  | 1.84  | 2.17  | 2.71  | 2.60  | 2.81  | 2.55  | 2.40   | 2.34   | 2.26  | 2.83  | 3.63  | 3.28  | 2.82  | 2.85  | 2.34  | 2.18  | 1.97  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.09  | 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  |
| GENESE 61753 | 36.67 | 35.80 | 35.87 | 33.09 | 32.98 | 34.73 | 39.63 | 39.54 | 44.20 | 52.33 | 48.92 | 52.84 | 46.36 | 42.76  | 41.35  | 41.54 | 53.19 | 59.66 | 56.16 | 50.63 | 51.42 | 41.69 | 39.43 | 38.43 |
|              | -2.68 | -2.71 | -2.70 | -2.51 | -2.45 | -2.68 | -1.93 | -1.93 | -1.80 | -1.90 | -1.88 | -2.00 | -1.87 | -1.82  | -1.83  | -1.76 | -2.00 | -2.92 | -2.46 | -2.52 | -2.43 | -1.57 | -1.76 | -2.60 |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.61 | -0.52 | -0.78 | -1.16 | -0.87 | -0.84 | -1.07 | -0.86  | -0.61  | -0.65 | -0.83 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| H Q 61844    | 34.13 | 38.66 | 38.69 | 35.74 | 35.57 | 37.52 | 41.07 | 41.07 | 45.17 | 52.86 | 49.73 | 53.78 | 46.97 | 43.55  | 42.40  | 42.52 | 54.09 | 62.20 | 58.27 | 53.04 | 53.74 | 43.04 | 41.07 | 41.07 |
|              | 0.16  | 0.15  | 0.12  | 0.14  | 0.14  | 0.11  | 0.12  | 0.12  | -0.05 | -0.21 | -0.20 | -0.22 | -0.19 | -0.17  | -0.17  | -0.13 | -0.27 | -0.38 | -0.35 | -0.11 | -0.11 | -0.22 | -0.12 | 0.04  |
|              | 5.38  | 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  |
| HUD VL 61758 | 40.76 | 39.85 | 39.87 | 36.77 | 36.56 | 38.74 | 42.13 | 42.37 | 46.87 | 55.17 | 51.94 | 56.18 | 49.14 | 45.60  | 44.43  | 44.41 | 56.60 | 65.41 | 61.22 | 55.35 | 56.08 | 45.10 | 42.97 | 42.65 |
|              | 1.41  | 1.34  | 1.30  | 1.17  | 1.13  | 1.33  | 1.27  | 1.42  | 1.65  | 2.10  | 2.01  | 2.18  | 1.98  | 1.88   | 1.86   | 1.76  | 2.24  | 2.83  | 2.60  | 2.20  | 2.23  | 1.84  | 1.78  | 1.62  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.09  | 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  |
| LONGIL 61762 | 40.86 | 40.07 | 39.98 | 37.34 | 37.07 | 39.07 | 41.98 | 42.58 | 47.25 | 55.79 | 52.54 | 56.49 | 50.01 | 46.34  | 45.02  | 44.99 | 56.79 | 66.18 | 62.16 | 55.83 | 56.75 | 46.00 | 43.34 | 42.46 |
|              | 1.51  | 1.56  | 1.41  | 1.74  | 1.64  | 1.66  | 1.12  | 1.63  | 2.03  | 2.72  | 2.61  | 2.49  | 2.85  | 2.62   | 2.45   | 2.34  | 2.43  | 3.60  | 3.54  | 2.68  | 2.90  | 2.74  | 2.15  | 1.43  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.09  | 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  |
| MHK VL 61756 | 39.53 | 38.65 | 38.67 | 35.70 | 35.54 | 37.56 | 41.13 | 41.08 | 45.42 | 53.32 | 50.18 | 54.27 | 47.35 | 43.89  | 42.76  | 42.91 | 54.83 | 63.33 | 59.29 | 53.70 | 54.37 | 43.62 | 41.48 | 41.23 |
|              | 0.18  | 0.14  | 0.10  | 0.10  | 0.11  | 0.15  | 0.21  | 0.16  | 0.24  | 0.31  | 0.29  | 0.31  | 0.24  | 0.21   | 0.22   | 0.29  | 0.51  | 0.75  | 0.67  | 0.55  | 0.52  | 0.36  | 0.29  | 0.20  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.03  | 0.03  | 0.04  | 0.06  | 0.04  | 0.04  | 0.05  | 0.04   | 0.03   | 0.03  | 0.04  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| MILLWD 61759 | 40.73 | 39.86 | 39.88 | 36.80 | 36.57 | 38.76 | 42.11 | 42.41 | 46.90 | 55.23 | 51.98 | 56.22 | 49.19 | 45.65  | 44.47  | 44.44 | 56.62 | 65.52 | 61.32 | 55.41 | 56.11 | 45.15 | 42.96 | 42.57 |
|              | 1.38  | 1.35  | 1.31  | 1.20  | 1.14  | 1.35  | 1.25  | 1.46  | 1.68  | 2.16  | 2.05  | 2.22  | 2.03  | 1.93   | 1.90   | 1.79  | 2.26  | 2.94  | 2.70  | 2.26  | 2.26  | 1.89  | 1.77  | 1.54  |
|              | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.09  | 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.Y.C. 61761 | 44.74 | 40.71 | 40.74 | 37.57 | 37.32 | 39.56 | 43.24 | 46.43 | 52.33 | 56.22 | 57.34 | 57.25 | 56.67 | 56.58  | 55.91  | 54.49 | 57.65 | 66.66 | 62.51 | 57.20 | 57.10 | 54.79 | 52.43 | 52.09 |
|              | 2.09  | 2.19  | 2.16  | 1.97  | 1.89  | 2.14  | 1.99  | 2.20  | 2.51  | 3.14  | 3.00  | 3.25  | 2.94  | 2.71   | 2.67   | 2.56  | 3.29  | 4.08  | 3.89  | 3.24  | 3.25  | 2.69  | 2.53  | 2.28  |
|              | -3.30 | -0.01 | -0.01 | 0.00  | 0.00  | -0.01 | -0.30 | -3.28 | -4.60 | -0.01 | -4.41 | 0.00  | -6.57 | -10.15 | -10.67 | -9.28 | 0.00  | 0.00  | 0.00  | -0.81 | 0.00  | -8.84 | -8.71 | -8.78 |
| NORTH 61755  | 39.54 | 38.65 | 38.64 | 35.75 | 35.56 | 37.50 | 41.18 | 41.15 | 45.20 | 52.86 | 49.76 | 53.80 | 46.99 | 43.43  | 42.34  | 42.48 | 54.06 | 62.19 | 58.25 | 53.08 | 53.80 | 42.89 | 41.02 | 41.10 |
|              | 0.19  | 0.14  | 0.07  | 0.15  | 0.13  | 0.09  | 0.23  | 0.20  | -0.02 | -0.21 | -0.17 | -0.20 | -0.17 | -0.29  | -0.23  | -0.17 | -0.30 | -0.39 | -0.37 | -0.07 | -0.05 | -0.37 | -0.17 | 0.07  |
|              | 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 61845    | 35.03 | 39.59 | 39.65 | 36.56 | 36.35 | 38.46 | 41.93 | 42.10 | 46.62 | 54.93 | 51.68 | 55.94 | 48.86 | 45.34  | 44.15  | 44.19 | 56.37 | 65.15 | 60.91 | 55.06 | 55.73 | 44.82 | 42.63 | 42.26 |
|              | 1.06  | 1.08  | 1.08  | 0.96  | 0.92  | 1.05  | 0.98  | 1.15  | 1.40  | 1.86  | 1.75  | 1.94  | 1.70  | 1.62   | 1.58   | 1.54  | 2.01  | 2.57  | 2.29  | 1.91  | 1.88  | 1.56  | 1.44  | 1.23  |
|              | 5.38  | 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  |

