

Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Zonal Data

01/29/2016

| 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 | 22.71 | 20.13 | 18.23 | 18.26 | 19.54 | 22.11 | 26.94 | 29.28 | 28.18 | 27.08 | 26.39 | 25.48 | 24.54 | 24.17 | 23.27 | 23.65 | 28.18 | 39.00 | 37.47 | 31.02 | 26.99 | 24.00 | 22.66 | 22.10 |
| 61757 | 1.66 | 1.40 | 1.32 | 1.43 | 1.53 | 1.64 | 2.06 | 1.89 | 2.02 | 2.02 | 2.02 | 1.95 | 1.86 | 1.77 | 1.76 | 1.69 | 1.79 | 2.36 | 2.41 | 2.21 | 2.05 | 1.82 | 1.68 | 1.65 |
| | -1.57 | -1.63 | -1.16 | 0.00 | 0.00 | 0.00 | -0.05 | -3.45 | -1.76 | -0.76 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | -0.79 | -3.76 | -9.53 | -7.91 | -2.75 | -0.78 | 0.00 | -0.94 | -0.79 |
| CENTRL | 20.01 | 17.56 | 16.08 | 17.11 | 18.34 | 20.88 | 25.08 | 24.60 | 24.73 | 24.70 | 24.58 | 23.86 | 22.93 | 22.56 | 21.61 | 21.27 | 23.22 | 28.62 | 28.45 | 26.73 | 24.51 | 22.36 | 20.15 | 19.98 |
| 61754 | 0.31 | 0.24 | 0.17 | 0.29 | 0.32 | 0.41 | 0.25 | 0.19 | 0.10 | 0.12 | 0.22 | 0.33 | 0.25 | 0.16 | 0.11 | 0.00 | 0.07 | 0.19 | 0.22 | 0.29 | 0.24 | 0.18 | -0.02 | 0.22 |
| | -0.21 | -0.22 | -0.16 | 0.00 | 0.00 | 0.00 | -0.01 | -0.47 | -0.24 | -0.27 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.11 | -0.52 | -1.32 | -1.10 | -0.38 | -0.11 | 0.00 | -0.13 | -0.11 |
| DUNWOD | 22.91 | 20.31 | 18.41 | 18.71 | 20.03 | 22.67 | 27.85 | 29.67 | 28.97 | 28.30 | 27.61 | 26.66 | 25.60 | 25.29 | 24.26 | 24.47 | 28.54 | 38.06 | 36.79 | 31.61 | 27.96 | 24.95 | 23.13 | 22.58 |
| 61760 | 2.18 | 1.93 | 1.75 | 1.88 | 2.02 | 2.19 | 2.98 | 3.02 | 3.19 | 3.21 | 3.24 | 3.13 | 2.93 | 2.89 | 2.75 | 2.69 | 2.94 | 3.44 | 3.42 | 3.39 | 3.19 | 2.77 | 2.34 | 2.30 |
| | -1.24 | -1.29 | -0.91 | 0.00 | 0.00 | 0.00 | -0.04 | -2.71 | -1.39 | -0.79 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | -0.63 | -2.96 | -7.50 | -6.23 | -2.16 | -0.61 | 0.00 | -0.74 | -0.62 |
| GENESE | 19.27 | 16.86 | 15.45 | 16.53 | 17.72 | 20.17 | 24.02 | 23.50 | 23.53 | 23.57 | 23.49 | 22.89 | 21.91 | 21.57 | 20.69 | 20.28 | 22.21 | 27.23 | 27.11 | 25.49 | 23.32 | 21.38 | 19.24 | 19.24 |
| 61753 | -0.41 | -0.43 | -0.44 | -0.30 | -0.29 | -0.31 | -0.82 | -0.86 | -1.07 | -1.00 | -0.88 | -0.63 | -0.77 | -0.83 | -0.82 | -0.97 | -0.88 | -1.06 | -1.00 | -0.91 | -0.94 | -0.80 | -0.92 | -0.51 |
| | -0.19 | -0.20 | -0.14 | 0.00 | 0.00 | 0.00 | -0.01 | -0.42 | -0.21 | -0.26 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.10 | -0.46 | -1.17 | -0.98 | -0.34 | -0.10 | 0.00 | -0.12 | -0.10 |
| H Q | 11.58 | 10.27 | 10.29 | 10.26 | 12.16 | 12.16 | 12.16 | 23.20 | 23.37 | 23.55 | 23.52 | 22.70 | 20.71 | 20.73 | 20.65 | 20.55 | 21.93 | 26.27 | 26.30 | 23.96 | 22.92 | 21.49 | 19.48 | 12.16 |
| 61844 | -0.64 | -0.56 | -0.50 | -0.57 | -0.63 | -0.68 | -0.77 | -0.74 | -0.78 | -0.78 | -0.83 | -0.82 | -0.75 | -0.69 | -0.67 | -0.61 | -0.70 | -0.84 | -0.84 | -0.89 | -0.82 | -0.69 | -0.56 | -0.61 |
| | 7.26 | 6.26 | 4.95 | 6.00 | 5.22 | 7.64 | 11.90 | 0.00 | 0.24 | -0.03 | 0.00 | 0.00 | 1.22 | 0.97 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 1.22 | 0.42 | 0.00 | 0.00 | 6.88 |
| HUD VL | 22.84 | 20.27 | 18.36 | 18.68 | 19.98 | 22.62 | 27.77 | 29.58 | 28.84 | 28.16 | 27.47 | 26.49 | 25.44 | 25.13 | 24.13 | 24.34 | 28.38 | 37.94 | 36.67 | 31.50 | 27.84 | 24.86 | 23.06 | 22.49 |
| 61758 | 2.12 | 1.90 | 1.70 | 1.85 | 1.96 | 2.15 | 2.90 | 2.94 | 3.07 | 3.06 | 3.09 | 2.96 | 2.77 | 2.73 | 2.62 | 2.56 | 2.81 | 3.36 | 3.34 | 3.28 | 3.07 | 2.68 | 2.28 | 2.22 |
| | -1.23 | -1.28 | -0.91 | 0.00 | 0.00 | 0.00 | -0.04 | -2.70 | -1.38 | -0.79 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | -0.62 | -2.95 | -7.46 | -6.20 | -2.15 | -0.61 | 0.00 | -0.73 | -0.62 |
| LONGIL | 23.93 | 21.19 | 20.25 | 21.12 | 20.91 | 23.67 | 29.62 | 31.44 | 30.66 | 30.89 | 31.83 | 31.35 | 29.10 | 28.86 | 28.48 | 30.36 | 31.73 | 41.10 | 40.61 | 35.88 | 35.05 | 31.00 | 25.83 | 24.66 |
| 61762 | 3.20 | 2.79 | 2.49 | 2.69 | 2.88 | 3.19 | 4.27 | 4.19 | 4.37 | 4.25 | 4.21 | 4.07 | 3.86 | 3.81 | 3.61 | 3.55 | 3.87 | 4.69 | 4.64 | 4.53 | 4.20 | 3.68 | 3.25 | 3.28 |
| | -1.25 | -1.30 | -2.02 | -1.60 | -0.01 | 0.00 | -0.51 | -3.31 | -1.91 | -2.34 | -3.27 | -3.75 | -2.57 | -2.66 | -3.36 | -5.65 | -5.23 | -9.30 | -8.83 | -5.28 | -6.68 | -5.14 | -2.54 | -1.72 |
| MHK VL | 20.57 | 18.06 | 16.58 | 17.60 | 18.84 | 21.46 | 26.08 | 25.61 | 25.85 | 25.80 | 25.60 | 24.75 | 23.81 | 23.45 | 22.50 | 22.16 | 24.08 | 29.70 | 29.57 | 27.73 | 25.43 | 23.18 | 20.96 | 20.61 |
| 61756 | 0.86 | 0.73 | 0.66 | 0.77 | 0.83 | 0.98 | 1.24 | 1.20 | 1.22 | 1.19 | 1.24 | 1.22 | 1.13 | 1.05 | 0.99 | 0.89 | 0.95 | 1.33 | 1.38 | 1.30 | 1.16 | 1.00 | 0.78 | 0.84 |
| | -0.23 | -0.24 | -0.17 | 0.00 | 0.00 | 0.00 | -0.01 | -0.47 | -0.24 | -0.31 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.11 | -0.50 | -1.27 | -1.05 | -0.36 | -0.10 | 0.00 | -0.13 | -0.11 |
| MILLWD | 22.93 | 20.33 | 18.43 | 18.73 | 20.05 | 22.69 | 27.90 | 29.73 | 29.00 | 28.32 | 27.64 | 26.66 | 25.60 | 25.29 | 24.26 | 24.48 | 28.55 | 38.14 | 36.87 | 31.68 | 27.97 | 24.95 | 23.11 | 22.56 |
| 61759 | 2.20 | 1.95 | 1.76 | 1.90 | 2.03 | 2.21 | 3.03 | 3.07 | 3.22 | 3.23 | 3.26 | 3.13 | 2.93 | 2.89 | 2.75 | 2.69 | 2.94 | 3.50 | 3.47 | 3.44 | 3.19 | 2.77 | 2.32 | 2.28 |
| | -1.24 | -1.29 | -0.92 | 0.00 | 0.00 | 0.00 | -0.04 | -2.72 | -1.39 | -0.79 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | -0.63 | -2.98 | -7.53 | -6.25 | -2.17 | -0.61 | 0.00 | -0.74 | -0.63 |
| N.Y.C. | 23.08 | 20.47 | 18.53 | 18.85 | 20.15 | 22.77 | 28.05 | 29.84 | 29.17 | 28.52 | 27.86 | 26.87 | 25.83 | 25.49 | 24.45 | 24.66 | 28.74 | 38.25 | 36.98 | 31.80 | 28.16 | 25.13 | 23.29 | 22.75 |
| 61761 | 2.36 | 2.08 | 1.87 | 2.02 | 2.14 | 2.29 | 3.18 | 3.18 | 3.39 | 3.43 | 3.48 | 3.34 | 3.15 | 3.09 | 2.95 | 2.88 | 3.14 | 3.63 | 3.61 | 3.57 | 3.38 | 2.95 | 2.51 | 2.48 |
| | -1.24 | -1.29 | -0.91 | 0.00 | 0.00 | 0.00 | -0.04 | -2.71 | -1.39 | -0.79 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | -0.63 | -2.96 | -7.51 | -6.23 | -2.16 | -0.61 | 0.00 | -0.74 | -0.62 |
| NORTH | 18.57 | 16.29 | 15.05 | 16.00 | 17.11 | 19.59 | 23.96 | 23.03 | 23.37 | 23.26 | 23.21 | 22.33 | 21.68 | 21.52 | 20.67 | 20.40 | 21.75 | 26.03 | 26.03 | 24.87 | 23.00 | 21.32 | 19.38 | 18.83 |
| 61755 | -0.92 | -0.80 | -0.69 | -0.82 | -0.90 | -0.88 | -0.87 | -0.91 | -1.02 | -1.09 | -1.14 | -1.20 | -1.00 | -0.87 | -0.84 | -0.76 | -0.88 | -1.09 | -1.11 | -1.20 | -1.16 | -0.87 | -0.66 | -0.82 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -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 |
| NPX | 22.77 | 20.21 | 18.30 | 18.44 | 19.78 | 22.40 | 30.44 | 29.40 | 28.48 | 27.52 | 26.80 | 25.93 | 24.95 | 24.62 | 23.70 | 24.02 | 28.36 | 38.56 | 37.12 | 31.27 | 27.38 | 24.40 | 22.88 | 22.30 |
| 61845 | 1.85 | 1.62 | 1.50 | 1.62 | 1.77 | 1.92 | 2.46 | 2.32 | 2.49 | 2.45 | 2.43 | 2.40 | 2.27 | 2.22 | 2.19 | 2.14 | 2.31 | 2.79 | 2.80 | 2.71 | 2.51 | 2.22 | 1.98 | 1.93 |
| | -1.43 | -1.49 | -1.06 | 0.00 | 0.00 | 0.00 | -3.15 | -3.14 | -1.60 | -0.77 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | -0.72 | -3.42 | -8.66 | -7.19 | -2.49 | -0.70 | 0.00 | -0.85 | -0.72 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH 61846 | 18.90 | 16.55 | 15.18 | 16.22 | 17.35 | 19.74 | 23.00 | 21.20 | 20.90 | 20.00 | 19.34 | 18.73 | 17.55 | 17.58 | 17.00 | 17.00 | 21.05 | 26.18 | 25.94 | 24.44 | 22.39 | 20.56 | 18.46 | 18.75 |
| | -0.82 | -0.79 | -0.74 | -0.61 | -0.67 | -0.74 | -1.84 | -2.06 | -2.27 | -2.21 | -2.02 | -1.69 | -1.75 | -1.81 | -1.72 | -1.88 | -1.97 | -2.36 | -2.39 | -2.03 | -1.88 | -1.62 | -1.72 | -1.02 |
| | -0.23 | -0.24 | -0.17 | 0.00 | 0.00 | 0.00 | -0.01 | 0.68 | 1.22 | 2.09 | 2.99 | 3.10 | 3.38 | 3.00 | 2.78 | 2.28 | -0.39 | -1.43 | -1.19 | -0.41 | -0.12 | 0.00 | -0.14 | -0.12 |
| PJM 61847 | 21.34 | 18.87 | 17.17 | 17.77 | 19.00 | 21.56 | 26.10 | 26.96 | 26.51 | 26.09 | 25.63 | 24.85 | 23.86 | 23.52 | 22.58 | 22.56 | 26.46 | 32.79 | 32.48 | 29.07 | 25.93 | 23.36 | 21.41 | 21.16 |
| | 1.01 | 0.91 | 0.80 | 0.94 | 0.99 | 1.08 | 1.24 | 1.17 | 1.17 | 1.19 | 1.27 | 1.32 | 1.18 | 1.12 | 1.07 | 0.97 | 1.13 | 1.25 | 1.22 | 1.41 | 1.35 | 1.17 | 0.86 | 1.08 |
| | -0.84 | -0.88 | -0.62 | 0.00 | 0.00 | 0.00 | -0.03 | -1.85 | -0.94 | -0.60 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | -0.43 | -2.70 | -4.43 | -4.11 | -1.60 | -0.42 | 0.00 | -0.50 | -0.42 |
| WEST 61752 | 19.21 | 16.82 | 15.40 | 16.49 | 17.63 | 20.11 | 23.42 | 22.81 | 22.77 | 22.78 | 22.78 | 22.28 | 21.36 | 20.99 | 20.17 | 19.75 | 21.56 | 26.59 | 26.35 | 24.88 | 22.78 | 20.89 | 18.72 | 19.04 |
| | -0.51 | -0.51 | -0.52 | -0.34 | -0.38 | -0.37 | -1.41 | -1.63 | -1.88 | -1.80 | -1.58 | -1.25 | -1.32 | -1.41 | -1.33 | -1.52 | -1.63 | -1.92 | -1.95 | -1.59 | -1.50 | -1.29 | -1.46 | -0.73 |
| | -0.23 | -0.24 | -0.17 | 0.00 | 0.00 | 0.00 | -0.01 | -0.50 | -0.26 | -0.28 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.11 | -0.56 | -1.41 | -1.17 | -0.41 | -0.11 | 0.00 | -0.14 | -0.12 |