

Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Zonal Data

11/10/2016

| 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 61757 | 17.97 | 17.62 | 16.51 | 16.68 | 16.16 | 17.30 | 25.43 | 25.57 | 25.07 | 24.59 | 23.78 | 21.62 | 19.70 | 19.60 | 19.47 | 19.45 | 24.66 | 29.16 | 30.15 | 23.88 | 20.51 | 21.48 | 18.86 | 21.82 |
| | 0.91 | 0.88 | 0.76 | 0.80 | 0.87 | 0.99 | 1.51 | 1.61 | 1.69 | 1.65 | 1.58 | 1.43 | 1.30 | 1.26 | 1.26 | 1.27 | 1.53 | 1.94 | 2.00 | 1.54 | 1.31 | 1.13 | 0.89 | 0.56 |
| | -2.65 | -3.06 | -3.92 | -3.70 | -2.18 | -1.08 | 0.00 | 0.00 | -0.22 | -0.31 | -0.29 | -0.37 | -0.39 | -0.86 | -0.94 | -0.52 | -1.20 | -1.08 | -0.68 | -0.61 | -0.52 | -3.19 | -4.45 | -11.77 |
| CENTRL 61754 | 14.84 | 14.10 | 12.34 | 12.66 | 13.51 | 15.63 | 24.60 | 25.64 | 23.89 | 23.43 | 22.77 | 20.78 | 18.65 | 18.19 | 17.93 | 18.03 | 22.60 | 27.67 | 28.83 | 22.63 | 19.06 | 17.71 | 14.20 | 10.84 |
| | 0.17 | 0.12 | 0.12 | 0.12 | 0.18 | 0.29 | 0.62 | 0.55 | 0.39 | 0.43 | 0.46 | 0.40 | 0.34 | 0.37 | 0.36 | 0.37 | 0.46 | 0.57 | 0.74 | 0.61 | 0.37 | 0.26 | 0.23 | 0.17 |
| | -0.26 | -0.30 | -0.39 | -0.36 | -0.21 | -0.11 | -0.06 | -1.12 | -0.34 | -0.36 | -0.39 | -0.56 | -0.30 | -0.35 | -0.30 | -0.01 | -0.21 | -0.94 | -0.62 | -0.29 | 0.00 | -0.29 | -0.45 | -1.18 |
| DUNWOD 61760 | 17.92 | 17.38 | 15.95 | 16.13 | 16.08 | 17.64 | 26.62 | 26.87 | 29.31 | 29.84 | 28.85 | 27.63 | 25.82 | 25.04 | 23.90 | 27.28 | 36.89 | 44.46 | 40.52 | 33.08 | 28.34 | 24.88 | 18.22 | 18.89 |
| | 1.60 | 1.50 | 1.30 | 1.30 | 1.40 | 1.63 | 2.70 | 2.90 | 3.08 | 2.99 | 2.94 | 2.70 | 2.45 | 2.39 | 2.33 | 2.44 | 3.00 | 3.48 | 3.71 | 3.00 | 2.56 | 2.23 | 1.50 | 0.95 |
| | -1.91 | -2.20 | -2.82 | -2.66 | -1.57 | -0.78 | 0.00 | 0.00 | -3.08 | -4.22 | -4.00 | -5.11 | -5.36 | -5.17 | -4.30 | -7.19 | -11.97 | -14.84 | -9.34 | -8.35 | -7.09 | -5.49 | -3.19 | -8.45 |
| GENESE 61753 | 14.35 | 13.56 | 11.85 | 12.20 | 13.08 | 15.26 | 24.23 | 26.15 | 23.45 | 22.94 | 22.38 | 20.69 | 18.40 | 17.96 | 17.68 | 17.49 | 22.16 | 27.98 | 28.83 | 22.50 | 18.62 | 17.09 | 13.83 | 10.43 |
| | -0.27 | -0.36 | -0.30 | -0.27 | -0.21 | -0.06 | 0.17 | -0.10 | -0.39 | -0.43 | -0.33 | -0.28 | -0.25 | -0.19 | -0.19 | -0.18 | -0.15 | -0.08 | 0.11 | 0.17 | -0.07 | -0.31 | -0.05 | -0.01 |
| | -0.21 | -0.24 | -0.31 | -0.29 | -0.17 | -0.09 | -0.13 | -2.27 | -0.69 | -0.74 | -0.80 | -1.14 | -0.65 | -0.67 | -0.60 | -0.02 | -0.39 | -1.91 | -1.25 | -0.59 | 0.00 | -0.24 | -0.36 | -0.95 |
| H Q 61844 | 13.96 | 13.28 | 11.48 | 11.82 | 12.71 | 14.73 | 23.11 | 23.15 | 22.32 | 21.80 | 21.06 | 19.05 | 17.31 | 16.78 | 16.58 | 16.93 | 21.04 | 25.10 | 26.29 | 20.78 | 17.96 | 16.52 | 13.05 | 9.19 |
| | -0.45 | -0.40 | -0.35 | -0.35 | -0.41 | -0.50 | -0.81 | -0.81 | -0.83 | -0.84 | -0.85 | -0.77 | -0.70 | -0.70 | -0.69 | -0.72 | -0.88 | -1.05 | -1.18 | -0.96 | -0.73 | -0.63 | -0.47 | -0.30 |
| | 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 61758 | 17.80 | 17.28 | 15.87 | 16.06 | 15.98 | 17.54 | 26.51 | 26.70 | 28.63 | 29.00 | 28.02 | 26.62 | 24.80 | 24.11 | 23.13 | 26.00 | 34.95 | 42.05 | 38.94 | 31.64 | 27.07 | 24.17 | 18.07 | 18.78 |
| | 1.50 | 1.42 | 1.24 | 1.25 | 1.31 | 1.54 | 2.58 | 2.73 | 2.85 | 2.76 | 2.69 | 2.44 | 2.21 | 2.17 | 2.12 | 2.21 | 2.78 | 3.27 | 3.52 | 2.80 | 2.34 | 2.04 | 1.38 | 0.90 |
| | -1.89 | -2.18 | -2.80 | -2.64 | -1.55 | -0.77 | 0.00 | 0.00 | -2.63 | -3.60 | -3.41 | -4.36 | -4.58 | -4.47 | -3.73 | -6.14 | -10.25 | -12.63 | -7.95 | -7.11 | -6.04 | -4.97 | -3.17 | -8.39 |
| LONGIL 61762 | 18.48 | 17.93 | 16.40 | 16.57 | 16.56 | 18.25 | 27.60 | 27.80 | 30.17 | 30.77 | 29.81 | 28.48 | 26.73 | 25.87 | 24.92 | 28.32 | 37.79 | 45.43 | 41.76 | 38.74 | 33.35 | 27.78 | 25.64 | 20.89 |
| | 2.15 | 2.05 | 1.75 | 1.74 | 1.88 | 2.22 | 3.68 | 3.83 | 3.94 | 3.92 | 3.90 | 3.55 | 3.21 | 3.11 | 3.04 | 3.16 | 3.88 | 4.45 | 4.94 | 3.96 | 3.35 | 2.87 | 1.88 | 1.24 |
| | -1.92 | -2.20 | -2.82 | -2.66 | -1.57 | -0.79 | 0.00 | 0.00 | -3.08 | -4.22 | -4.00 | -5.11 | -5.52 | -5.28 | -4.60 | -7.51 | -11.99 | -14.84 | -9.34 | -13.05 | -11.31 | -7.76 | -10.24 | -10.16 |
| MHK VL 61756 | 15.05 | 14.34 | 12.53 | 12.86 | 13.71 | 15.78 | 24.78 | 24.88 | 24.11 | 23.65 | 22.85 | 20.69 | 18.76 | 18.16 | 17.92 | 18.36 | 23.05 | 27.54 | 28.77 | 22.65 | 19.44 | 17.95 | 14.21 | 10.72 |
| | 0.39 | 0.37 | 0.33 | 0.34 | 0.39 | 0.44 | 0.86 | 0.91 | 0.81 | 0.81 | 0.75 | 0.63 | 0.50 | 0.42 | 0.41 | 0.37 | 0.55 | 0.76 | 0.91 | 0.56 | 0.45 | 0.39 | 0.30 | 0.20 |
| | -0.25 | -0.29 | -0.37 | -0.35 | -0.21 | -0.10 | 0.00 | 0.00 | -0.14 | -0.20 | -0.19 | -0.24 | -0.25 | -0.27 | -0.24 | -0.34 | -0.58 | -0.63 | -0.40 | -0.35 | -0.30 | -0.40 | -0.39 | -1.03 |
| MILLWD 61759 | 17.90 | 17.40 | 15.99 | 16.18 | 16.10 | 17.66 | 26.65 | 26.89 | 29.33 | 29.85 | 28.79 | 27.52 | 25.68 | 24.93 | 23.80 | 27.17 | 36.77 | 44.36 | 40.46 | 33.00 | 28.24 | 24.84 | 18.21 | 18.96 |
| | 1.57 | 1.50 | 1.31 | 1.33 | 1.40 | 1.65 | 2.73 | 2.92 | 3.12 | 3.03 | 2.91 | 2.64 | 2.36 | 2.32 | 2.26 | 2.38 | 2.98 | 3.51 | 3.74 | 3.00 | 2.52 | 2.20 | 1.46 | 0.93 |
| | -1.92 | -2.22 | -2.84 | -2.68 | -1.58 | -0.78 | 0.00 | 0.00 | -3.05 | -4.18 | -3.96 | -5.07 | -5.32 | -5.13 | -4.27 | -7.13 | -11.86 | -14.70 | -9.25 | -8.27 | -7.03 | -5.48 | -3.22 | -8.54 |
| N.Y.C. 61761 | 18.03 | 17.48 | 16.02 | 16.20 | 16.16 | 17.73 | 26.69 | 27.06 | 29.52 | 30.05 | 29.06 | 27.83 | 26.00 | 25.22 | 24.06 | 27.46 | 37.02 | 44.62 | 40.65 | 33.25 | 28.51 | 25.07 | 18.39 | 18.99 |
| | 1.71 | 1.60 | 1.37 | 1.37 | 1.48 | 1.72 | 2.77 | 3.09 | 3.29 | 3.19 | 3.16 | 2.89 | 2.63 | 2.57 | 2.49 | 2.61 | 3.13 | 3.63 | 3.85 | 3.17 | 2.73 | 2.42 | 1.68 | 1.04 |
| | -1.91 | -2.20 | -2.82 | -2.66 | -1.57 | -0.78 | 0.00 | 0.00 | -3.08 | -4.22 | -4.00 | -5.11 | -5.36 | -5.17 | -4.30 | -7.19 | -11.96 | -14.83 | -9.34 | -8.34 | -7.09 | -5.49 | -3.19 | -8.45 |
| NORTH 61755 | 13.81 | 13.16 | 11.36 | 11.71 | 12.54 | 14.44 | 22.75 | 22.82 | 21.88 | 21.28 | 20.51 | 18.53 | 16.80 | 16.22 | 16.06 | 16.27 | 20.30 | 24.40 | 25.36 | 20.04 | 17.49 | 16.16 | 12.82 | 9.03 |
| | -0.60 | -0.52 | -0.47 | -0.46 | -0.58 | -0.79 | -1.17 | -1.15 | -1.27 | -1.36 | -1.40 | -1.29 | -1.21 | -1.26 | -1.21 | -1.38 | -1.62 | -1.75 | -2.11 | -1.70 | -1.20 | -1.00 | -0.70 | -0.46 |
| | 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 | 18.06 | 17.60 | 16.30 | 16.47 | 17.29 | 19.73 | 28.44 | 26.41 | 27.74 | 28.00 | 27.07 | 25.49 | 23.64 | 23.12 | 22.36 | 24.49 | 32.57 | 39.10 | 36.89 | 29.83 | 25.58 | 23.79 | 18.60 | 20.27 |
| | 1.41 | 1.34 | 1.16 | 1.18 | 1.27 | 1.48 | 2.39 | 2.45 | 2.52 | 2.53 | 2.48 | 2.24 | 2.03 | 1.99 | 1.97 | 2.01 | 2.50 | 3.01 | 3.16 | 2.50 | 2.13 | 1.89 | 1.33 | 0.86 |
| | -2.24 | -2.58 | -3.31 | -3.12 | -2.90 | -3.02 | -2.13 | 0.00 | -2.06 | -2.83 | -2.68 | -3.43 | -3.60 | -3.65 | -3.12 | -4.82 | -8.15 | -9.95 | -6.26 | -5.60 | -4.76 | -4.75 | -3.75 | -9.92 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| OH 61846 | 14.30 | 13.56 | 11.89 | 12.17 | 12.99 | 15.10 | 22.66 | 21.82 | 21.86 | 21.43 | 20.87 | 18.60 | 16.87 | 16.56 | 16.10 | 17.54 | 21.35 | 24.39 | 26.26 | 21.36 | 18.49 | 17.06 | 13.80 | 10.75 |
| | -0.39 | -0.44 | -0.35 | -0.39 | -0.35 | -0.24 | -0.14 | -0.55 | -0.81 | -0.68 | -0.48 | -0.42 | -0.31 | -0.23 | -0.23 | -0.11 | -0.35 | -0.42 | -0.33 | 0.04 | -0.21 | -0.41 | -0.20 | -0.01 |
| | -0.28 | -0.32 | -0.41 | -0.39 | -0.23 | -0.11 | 1.12 | 1.60 | 0.48 | 0.53 | 0.56 | 0.80 | 0.83 | 0.69 | 0.95 | 0.01 | 0.22 | 1.34 | 0.88 | 0.41 | 0.00 | -0.32 | -0.48 | -1.27 |
| PJM 61847 | 16.04 | 15.41 | 13.85 | 14.09 | 14.51 | 16.36 | 25.22 | 26.38 | 26.00 | 26.05 | 25.33 | 23.77 | 21.64 | 21.10 | 20.34 | 21.94 | 28.73 | 35.14 | 33.95 | 27.24 | 22.97 | 20.74 | 15.92 | 14.60 |
| | 0.59 | 0.53 | 0.49 | 0.47 | 0.54 | 0.70 | 1.27 | 1.20 | 1.13 | 1.18 | 1.25 | 1.11 | 1.04 | 1.07 | 1.02 | 1.13 | 1.36 | 1.49 | 1.73 | 1.54 | 1.18 | 0.94 | 0.65 | 0.47 |
| | -1.04 | -1.20 | -1.54 | -1.45 | -0.85 | -0.42 | -0.03 | -1.21 | -1.71 | -2.23 | -2.17 | -2.84 | -2.59 | -2.56 | -2.05 | -3.15 | -5.45 | -7.50 | -4.75 | -3.96 | -3.10 | -2.64 | -1.75 | -4.63 |
| WEST 61752 | 14.60 | 13.83 | 12.10 | 12.39 | 13.24 | 15.46 | 25.57 | 38.00 | 27.25 | 27.17 | 27.00 | 27.00 | 22.57 | 22.00 | 21.56 | 18.26 | 24.48 | 38.18 | 35.59 | 26.10 | 19.06 | 17.49 | 14.12 | 10.91 |
| | -0.07 | -0.15 | -0.12 | -0.15 | -0.09 | 0.12 | 0.69 | 0.22 | -0.09 | 0.05 | 0.24 | 0.24 | 0.31 | 0.38 | 0.36 | 0.51 | 0.33 | 0.44 | 0.52 | 0.78 | 0.37 | 0.03 | 0.15 | 0.22 |
| | -0.26 | -0.30 | -0.39 | -0.37 | -0.22 | -0.11 | -0.95 | -13.82 | -4.19 | -4.49 | -4.85 | -6.94 | -4.26 | -4.14 | -3.92 | -0.09 | -2.23 | -11.59 | -7.60 | -3.59 | 0.00 | -0.30 | -0.45 | -1.20 |