

Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Zonal Data

10/21/2016

| 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 | 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 | 18.97 | 18.48 | 15.72 | 17.30 | 16.25 | 17.05 | 22.34 | 22.43 | 22.94 | 24.36 | 25.70 | 25.73 | 24.86 | 25.30 | 24.43 | 24.20 | 24.03 | 24.56 | 26.97 | 25.84 | 23.76 | 21.16 | 18.52 | 19.12 |
| 61757 | 0.65 | 0.63 | 0.61 | 0.65 | 0.58 | 0.58 | 0.78 | 0.74 | 0.73 | 0.76 | 0.82 | 0.82 | 0.70 | 0.86 | 0.85 | 0.86 | 0.90 | 0.88 | 0.94 | 0.85 | 0.78 | 0.66 | 0.61 | 0.68 |
| | -1.96 | -2.76 | -0.61 | -1.49 | 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 |
| CENTRL | 16.52 | 15.31 | 14.54 | 15.26 | 15.67 | 16.54 | 21.76 | 22.01 | 22.96 | 24.93 | 26.41 | 26.40 | 25.59 | 25.75 | 24.51 | 24.14 | 23.13 | 23.77 | 26.27 | 25.27 | 23.05 | 20.51 | 17.88 | 18.42 |
| 61754 | -0.02 | -0.03 | -0.01 | -0.03 | 0.00 | 0.07 | 0.19 | 0.17 | 0.22 | 0.26 | 0.13 | 0.10 | 0.19 | 0.07 | 0.05 | 0.02 | 0.00 | 0.10 | 0.23 | 0.20 | 0.07 | 0.00 | -0.04 | -0.02 |
| | -0.18 | -0.25 | -0.06 | -0.14 | 0.00 | 0.00 | 0.00 | -0.14 | -0.53 | -1.07 | -1.40 | -1.39 | -1.24 | -1.23 | -0.88 | -0.78 | 0.00 | 0.00 | 0.00 | -0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| DUNWOD | 18.88 | 18.06 | 15.92 | 17.22 | 16.65 | 17.53 | 22.75 | 23.04 | 23.70 | 25.14 | 26.63 | 26.70 | 25.85 | 26.23 | 25.36 | 25.14 | 24.93 | 25.38 | 27.81 | 26.69 | 24.70 | 22.15 | 19.26 | 19.77 |
| 61760 | 1.16 | 1.06 | 1.00 | 1.03 | 0.99 | 1.06 | 1.19 | 1.35 | 1.49 | 1.53 | 1.74 | 1.79 | 1.69 | 1.78 | 1.77 | 1.80 | 1.81 | 1.71 | 1.77 | 1.70 | 1.72 | 1.64 | 1.34 | 1.33 |
| | -1.36 | -1.92 | -0.43 | -1.03 | 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 |
| GENESE | 16.15 | 14.95 | 14.21 | 14.89 | 15.32 | 16.24 | 21.48 | 21.32 | 21.51 | 22.47 | 23.16 | 23.09 | 22.71 | 22.80 | 22.24 | 21.99 | 22.46 | 23.21 | 25.67 | 24.60 | 22.57 | 19.99 | 17.47 | 18.07 |
| 61753 | -0.36 | -0.35 | -0.33 | -0.38 | -0.34 | -0.23 | -0.09 | -0.26 | -0.27 | -0.26 | -0.57 | -0.67 | -0.43 | -0.64 | -0.61 | -0.70 | -0.67 | -0.47 | -0.36 | -0.33 | -0.41 | -0.51 | -0.45 | -0.37 |
| | -0.15 | -0.21 | -0.05 | -0.11 | 0.00 | 0.00 | 0.00 | 0.12 | 0.44 | 0.88 | 1.15 | 1.14 | 1.02 | 1.01 | 0.73 | 0.65 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| H Q | 3.00 | 2.89 | 2.52 | 2.70 | 2.54 | 2.77 | 3.29 | 4.33 | 3.39 | 3.59 | 5.08 | 5.08 | 5.06 | 3.74 | 3.64 | 3.62 | 3.61 | 5.00 | 4.15 | 3.99 | 5.05 | 3.28 | 2.93 | 3.05 |
| 61844 | 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 |
| | 13.35 | 12.20 | 11.97 | 12.46 | 13.12 | 13.70 | 18.27 | 17.36 | 18.82 | 20.01 | 19.81 | 19.83 | 19.10 | 20.70 | 19.95 | 19.71 | 19.51 | 18.68 | 21.88 | 21.00 | 17.93 | 17.23 | 14.98 | 15.39 |
| HUD VL | 18.80 | 18.01 | 15.89 | 17.20 | 16.62 | 17.46 | 22.73 | 22.95 | 23.59 | 24.95 | 26.43 | 26.50 | 25.66 | 26.03 | 25.17 | 24.95 | 24.79 | 25.27 | 27.73 | 26.64 | 24.61 | 22.04 | 19.19 | 19.73 |
| 61758 | 1.10 | 1.03 | 0.97 | 1.02 | 0.96 | 0.99 | 1.16 | 1.26 | 1.38 | 1.34 | 1.54 | 1.60 | 1.50 | 1.59 | 1.58 | 1.61 | 1.67 | 1.59 | 1.69 | 1.65 | 1.63 | 1.54 | 1.27 | 1.29 |
| | -1.35 | -1.90 | -0.42 | -1.02 | 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 |
| LONGIL | 18.98 | 18.05 | 15.94 | 17.17 | 16.61 | 17.67 | 23.48 | 23.51 | 24.14 | 25.71 | 27.40 | 27.52 | 26.79 | 27.03 | 26.34 | 26.09 | 25.86 | 26.36 | 30.26 | 32.21 | 27.68 | 22.88 | 19.44 | 19.77 |
| 61762 | 1.26 | 1.04 | 1.01 | 0.98 | 0.94 | 1.20 | 1.92 | 1.82 | 1.93 | 2.10 | 2.51 | 2.61 | 2.61 | 2.59 | 2.73 | 2.73 | 2.70 | 2.67 | 2.76 | 2.68 | 2.60 | 2.36 | 1.52 | 1.33 |
| | -1.36 | -1.92 | -0.43 | -1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.02 | 0.00 | -0.02 | -0.02 | -0.02 | -0.01 | -1.47 | -4.54 | -2.11 | -0.02 | 0.00 | 0.00 |
| MHK VL | 16.42 | 15.16 | 14.50 | 15.21 | 15.71 | 16.62 | 22.04 | 22.10 | 22.61 | 24.10 | 25.31 | 25.33 | 24.55 | 24.76 | 23.87 | 23.43 | 23.17 | 23.85 | 26.37 | 25.24 | 23.10 | 20.55 | 17.84 | 18.40 |
| 61756 | 0.00 | -0.02 | -0.01 | 0.00 | 0.05 | 0.15 | 0.47 | 0.41 | 0.40 | 0.50 | 0.42 | 0.42 | 0.39 | 0.32 | 0.28 | 0.09 | 0.05 | 0.17 | 0.34 | 0.25 | 0.12 | 0.04 | -0.07 | -0.04 |
| | -0.06 | -0.09 | -0.02 | -0.05 | 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 |
| MILLWD | 18.85 | 18.06 | 15.92 | 17.23 | 16.64 | 17.48 | 22.73 | 23.04 | 23.70 | 25.14 | 26.60 | 26.70 | 25.83 | 26.20 | 25.33 | 25.14 | 24.93 | 25.38 | 27.83 | 26.71 | 24.68 | 22.09 | 19.21 | 19.71 |
| 61759 | 1.13 | 1.04 | 1.00 | 1.03 | 0.97 | 1.00 | 1.16 | 1.35 | 1.49 | 1.53 | 1.72 | 1.79 | 1.67 | 1.76 | 1.75 | 1.80 | 1.81 | 1.71 | 1.79 | 1.72 | 1.70 | 1.58 | 1.29 | 1.27 |
| | -1.37 | -1.93 | -0.43 | -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 |
| N.Y.C. | 19.01 | 18.15 | 16.01 | 17.30 | 16.73 | 17.59 | 22.75 | 23.10 | 23.81 | 25.28 | 26.77 | 26.85 | 26.00 | 26.37 | 25.49 | 25.25 | 25.04 | 25.45 | 27.88 | 26.79 | 24.80 | 22.25 | 19.37 | 19.88 |
| 61761 | 1.29 | 1.15 | 1.09 | 1.11 | 1.07 | 1.12 | 1.19 | 1.41 | 1.60 | 1.68 | 1.89 | 1.94 | 1.84 | 1.93 | 1.91 | 1.91 | 1.92 | 1.78 | 1.85 | 1.80 | 1.82 | 1.74 | 1.45 | 1.44 |
| | -1.36 | -1.92 | -0.43 | -1.03 | 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 |
| NORTH | 0.35 | 0.33 | 0.31 | 0.35 | 0.36 | 0.46 | 0.60 | 1.63 | 0.54 | 0.67 | 2.00 | 2.02 | 2.02 | 0.64 | 0.62 | 0.59 | 0.61 | 2.00 | 0.92 | 0.79 | 2.02 | 0.51 | 0.40 | 0.47 |
| 61755 | -2.58 | -2.38 | -2.29 | -2.33 | -2.35 | -2.49 | -2.93 | -2.93 | -3.09 | -3.19 | -3.33 | -3.31 | -3.29 | -3.37 | -3.28 | -3.29 | -3.26 | -3.24 | -3.52 | -3.47 | -3.26 | -2.99 | -2.72 | -2.78 |
| | 13.42 | 12.38 | 11.89 | 12.48 | 12.95 | 13.53 | 18.04 | 17.13 | 18.58 | 19.75 | 19.55 | 19.58 | 18.86 | 20.43 | 19.69 | 19.46 | 19.26 | 18.44 | 21.60 | 20.73 | 17.70 | 17.00 | 14.79 | 15.19 |
| NPX | 19.14 | 18.43 | 17.00 | 17.45 | 17.72 | 19.53 | 24.93 | 23.42 | 23.61 | 25.00 | 26.43 | 26.48 | 25.59 | 26.03 | 25.17 | 25.02 | 24.84 | 26.05 | 32.00 | 30.00 | 24.67 | 21.94 | 19.15 | 20.05 |
| 61845 | 1.16 | 1.06 | 1.01 | 1.06 | 1.00 | 1.06 | 1.23 | 1.35 | 1.40 | 1.39 | 1.54 | 1.57 | 1.43 | 1.59 | 1.58 | 1.68 | 1.71 | 1.66 | 1.74 | 1.67 | 1.63 | 1.43 | 1.24 | 1.31 |
| | -1.62 | -2.29 | -1.49 | -1.23 | -1.05 | -2.00 | -2.14 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.71 | -4.22 | -3.33 | -0.06 | 0.00 | 0.00 | -0.30 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH 61846 | 16.20 | 15.11 | 14.30 | 14.95 | 15.11 | 16.21 | 19.29 | 20.70 | 20.41 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 20.50 | 21.52 | 25.33 | 24.05 | 21.40 | 19.77 | 17.29 | 17.50 |
| | -0.36 | -0.27 | -0.26 | -0.36 | -0.36 | -0.26 | -0.22 | -0.58 | -0.49 | -0.47 | -0.87 | -0.97 | -0.60 | -0.90 | -0.83 | -0.84 | -0.93 | -0.88 | -0.70 | -0.75 | -0.85 | -0.74 | -0.63 | -0.42 |
| | -0.21 | -0.29 | -0.06 | -0.16 | 0.20 | 0.00 | 2.06 | 0.41 | 1.31 | 2.64 | 3.51 | 3.44 | 3.06 | 3.04 | 2.26 | 2.00 | 1.70 | 1.29 | 0.00 | 0.20 | 0.73 | 0.00 | 0.00 | 0.52 |
| PJM 61847 | 17.50 | 16.53 | 15.12 | 16.08 | 16.01 | 16.90 | 22.10 | 22.32 | 23.47 | 25.64 | 27.29 | 27.27 | 26.42 | 26.60 | 25.27 | 24.90 | 23.59 | 24.11 | 26.66 | 25.67 | 23.46 | 20.98 | 18.29 | 18.90 |
| | 0.41 | 0.41 | 0.39 | 0.36 | 0.34 | 0.43 | 0.54 | 0.43 | 0.53 | 0.57 | 0.47 | 0.45 | 0.56 | 0.46 | 0.47 | 0.49 | 0.46 | 0.43 | 0.62 | 0.58 | 0.48 | 0.47 | 0.38 | 0.46 |
| | -0.73 | -1.03 | -0.23 | -0.56 | 0.00 | 0.00 | 0.00 | -0.19 | -0.73 | -1.47 | -1.93 | -1.91 | -1.70 | -1.69 | -1.21 | -1.07 | 0.00 | 0.00 | 0.00 | -0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| WEST 61752 | 16.52 | 15.41 | 14.59 | 15.25 | 15.64 | 16.60 | 21.97 | 22.99 | 27.00 | 33.10 | 36.88 | 36.67 | 35.00 | 34.90 | 31.50 | 30.31 | 22.85 | 23.47 | 26.06 | 25.66 | 22.75 | 20.32 | 17.75 | 18.48 |
| | -0.03 | 0.05 | 0.03 | -0.06 | -0.03 | 0.13 | 0.41 | 0.09 | 0.22 | 0.28 | -0.12 | -0.25 | 0.15 | -0.17 | -0.09 | -0.12 | -0.28 | -0.21 | 0.03 | -0.02 | -0.23 | -0.18 | -0.16 | 0.04 |
| | -0.20 | -0.28 | -0.06 | -0.15 | 0.00 | 0.00 | 0.00 | -1.21 | -4.57 | -9.21 | -12.12 | -12.01 | -10.69 | -10.62 | -8.01 | -7.09 | 0.00 | 0.00 | 0.00 | -0.69 | 0.00 | 0.00 | 0.00 | 0.00 |