

Day Ahead Market Zonal LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Zonal Data

11/08/2016

| 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 | 15.21 | 15.35 | 15.36 | 15.37 | 14.94 | 16.58 | 27.92 | 27.82 | 27.38 | 26.52 | 26.83 | 25.24 | 22.57 | 22.36 | 22.04 | 21.89 | 25.90 | 36.54 | 33.82 | 26.09 | 22.30 | 20.33 | 19.43 | 16.18 |
| 61757 | 0.95 | 0.78 | 0.74 | 0.79 | 0.91 | 1.07 | 1.95 | 1.87 | 1.85 | 1.79 | 1.78 | 1.61 | 1.49 | 1.47 | 1.43 | 1.39 | 1.59 | 2.29 | 2.07 | 1.57 | 1.39 | 1.35 | 1.18 | 1.03 |
| | -0.68 | -3.59 | -4.20 | -3.65 | -1.36 | -1.01 | 0.00 | 0.00 | -0.12 | -0.13 | 0.00 | 0.00 | -0.11 | -0.18 | -0.12 | -0.35 | -0.59 | -0.52 | -0.43 | -0.43 | -0.46 | -0.23 | -2.94 | -0.07 |
| CENTRL | 13.84 | 11.47 | 10.97 | 11.42 | 13.00 | 14.85 | 26.59 | 26.68 | 26.02 | 25.53 | 26.23 | 24.72 | 21.56 | 21.41 | 21.00 | 20.67 | 24.44 | 35.00 | 32.58 | 24.98 | 21.04 | 19.13 | 15.85 | 15.41 |
| 61754 | 0.19 | 0.13 | 0.13 | 0.13 | 0.19 | 0.25 | 0.62 | 0.73 | 0.61 | 0.64 | 0.70 | 0.69 | 0.54 | 0.56 | 0.51 | 0.52 | 0.71 | 1.25 | 1.22 | 0.84 | 0.59 | 0.37 | 0.24 | 0.32 |
| | -0.07 | -0.36 | -0.42 | -0.36 | -0.14 | -0.10 | 0.00 | 0.00 | 0.00 | -0.29 | -0.48 | -0.41 | -0.05 | -0.14 | 0.00 | 0.00 | 0.00 | -0.03 | -0.03 | -0.03 | 0.00 | 0.00 | -0.29 | -0.01 |
| DUNWOD | 15.65 | 14.83 | 14.65 | 14.81 | 15.09 | 16.88 | 28.95 | 29.07 | 30.26 | 29.50 | 28.21 | 26.61 | 25.14 | 25.83 | 24.75 | 27.52 | 34.78 | 44.99 | 40.87 | 32.92 | 29.42 | 24.38 | 19.35 | 16.91 |
| 61760 | 1.59 | 1.27 | 1.21 | 1.26 | 1.44 | 1.65 | 2.99 | 3.11 | 3.18 | 3.10 | 3.16 | 2.98 | 2.66 | 2.65 | 2.58 | 2.54 | 2.94 | 4.08 | 3.76 | 3.04 | 2.62 | 2.51 | 1.93 | 1.78 |
| | -0.49 | -2.58 | -3.02 | -2.62 | -0.98 | -0.72 | 0.00 | 0.00 | -1.67 | -1.80 | 0.00 | 0.00 | -1.51 | -2.47 | -1.69 | -4.83 | -8.12 | -7.19 | -5.78 | -5.78 | -6.35 | -3.12 | -2.11 | -0.05 |
| GENESE | 13.43 | 11.07 | 10.55 | 11.00 | 12.60 | 14.52 | 26.36 | 26.43 | 25.54 | 25.22 | 26.01 | 24.49 | 21.07 | 21.08 | 20.55 | 20.17 | 24.03 | 34.64 | 32.18 | 24.31 | 20.47 | 18.47 | 15.23 | 15.00 |
| 61753 | -0.20 | -0.20 | -0.21 | -0.22 | -0.18 | -0.06 | 0.39 | 0.47 | 0.13 | -0.02 | -0.10 | -0.05 | 0.00 | 0.06 | 0.06 | 0.02 | 0.31 | 0.84 | 0.78 | 0.15 | 0.02 | -0.28 | -0.32 | -0.09 |
| | -0.05 | -0.29 | -0.34 | -0.29 | -0.11 | -0.08 | 0.00 | 0.00 | 0.00 | -0.65 | -1.06 | -0.91 | -0.10 | -0.31 | 0.00 | 0.00 | 0.00 | -0.08 | -0.07 | -0.06 | 0.00 | 0.00 | -0.24 | -0.01 |
| H Q | 13.13 | 10.63 | 10.09 | 10.57 | 12.24 | 14.15 | 24.90 | 25.02 | 24.47 | 23.66 | 24.10 | 22.73 | 20.19 | 19.92 | 19.73 | 19.41 | 22.82 | 32.40 | 30.04 | 23.10 | 19.65 | 18.04 | 14.75 | 14.53 |
| 61844 | -0.45 | -0.35 | -0.33 | -0.35 | -0.43 | -0.51 | -0.91 | -0.93 | -0.94 | -0.93 | -0.95 | -0.90 | -0.78 | -0.79 | -0.76 | -0.75 | -0.90 | -1.32 | -1.25 | -0.96 | -0.80 | -0.71 | -0.57 | -0.56 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.16 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| HUD VL | 15.56 | 14.76 | 14.56 | 14.74 | 15.02 | 16.80 | 28.83 | 28.83 | 29.77 | 29.00 | 27.91 | 26.30 | 24.64 | 25.16 | 24.25 | 26.57 | 33.38 | 43.67 | 39.87 | 31.86 | 28.30 | 23.72 | 19.17 | 16.78 |
| 61758 | 1.49 | 1.22 | 1.15 | 1.21 | 1.38 | 1.58 | 2.86 | 2.88 | 2.95 | 2.88 | 2.85 | 2.67 | 2.39 | 2.36 | 2.33 | 2.30 | 2.73 | 3.81 | 3.60 | 2.82 | 2.43 | 2.31 | 1.76 | 1.64 |
| | -0.48 | -2.56 | -2.99 | -2.60 | -0.97 | -0.72 | 0.00 | 0.00 | -1.42 | -1.52 | 0.00 | 0.00 | -1.28 | -2.10 | -1.43 | -4.12 | -6.93 | -6.14 | -4.94 | -4.93 | -5.42 | -2.66 | -2.09 | -0.05 |
| LONGIL | 17.95 | 16.12 | 15.26 | 15.25 | 15.57 | 21.66 | 30.68 | 29.90 | 31.04 | 30.21 | 28.88 | 27.08 | 25.69 | 26.14 | 25.00 | 27.95 | 35.64 | 46.77 | 42.10 | 35.22 | 30.32 | 27.05 | 19.94 | 17.43 |
| 61762 | 2.01 | 1.61 | 1.56 | 1.63 | 1.90 | 2.15 | 4.03 | 3.94 | 3.96 | 3.81 | 3.83 | 3.45 | 3.21 | 2.96 | 2.83 | 2.96 | 3.79 | 5.33 | 4.98 | 4.00 | 3.50 | 3.15 | 2.50 | 2.29 |
| | -2.36 | -3.53 | -3.27 | -2.69 | -0.99 | -5.01 | -0.68 | 0.00 | -1.67 | -1.80 | 0.00 | 0.00 | -1.51 | -2.47 | -1.69 | -4.83 | -8.12 | -7.73 | -5.79 | -7.11 | -6.37 | -5.15 | -2.13 | -0.05 |
| MHK VL | 14.02 | 11.61 | 11.10 | 11.57 | 13.18 | 15.00 | 26.85 | 26.89 | 26.33 | 25.55 | 25.93 | 24.43 | 21.70 | 21.44 | 21.19 | 20.97 | 24.88 | 35.36 | 32.93 | 25.20 | 21.39 | 19.45 | 15.98 | 15.47 |
| 61756 | 0.38 | 0.30 | 0.28 | 0.30 | 0.38 | 0.41 | 0.88 | 0.93 | 0.84 | 0.86 | 0.88 | 0.80 | 0.65 | 0.60 | 0.61 | 0.60 | 0.78 | 1.31 | 1.35 | 0.84 | 0.65 | 0.56 | 0.38 | 0.38 |
| | -0.06 | -0.34 | -0.40 | -0.35 | -0.13 | -0.10 | 0.00 | 0.00 | -0.09 | -0.09 | 0.00 | 0.00 | -0.08 | -0.13 | -0.09 | -0.22 | -0.37 | -0.33 | -0.25 | -0.25 | -0.29 | -0.14 | -0.28 | -0.01 |
| MILLWD | 15.63 | 14.84 | 14.66 | 14.84 | 15.09 | 16.85 | 28.95 | 29.04 | 30.22 | 29.43 | 28.11 | 26.51 | 25.02 | 25.72 | 24.66 | 27.42 | 34.71 | 44.93 | 40.85 | 32.84 | 29.32 | 24.29 | 19.36 | 16.90 |
| 61759 | 1.56 | 1.26 | 1.20 | 1.27 | 1.43 | 1.62 | 2.99 | 3.09 | 3.15 | 3.05 | 3.06 | 2.88 | 2.56 | 2.57 | 2.50 | 2.48 | 2.94 | 4.08 | 3.79 | 3.01 | 2.58 | 2.46 | 1.91 | 1.76 |
| | -0.49 | -2.60 | -3.04 | -2.65 | -0.98 | -0.73 | 0.00 | 0.00 | -1.66 | -1.78 | 0.00 | 0.00 | -1.49 | -2.45 | -1.67 | -4.79 | -8.04 | -7.13 | -5.73 | -5.73 | -6.30 | -3.09 | -2.13 | -0.05 |
| N.Y.C. | 15.76 | 14.90 | 14.70 | 14.86 | 15.15 | 16.95 | 29.06 | 29.28 | 30.48 | 29.74 | 28.51 | 26.91 | 25.39 | 26.08 | 25.02 | 27.76 | 34.90 | 45.16 | 41.03 | 33.09 | 29.60 | 24.60 | 19.54 | 17.07 |
| 61761 | 1.70 | 1.34 | 1.26 | 1.31 | 1.51 | 1.72 | 3.09 | 3.32 | 3.41 | 3.34 | 3.46 | 3.28 | 2.91 | 2.90 | 2.85 | 2.78 | 3.06 | 4.25 | 3.92 | 3.21 | 2.80 | 2.74 | 2.11 | 1.93 |
| | -0.49 | -2.58 | -3.02 | -2.62 | -0.98 | -0.72 | 0.00 | 0.00 | -1.67 | -1.80 | 0.00 | 0.00 | -1.51 | -2.47 | -1.68 | -4.83 | -8.11 | -7.19 | -5.78 | -5.78 | -6.35 | -3.12 | -2.11 | -0.05 |
| NORTH | 12.90 | 10.46 | 9.93 | 10.40 | 12.00 | 13.69 | 24.59 | 24.55 | 23.83 | 23.00 | 23.50 | 22.19 | 19.71 | 19.40 | 19.22 | 18.90 | 22.11 | 31.46 | 29.01 | 22.24 | 19.06 | 17.47 | 14.34 | 14.16 |
| 61755 | -0.68 | -0.52 | -0.49 | -0.52 | -0.67 | -0.81 | -1.38 | -1.40 | -1.58 | -1.60 | -1.55 | -1.44 | -1.26 | -1.30 | -1.27 | -1.25 | -1.61 | -2.26 | -2.19 | -1.74 | -1.39 | -1.28 | -0.98 | -0.92 |
| | 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 | 0.13 | 0.13 | 0.00 | 0.01 | 0.00 | 0.00 |
| NPX | 15.55 | 15.14 | 15.03 | 15.12 | 15.11 | 17.00 | 28.46 | 28.73 | 29.25 | 28.44 | 27.68 | 26.09 | 24.20 | 24.56 | 23.77 | 25.49 | 31.59 | 41.88 | 38.25 | 30.51 | 26.88 | 22.94 | 19.49 | 16.70 |
| 61845 | 1.40 | 1.13 | 1.06 | 1.11 | 1.29 | 1.49 | 2.65 | 2.78 | 2.72 | 2.63 | 2.63 | 2.46 | 2.22 | 2.19 | 2.15 | 2.10 | 2.42 | 3.34 | 3.04 | 2.53 | 2.17 | 2.10 | 1.70 | 1.55 |
| | -0.57 | -3.03 | -3.54 | -3.08 | -1.14 | -1.01 | 0.16 | 0.00 | -1.12 | -1.20 | 0.00 | 0.00 | -1.01 | -1.66 | -1.13 | -3.24 | -5.44 | -4.82 | -3.88 | -3.88 | -4.26 | -2.09 | -2.47 | -0.06 |

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|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OH 61846 | 13.42 | 11.20 | 10.71 | 11.13 | 12.59 | 14.53 | 25.73 | 25.92 | 25.00 | 23.17 | 23.00 | 21.92 | 20.70 | 20.18 | 20.36 | 20.05 | 23.77 | 33.92 | 31.43 | 24.05 | 20.33 | 18.32 | 15.25 | 14.97 |
| | -0.23 | -0.16 | -0.17 | -0.19 | -0.23 | -0.23 | -0.08 | -0.03 | -0.41 | -0.27 | -0.17 | -0.09 | -0.08 | 0.02 | -0.12 | -0.10 | 0.05 | 0.34 | 0.22 | 0.07 | -0.12 | -0.43 | -0.38 | -0.12 |
| | -0.07 | -0.39 | -0.45 | -0.39 | -0.15 | -0.27 | 0.16 | 0.01 | 0.00 | 1.15 | 1.88 | 1.61 | 0.19 | 0.55 | 0.00 | 0.00 | 0.00 | 0.13 | 0.12 | 0.12 | 0.00 | 0.00 | -0.32 | -0.01 |
| PJM 61847 | 14.54 | 12.96 | 12.61 | 12.92 | 13.84 | 15.79 | 27.27 | 27.48 | 27.54 | 26.82 | 26.53 | 25.05 | 22.89 | 23.08 | 22.42 | 23.47 | 28.72 | 38.92 | 35.80 | 28.21 | 24.49 | 21.16 | 17.25 | 15.94 |
| | 0.69 | 0.57 | 0.53 | 0.56 | 0.63 | 0.74 | 1.45 | 1.53 | 1.40 | 1.43 | 1.48 | 1.42 | 1.26 | 1.28 | 1.19 | 1.21 | 1.45 | 2.06 | 1.94 | 1.57 | 1.27 | 1.05 | 0.78 | 0.83 |
| | -0.27 | -1.41 | -1.65 | -1.44 | -0.53 | -0.55 | 0.16 | 0.00 | -0.74 | -0.79 | 0.00 | 0.00 | -0.66 | -1.09 | -0.74 | -2.11 | -3.55 | -3.14 | -2.53 | -2.54 | -2.78 | -1.36 | -1.16 | -0.03 |
| WEST 61752 | 13.66 | 11.38 | 10.85 | 11.28 | 12.80 | 14.67 | 26.75 | 26.98 | 25.92 | 27.17 | 28.94 | 27.11 | 22.05 | 22.49 | 21.16 | 20.84 | 24.70 | 35.68 | 33.00 | 25.56 | 20.96 | 18.79 | 15.57 | 15.30 |
| | 0.01 | 0.03 | 0.00 | -0.01 | -0.01 | 0.07 | 0.78 | 1.01 | 0.51 | 0.69 | 0.83 | 0.85 | 0.78 | 0.89 | 0.68 | 0.69 | 0.97 | 1.75 | 1.47 | 0.97 | 0.51 | 0.04 | -0.05 | 0.21 |
| | -0.07 | -0.36 | -0.43 | -0.37 | -0.14 | -0.10 | 0.00 | -0.01 | 0.00 | -1.88 | -3.06 | -2.63 | -0.30 | -0.89 | 0.00 | 0.00 | 0.00 | -0.21 | -0.20 | -0.49 | 0.00 | 0.00 | -0.30 | -0.01 |