SIKESTON
BOARD OF MUNICIPAL UTILITIES
ADVANCED METERING INFRASTRUCTURE
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AMI is an integrated system of advanced meters, communications networks, and data management systems that enables two-way communication between utilities and customers.
ADVANCED METERING INFRASTRUCTURE (AMI) SYSTEM
WHY DO WE NEED AMI?

• The majority of electric and water meters in the City of Sikeston have outlived their useful life and need to be replaced in order to continue operating accurately and efficiently.

• Rather than replace these aging meters with outdated technology, now is the best time to adopt modern technology.

• Many of Sikeston’s commercial and industrial users have experienced the benefits of AMI with their other locations and are beginning to request the updated technology for their Sikeston locations.

• BMU needs better outage and leak detection to best serve our customers.
AMI SYSTEM BENEFITS

CUSTOMER BENEFITS

• More data available to customer
  • Provides detailed analysis of daily water and electricity consumption
  • End users can better understand month-to-month bill fluctuations
• More accurate and consistent readings
• More consistent billing intervals
• Better and faster leak detection
• Automatic outage reporting
• Customer alerts for high usage, outage, etc.
  • Know if your power is out when you are away
• Reduces disconnect/reconnect time

UTILITY BENEFITS

• More data available to BMU
  • Provide better assistance to customers who have billing questions or utility problems
• Reduce or eliminate estimated bills and re-reads
• Lowers cost of reading meters
• Lowers cost of connecting/disconnecting customers
• Lowers cost from theft
• Reduces account charge-offs
• Leak detection and Outage Reporting
  • Helps identify customer problem vs utility problem
• Allows possibility of customized billing cycles, time of use rates, and pre-pay option
A wireless router’s RF emission is 400 times greater, and a cell phone’s RF emission is 1,000 – 10,000 times greater than an AMI Meter’s RF emission.
How long does it take to receive the same time-averaged RF exposure from the advanced metering system that you would receive from one cellular Phone Call?

Cell phone exposure:
- 5 Minutes at 1 cm from ear
- 0.013816 mW/cm²

Note: Signal is reduced by meter socket and wall.