

RESOLUTION NO. R-2021-16

A RESOLUTION AUTHORIZING THE MAYOR OR CITY CLERK TO PURSUE THE REPLACEMENT OF ALL (AS NEEDED) BUSINESS AND COMMERCIAL WATER METERS ATTACHED THE WARD WATER SYSTEM WITH RADIO-READ METERS; TO REQUEST PROPOSALS FOR SAME

WHEREAS, ON MARCH 12, 2011, the American Rescue Plan (ARP) was signed into law which authorizes \$45 billion in federal aid to states, counties, and cities nationwide; and,

WHEREAS, THE CITY OF WARD is projected to receive approximately \$1.1 million under the ARP with one-half funded this year, and the other half one-year funded one year later; and,

WHEREAS, ARP FUNDS can only be used for specific items to include but not limited to; reimbursement for revenue lost due to the Covid-19 pandemic and infrastructure improvements to water, wastewater and broadband; and,

WHEREAS, BOND CONSULTING ENGINEERS conducted a Preliminary Engineering study outlining the need and potential costs of the project at \$1.6 million; and,

WHEREAS, THE CITY OF WARD, desires to replace the current water meters and to seek sealed proposals from various companies with experience in water meters to replace all commercial and residential water meters (as needed) with either an Advanced Metering Infrastructure (AMI) or Automated Meter Reading (AMR) system to include but limited to all material and labor.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF WARD, ARKANSAS, HEREBY;

SECTION 1: The Mayor and/or City Clerk is hereby authorized to seek proposals to replace all (as needed) water meters on the Ward Water System.

SECTION 2: Said sealed proposals/bids shall be opened at a time and place so designated by the Mayor or City Clerk.

PASSED/FAILED:

YEAS 5 NAYS 0

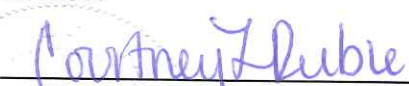
DATE: June 21, 2021

APPROVED:



Charles Gastineau, Mayor

ATTEST:



Courtney Ruble, City Clerk

DIFFERENCE BETWEEN AMR AND AMI

Automated Meter Reading (AMR)

Automated meter reading is the communication technology water utilities use to automatically collect water consumption and status data from water meters. AMR systems can be either walk-by or drive-by. An endpoint is connected to the meter's encoder register. The endpoint captures water flow and alarm data which is collected by utility personnel by walking or driving by with a data receiver in proximity to the device.

After collection, the meter data is transferred to a database where utilities can monitor and analyze usage, troubleshoot issues and bill customers based on actual consumption, rather than predictions that were often required with bi-monthly or quarterly manual reads.

Advanced Metering Infrastructure (AMI)

Advanced metering infrastructure is an integrated system of water meters, communication networks and data management systems that enables two-way communication between meter endpoints and utilities. Unlike AMR, AMI doesn't require utility personnel to collect the data. Instead, the system automatically transmits the data directly to the utility at predetermined intervals.

Meter data is sent to utilities via a fixed network. The utility can use the data to improve operational efficiencies and sustainability by effectively monitoring water usage and system efficiency, detecting malfunctions and recognizing irregularities.

With a fixed network, utilities work with specific vendors to get their infrastructure and technologies up and running. And today, existing cellular networks, designed to minimize downtime, can be used to make sure meter data is collected securely and without interruption