

**City of Sedgwick
City Council Meeting
October 4, 2023**

TO: Mayor and City Council
SUBJECT: AMI Meter Reading System
INITIATED BY: Public Works & Utilities
AGENDA: New Business

Recommendation: Approve as presented

Background: The governing body approved encumbering funding in the 2024 CIP to convert the current automatic meter reading system (AMR) to an advanced metering infrastructure system. The conversion will utilize the current water meter assets in ground and connect them to new remote reading antennas positioned strategically throughout town to allow for human less interaction for collecting meter readings. Once installed, office staff will be able to collect meter readings at the push of a button with a collection accuracy rate of 97%

Currently, it takes PW & Utilities staff approximately 12 hours to read the entire system outside of rereads; office staff spends approximately 8 hours to load accounts, enter meter readings and research high reads. With the system update, it will take approximately 15 minutes to perform all tasks.

There are 25-30 meters in the system right now that require manual reading. Staff has received electronic meters to replace all but 10 of these meters and will begin replacement operations within the next couple of weeks.

If approved tonight, the system could be live within 120 days.

Financial Considerations: The system is a five-year agreement broken out at the cost rate included in the table below. After year five, the City will incur an annual cost for the SaaS and RNI which will be representative of year 2-5 pricing. It is understood that the pricing after year 5 is subject to a 3% increase annually. Year 1 costs are drastically higher due to the purchase and installation of the required hardware.

Year 1	\$51,739.92
Year 2	\$7,248.86
Year 3	\$7,441.12
Year 4	\$7,661.02
Year 5	\$7,826.60

Recommendations/Actions: Initiate funding from the 2023 CIP and authorize the approval to enter into an agreement with Core & Main to provide Sensus AMI technology.

Attachment: Quotation.



600 S. 81 Bypass
 McPherson, KS 67460
 T: 620-241-3865

9/20/2023

Prepared by: Preston Hodges
 Product Specialist
 T: 620-382-6141
preston.hodges@coreandmain.com

City of Sedgwick

RE: Sensus AMI Meter Reading System

<u>Quantity</u>	<u>Item</u>	<u>Unit</u>	<u>Extended</u>
<u>Sensus AMI Lite System Year 1 Fees</u>			
1	R100NA Base Station	\$ 6,000.00	\$ 6,000.00
1	R100NA / Coax / Antenna Installation	\$ 20,000.00	\$ 20,000.00
1	RNI/SA SetUp Fee	\$ 15,000.00	\$ 15,000.00
1	Standard Billing Intgration	\$ 2,000.00	\$ 2,000.00
1	Training	\$ 2,000.00	\$ 2,000.00
1	SaaS Annual Fee - Year 1 (fee/meter/month)	\$ 0.85	\$ 6,739.92
	1st Yr. Total		\$ 51,739.92

Sensus AMI Lite System Years 2 to 5

Year 2 Fees

1	SaaS Annual Fee - Year 2 (fee/meter/month)	\$ 0.87	\$ 6,922.08
1	R100NA Extended Warranty - Year 1	\$ 326.78	\$ 326.78
	Year 2 Total:		\$ 7,248.86

Year 3 Fees

1	SaaS Annual Fee - Year 3 (fee/meter/month)	\$ 0.90	\$ 7,104.24
1	R100NA Extended Warranty - Year 2	\$ 336.88	\$ 336.88
	Year 3 Total:		\$ 7,441.12

Year 4 Fees

1	SaaS Annual Fee - Year 4 (fee/meter/month)	\$ 0.92	\$ 7,313.72
1	R100NA Extended Warranty - Year 3	\$ 347.30	\$ 347.30
	Year 4 Total:		\$ 7,661.02

Year 5 Fees

1	SaaS Annual Fee - Year 5 (fee/meter/month)	\$ 0.94	\$ 7,468.56
1	R100NA Extended Warranty - Year 4	\$ 358.04	\$ 358.04
	Year 5 Total:		\$ 7,826.60

5 Yr. Total **\$ 81,917.53**

- Notes:
- * 520M is to be mounted through the cast iron lid
 - * Any upgrades to the Billing Software to work with the above software is the responsibility of the City.
 - * RNI = Regional Network Interface / SA = Sensus Analytics System Software
 - * SaaS Annual Fees are figured at unit fee/meter X 660 meter sites X 12 months
 - * 3% Annual Increase after year 5.