



Memo

To: Board of Directors
From: Gary Belair, Board Director
Date: January 26, 2022
Re: Motion- Authorize Purchase of Water Meters

Discussion

I move to authorize the General Manager to execute a purchase agreement with Henard Utilities not to exceed the total 2022 budgeted amount of \$100,000 for multiple sizes of water meters and meter reading equipment.

Background

Beginning this year 2022, the current handheld devices used for manually reading our water meters on a bi-monthly basis will no longer have tech support nor are replaceable, thus requiring our staff to purchase a new meter reading method and technology. The Public Services Committee and Staff have been conducting a study of different smart water meters and meter reading systems for over the past three years. During this study period, metering staff tested six different meter providers and types (Sensus, Neptune, Kamstrup, Badger, Diehl, Mueller) to include drive-by radio read, tower-based radio read, and cellular read ultrasonic water meters. The study evaluated each meter provider for quality of customer service, technical support, meter performance, and meter reading equipment and software that will work with Hot Springs Village's billing system. Request for Information (RFI) and cost Proposals (RFP) were solicited from four (4) prequalified vendors for unit pricing for phased deployments over time as well as a future full-scale deployment throughout the community. Price comparisons are shown below for cellular and drive-by radio read smart meters

Meter Size	Badger (Cell)	Kamstrup (Drive-By)	Neptune (Cell)	Neptune (Drive-By)	Sensus (Drive-By)
5/8"x 3/4"	\$276.50	\$250.00	\$259.98	\$249.48	\$240.00
1"	\$330.00	\$350.00	\$329.98	\$319.48	\$315.00
1 1/2"	\$764.25	\$887.25	\$699.98	\$689.48	\$614.66
2"	\$980.50	\$971.75	\$822.48	\$832.98	\$814.03

Based on the performance parameters of the evaluation, staff, with committee input, have selected the cellular read ultrasonic smart meter made by the Badger Meter Company. These smart meters are widely used in Arkansas, are more accurate, and will notify a property owner whenever there is a leak in their pipes. HSV staff will be deploying these meters at all existing commercial, new home, and existing malfunctioning meter replacements in 2022 and using computer notebooks with Badger's meter reading software to read all the remaining existing manual read water meters for future billings.

2022 Budget: Capital 54 PU20 - \$100,000.00



BOARD AGENDA FACT SHEET
AUTHORIZATION FOR MAJOR EXPENDITURES

PROJECT NAME: Bulk Water Meters Purchase

DEPARTMENT: Public Utilities (PU20) **REQUESTED BOARD DATE:** 1/19/2022

REQUESTED ACTION

Board Approval Discussion/Presentation Other (Specify)

PROJECT/CAPITAL SUMMARY

Purchase of bulk water meters at a cost of \$276.50 per meter up to a total of \$100,000, 2022 approved budgeted amount. New water meters will be cellular read ultrasonic smart meters and will be used to replace any existing commercial, new home, or malfunctioning residential water meters replacements in 2022.

JUSTIFICATION

The decision was made to phase out the current meters as they no longer have technical support, and it is very difficult or impossible to find replacement parts for the meters.

BID INFORMATION

BID (recommended bid in bold)	Base Price	Freight	Sales Tax	Grand Total
Henard Utility	277		22.12	\$ 298.62
Ferguson Waterworks	249		19.96	\$ 269.44
Secure Vision	\$ 250		20.00	\$ 270.00
Core and Main	\$ 120		9.60	\$ 129.60
UMS	No Bid			No Bid

BUDGET DETAILS

ITEM	COST	BUDGETED	UNBUDGETED	NOTES
Bulk Water Meters Purchase	\$ 100,000	\$ 100,000	\$ -	Detail Below
	\$ 100,000	\$ 100,000	\$ -	\$ -

NOTES

Total funds expended for bulk water meters purchase will not exceed \$100,000.

Responsible Director Jason Temple, Public Services Director

Project Manager Chris Boutzale, Wastewater Superintendent

RFQ# 18129-000-PU20
 WIP# 18129-000-PU20
 EXPENSE#
 JOB#
 PO#

PROJECT NAME **DEPARTMENT**
WATER METER CHANGE OUT **PU20**

VENDOR W/ FULL SPECIFICATIONS	NOTES	BID DATE	BID DUE	SUB TOTAL	DISCOUNTS	TAX	FREIGHT	TOTAL	METER	LEAD TIME	SELECTION
UMS	See file for proposals and pricing, hardcopies of proposed given to Chris and Jason	8/13/2021	9/3/2021					\$0.00			
CORE AND MAIN	See file for proposals and pricing, hardcopies of proposed given to Chris and Jason	8/13/2021	9/3/2021					\$3,235,753.28	120.00		
SECURE VISION	See file for proposals and pricing, hardcopies of proposed given to Chris and Jason	8/13/2021	9/3/2021					\$3,135,330.42	250.00		
HENARD UTILITY	See file for proposals and pricing, hardcopies of proposed given to Chris and Jason	8/13/2021	9/3/2021					\$2,633,426.25	276.50		
FERGUSON WATERWORKS	See file for proposals and pricing, hardcopies of proposed given to Chris and Jason	8/13/2021	9/3/2021					\$3,253,682.90	249.48		
BUDGET AMOUNT	\$ 60,000.00										
TRADE IN	AMOUNT	HOURS	MILEAGE								

ORIGINATOR CHRIS BOUTZALE **JUSTIFICATION OF PROJECT / SERVICE :** We are going with Henard Utility (Badger), we have tested meters of all these brands and a few more brands for over two years. We narrowed the pick down to two brands. We believe we have made the best decision for the village. 276.50 includes both meter and end point. Will be spending About 30,000

DIRECTOR JASON TEMPLE

GENERAL MANAGER JOHN PAUL

CONTROLLER COREENA FETTERHOFF

RELEASE FOR PO _____

DATE: _____ Estimated Completion Date of Expenditure: _____