

**CITY OF TEMPE
REQUEST FOR COUNCIL ACTION**
**Council Meeting Date: 12/03/2015
Agenda Item: 6A1**

ACTION: Award a two-year contract with four, two-year renewal options to National Meter and Automation, Inc. for the purchase of 1.5" through 10" lead-free water meters, meter registers, and replacement parts.

FISCAL IMPACT: Total cost of this contract will not exceed \$2,096,514.19 during the two-year contract period. Sufficient funds have been appropriated in the Water/Wastewater Fund - cost centers 3085 (Water/Wastewater Inventory), Water/Wastewater Capital Improvement Project Fund - 3209319 (Small Meter Replacement 2" and Under), and 3299999 (Distribution System Fittings) for the anticipated expenditures.

RECOMMENDATION: Award the contract.

BACKGROUND INFORMATION: The City of Tempe issued a solicitation for the purchase of commercial lead free water meters, meter registers, and replacement parts for the Customer Services and Water Utilities Divisions. The specifications called for a brand name only requirement based on the City's long history of standardizing to the Badger brand water meter.

The City has approximately 42,560 meters in the municipal water system. The average expected life of a meter is 10 to 12 years after which reading accuracy decreases. The water meters will be used for new development and the Water Meter Replacement Program that replaces older and nonfunctioning meters so that they accurately measure water consumption, thus allowing the City to fairly and equitably charge customers for their water and sewer service.

Approximately ten years ago the City standardized on commercial Badger meters for the following reasons:

- Meter durability.
- Badger 5/8" through 10" water meters make up approximately 97% of the City of Tempe installed inventory.
- Meter reading accuracy is better with standardizing meter registers.
- Additional hand held devices do not need to be purchased or carried by field personnel in order to read meters.
- Inventory of replacement parts for water meters are kept to a minimum, thus reducing cost and avoiding obsolete parts.
- Simplifies the purchase, installation and maintenance of an AMI/AMR solution.
- The installation and replacement process is more efficient.

One bid was received. National Meter and Automation, Inc. is the sole authorized distributor in Arizona for Badger water meters.

National Meter and Automation, Inc. pricing is shown below:

Item No.	Description of Product	Unit	Unit Price
Group 1 - Meters Type and Sizes to be purchased			
1	1.5" Recordall (RCDL) M120 Bronze Nutating Disc Meter, test plug, Elliptical Flange, Six Dial Local Read Register (US Gallons), Torx security screw	Each	\$272.79
2	1.5" Recordall (RCDL) M120 Bronze Nutating Disc Meter, test plug, Elliptical Flange, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw, and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent).	Each	\$302.79
3	2" RCDL M170 Bronze Nutating Disc Meter, test plug, Elliptical Flange, Six Dial Local Read Register (US Gallons), Torx security screw	Each	\$379.30
4	2" RCDL M170 Bronze Nutating Disc Meter, test plug, Elliptical Flange, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent).	Each	\$409.30
5	E-Series 1.5" Stainless Steel Ultrasonic Meter, Elliptical Flange, High Resolution Encoder (9 Dial, USG) and 6 ft. Nicor	Each	\$392.96

	connector or three wire equivalent (Meter Size Dependent).		
6	E-Series 2" Stainless Steel Ultrasonic Meter, Elliptical Flange, High Resolution Encoder (9 Dial, USG) and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent).	Each	\$528.98
7	2" RCDL T- 200 Bronze Turbo Meter w/ test plug, Elliptical Flange, Six Dial Local Read Register (US Gallons)with plastic lid and shroud, Torx security screw.	Each	\$722.00
8	2" RCDL T- 200 Bronze Turbo Meter w/ integral strainer & test plug, plastic lid and shroud, Elliptical Flange, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent).	Each	\$782.35
9	3"RCDL T- 450 Bronze Turbo Meter w/ integral strainer & test plug, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent).	Each	\$885.75
10	4"RCDL T-1000 Bronze Turbo Meter w/ integral strainer & test plug, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent).	Each	\$1412.00
11	6" RCDL T-2000 Bronze Turbo Meter w/ test plug, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent)	Each	\$3,225.00
12	8" RCDL T-3500 Bronze Turbo Meter w/ test plug, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent)	Each	\$4,750.00
13	3" RCDL Bronze Compound Series Meter , HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent)	Each	\$2,005.00
14	4" RCDL Bronze Compound Series Meter, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent)	Each	\$3,187.00
15	6" RCDL Bronze Compound Series Meter, HR E-LCD High Resolution Encoder (9 Dial, US Gallons), Torx security screw and 6 ft. Nicor connector or three wire equivalent (Meter Size Dependent)	Each	\$4,285.40
16	4" FSA - LL Fire Series Assembly w/ 1" Model70 bypass and (2) Shut Off Valves	Each	\$5,380.00
17	6" FSA - LL Fire Series Assembly w/ 2" T200 bypass and (1) Shut Off Valve	Each	\$7,290.00
18	8" FSA - LL Fire Series Assembly w/ 2" T200 bypass and (1) Shut Off Valve	Each	\$9,489.00
19	Orion CE (Classic Endpoint) FHSS Radio Read endpoint with Data Profiling (DP), Nicor connector	Each	\$87.96
	Group 2 - Six (6)Dial Local Read Register and High Resolution Encoder/Register		
	Six (6)Dial Local Read Register		
1	1 1/2"	Each	\$25.00
2	2"	Each	\$25.00
3	3"	Each	\$25.00
4	4"	Each	\$25.00
5	6"	Each	\$30.00
6	8"	Each	\$30.00
7	10"	Each	\$35.00
	High Resolution Encoder/Register (HR E-LCD High Resolution Encoder		
1	5/8"	Each	\$55.00
2	3/4"	Each	\$55.00
3	1"	Each	\$55.00
4	1 1/2"	Each	\$55.00
5	2"	Each	\$55.00
6	3"	Each	\$64.00
7	4"	Each	\$64.00
8	6"	Each	\$64.00
9	8"	Each	\$64.00
10	10"	Each	\$64.00

The City estimates it will replace up to 1612 meters and 15,151 registers during the two-year contract period.

Staff is recommending that Council approve an award to National Meter and Automation, Inc. for all price sheet items listed above (groups 1 and 2) as they have submitted the lowest overall cost and are fully responsive to the bidding requirements.

ATTACHMENTS: Vendor Offer

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