



# 266-2016 ADDENDUM 1

## SUPPLY AND DELIVERY OF ELECTROMAGNETIC WATER METERS – VARIOUS SIZES

### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE BID OPPORTUNITY**

ISSUED: April 22, 2016  
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**THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**

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**Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 8 of Form A: Bid may render your Bid non-responsive.**

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### **PART E – SPECIFICATIONS**

Revise: E2.9 to read: The following requirements are specified per this Bid Opportunity, American Water Works Association (AWWA) C702 4.2.6 and AWWA M6.

(a) The meter will perform to new meter accuracy standards, as specified in the table below, for a period of five (5) years after being installed by the City of Winnipeg;

(b) Should a meter not perform as specified, the Contractor will replace the meter at no cost to the City of Winnipeg. A meter is not performing as specified if it fails to pass an accuracy test, conducted by the City of Winnipeg (or its chosen 3<sup>rd</sup> party) according to AWWA standards (for comparable meters). The specific required accuracy at given flow rates is provided in the table below. This requirement will not apply to meters that have been damaged due to abnormal circumstances.

Meter Size (mm)	Accuracy at Maximum Flow Rate	Accuracy at Intermediate Flow Rate	Accuracy at Minimum Flow Rate	Safe Maximum Operating Flow Capacity
50	160 gpm(us) 98.5-101.5%	50gpm(us) 99.75-100.25%	0.25 gpm(us) 95-101%	190 gpm(us)
80	350 gpm(us) 98.5-101.5%	115gpm(us) 99.75-100.25%	0.5 gpm(us) 95-101%	435 gpm(us)
100	600 gpm(us) 98.5-101.5%	230gpm(us) 99.75-100.25%	0.75 gpm(us) 95-101%	750 gpm(us)
150	1,350 gpm(us) 98.5-101.5%	530gpm(us) 99.75-100.25%	1.5 gpm(us) 95-101%	1,400 gpm(us)

Revise: E2.10

Meter accuracy must meet or exceed the requirements specified in this bid opportunity, AWWA C702 4.2.6 and AWWA M6. Accuracy testing of each meter and display (register) must be performed. Each meter must be factory tested for accuracy of registration at flow rates and test quantities in accordance with section 4.2.6 of AWWA C702 and AWWA M6. The manufacturer must supply a certificate for each meter and display assembly stating compliance with these accuracy requirements.

Revise: E2.11

Meters must be flanged per AWWA C702 4.3.3, as follows:

- (a) 50mm Meters must be supplied with round flanges per AWWA C702 4.3.3.1.
- (b) 80mm – 150mm Meters must be supplied with flanges per AWWA 702 4.3.3.2