

READING AREA WATER AUTHORITY

Amended and Restated Resolution Establishing Large Water Meter Testing and Replacement Program

Adopted August 11, 2009

Whereas, Reading Area Water Authority (“RAWA”) provides potable water for domestic consumption and fire protection to residential, commercial, industrial and institutional customers throughout the City of Reading and adjacent areas; and

Whereas, customers that require a 2-inch or larger meter (each a “Commercial Meter”) to meet their normal water demands (not fire protection demands) are required to purchase and own their own meter; and

Whereas, such meters must be installed to RAWA specifications; and

Whereas, in order to assure that each customer is paying its fair share of the water production and delivery costs incurred by RAWA, it is necessary to maintain the accuracy of all customer owned meters;

Whereas, RAWA has determined to implement a systematic method of testing Commercial Meters, in accordance with accepted industry practice;

NOW, THEREFORE, be it resolved, by the Board of RAWA in lawful session duly assembled this 11th day of August, 2009, and hereby it is resolved, as follow:

1. General Requirements. Each customer is required to maintain its Commercial Meter within acceptable levels of accuracy and to configure such Commercial Meter in accordance with the RAWA’s specifications as in effect from time-to-time. Failure to comply with these requirements will result in the assessment of billing surcharges and/or termination of water supply in accordance with these Resolutions and RAWA’s Water Service Resolution.

2. Testing and Inspection. Within thirty (30) days of receiving notice to do so from RAWA, each customer is required to engage an independent certified meter-testing contractor to perform an on-site flow test and inspection of each Commercial Meter and Backflow Preventer and to report the results to the customer and RAWA. If results are not reported to RAWA within 30 days of receipt of notice from RAWA as aforesaid, the customer will be notified that they are in violation of the program and penalties will be assessed.

If the initial inspection and testing does not produce satisfactory results, as set forth in these Resolutions, the customer will be responsible to have the meter and/or Backflow Preventer repaired or replaced at its expense. If it is repaired, the customer is required to provide certification that it meets the acceptable standards of accuracy set forth herein. Documentation of satisfactory test results, or evidence of a new meter installation must be submitted to RAWA within 90 days of receipt of the Inspector's report that the existing meter and meter facility is not acceptable.

The Co-Pay Program related to the 2003 Initial Testing and Inspection Program was applicable only to the initial 2003 testing period only. Costs growing out of subsequent testing and inspection periods shall be at the customer's sole cost and expense.

If the inspection and testing implemented as aforesaid produce satisfactory results in accordance with the standards set by these Resolutions, the meter will be accepted by RAWA as accurate until its next scheduled test or until such earlier date as evidence of malfunction or inaccuracy is manifest to RAWA.

Each customer must install a remote "radio read" device on each Commercial Meter.

3. Ongoing Testing Program. Each customer will be responsible to have its Commercial Meter tested and certified in accordance with the schedule hereinafter set forth. RAWA will exercise its best efforts to notify customers with Commercial Meters regarding required testing dates; provided that failure of RAWA to provide such notice will not excuse a customer from complying with required testing on a timely basis.

If the inspection and testing does not produce satisfactory results as set forth in these Resolutions the customer will be responsible to have the meter repaired or replaced at its expense. If it is repaired, the customer is required to provide certification that it meets the acceptable standards of accuracy set forth herein. Documentation of satisfactory test results, or evidence of a new meter installation must be submitted to RAWA within 45 days of the required testing date.

If the inspection and testing implemented as aforesaid produce satisfactory results in accordance with the standards set by these Resolutions, the meter will be accepted by RAWA as accurate until its next scheduled test or until such earlier date as evidence of malfunction or inaccuracy is manifest to RAWA.

4. Meter and Installation Specifications. All Commercial Meters and the installation configuration thereof shall meet RAWA's Specifications, as in place from time-to-time. The current Specifications are attached hereto, as Exhibit "A." If, upon inspection, a Commercial Meter or the installation configuration is not in accordance with specifications, the Customer is required to correct all deficiencies within 90 days of the inspection.

5. Acceptable Accuracy. Flow testing of existing Commercial Meters must establish an accuracy of between 95% and 104% of actual flow at normal flow rates. Normal flow rates shall be determined by current AWWA Standards for the specific type of meter.

In the case of a new, rebuilt or repaired meter, the flow test must establish an accuracy determined by current AWWA Standards for the specific type of meter:

	<u>Max. Rate</u>	<u>Intermediate Rate</u>	<u>Min. Rate</u>
Displacement Meters	98.5 – 101.5	98.5- 101.5	95 – 101
Multi-jet Meters	98.5 – 101.5	98.5- 101.5	97 – 103
Class I Turbine Meters	98 – 102		98 – 102
Class II Turbine Meters	98.5 – 101.5		98.5 – 101.5
Propeller Meters	98 – 102		98 – 102
	<u>Max. Rate</u>	<u>Change Over Point</u>	<u>Min. Rate</u>
Compound Meters	97 – 103	90- 103	95 – 101

In the case of a new meter or a meter reconditioned by the manufacturer, the test results of the manufacturer may be accepted the installation test.

6. Re-testing Schedule. All Commercial Meters are required to be tested and verified for compliance with the accuracy requirements, at intervals no greater than identified below:

<u>Meter Size</u> (inch)	<u>Interval Between Tests</u> (years)
2	4
3	3
4	2
6 & larger	1

7. Certification Requirements. Meters must be tested using a master meter that is calibrated with volume standards traceable to National Institute Standards & Technology (NIST). The documentation provided by the tester must indicate conformance with the NIST standard.

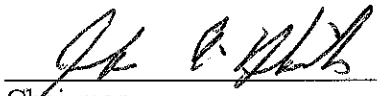
8. Penalties for Non-compliance. Noncompliance with the requirements of these Resolutions shall be a violation of RAWA's rules and regulations and shall be subject to the sanctions, including termination of water service, provided in RAWA's Water Service Resolution. Further, failure to engage in the required testing or to replace or repair a Commercial Meter, or to bring the installation configuration up to required specifications, as required hereby may result in the following (which is cumulative and is not in lieu of other sanctions that may be imposed by RAWA): a) RAWA will add to the

first water bill after the any testing date has passed a surcharge equal to 10% of the bill; and b) RAWA will add to each subsequent water bill after the first bill following the respective testing date has passed an additional 10% surcharge until the customer meets the requirements of these Resolutions.


9. Effective Date. These Resolutions shall be effective immediately.

IN WITNESS WHEREOF, the aforesaid Resolutions have been adopted by majority vote of a quorum of the Board of Reading Area Water Authority at a duly advertised public meeting held August 11, 2009.

READING AREA WATER AUTHORITY



Chairman



Secretary