



### **FLOW METERING FOR COMMISSIONING OF NEW WATER MAINS**

Water Resources is implementing changes to the required process to be followed during the commissioning of new potable water mains, to support improved auditing of the City of Calgary's non-revenue potable water. The volume of all water flushed from the system during the commissioning inspection process shall be captured and reported through the use of a stopwatch and a pitot-style gauge, or other suitable flow meter product. In addition, suitable backflow prevention, such as a one-way check valve or vacuum breaker, will be required to avoid potential contamination of the water supply.

The existing Flushing Permit Procedure section will be updated to include sections to report flush duration, flow, and totalized volume. Water Resources does not intend to charge for the use of water necessary for commissioning.

The City of Calgary Waterworks Specifications will be updated to reflect the new requirements.

A flushing demonstration session will be hosted in the fall of 2021 to model the required process for interested parties.

**Water Resources/Water Services is seeking feedback from the industry on the interest in the City developing a rental program (similar to the Hydrant Connection Unit program) for the required equipment to complete the monitoring. Please inform Monica Bramley as soon as possible (before September 10) if you will require unit(s) to be available for rent by the City.**

The proposed timing for implementation of the updated requirements is the spring of 2022.

For more information, please contact Monica Bramley, Infrastructure Engineer – Infrastructure Planning at [monica.bramley@calgary.ca](mailto:monica.bramley@calgary.ca).