

DATE OF MEETING MAY 14, 2018

AUTHORED BY DORIS FOURNIER, MANAGER, MUNICIPAL INFRASTRUCTURE

SUBJECT 11-5600-03 WATER METERING POLICY

OVERVIEW

Purpose of Report

To present options and recommendations regarding the “11-5600-03 Water Metering Policy”.

Recommendation

That Council approve “11-5600-03 Water Metering Policy” dated 2018-MAY-14.

BACKGROUND

Water meters represent an important component of the municipal water system as they measure the consumption of water by users. They are proven tools used for water conservation, equity billing, minimizing system losses, and delaying supply, treatment and conveyance infrastructure upgrades.

With the mandatory metering program implemented decades ago, the City has approximately 25,350 meters, consisting of about 24,000 residential meters and approximately 1,350 ICI (industrial / commercial / institutional) meters. These meters service approximately 91,000 people. With an estimated service life of 20 years, a large portion of the City’s water meters will require renewal in the next five (5) years.

Following good asset management practices, there is an ongoing need to upgrade and replace ageing water meter infrastructure. With the average age of the water meter infrastructure nearing its expected useful life, an initiative was undertaken to look at the entire meter life cycle and compatibility with reading systems and interface software.

This Policy is important to the City, as the purveyor of water, owner of the infrastructure and governing body.

The main aspects of the Water Meter Policy include:

- That the vision and goals of the City, as articulated in the Official Community Plan, are realized from the development of strategies, plans and standards for water meters.
- That consultants, contractors, developers and Staff have a clear vision of metering requirements.
- Technology selection guidelines that will enhance the long-term value of the service provided and ensure sustainment of the processes.
- Coherence with the Cross Connection Control Bylaw.

The proposed Water Metering Policy was presented to the Public Works and Engineering Committee on 2018-JAN-23. The Committee requested some minor changes to the policy and passed a motion endorsing the “11-5600-03 Water Metering Policy”.

OPTIONS

1. That Council approve “11-5600-03 Water Metering Policy” dated 2018-MAY-07:
 - **Budget Implication:** With the City already fully metered, there should be no direct financial implications to implement this Policy. However, the Policy is meant to guide asset management decisions and the selection of technology that may have direct and indirect impacts in the future.
2. That Council provide alternate direction.

SUMMARY POINTS

- Water meters represent an important component of the municipal water system.
- The Policy is relevant to the City, as the purveyor of the water, the owner of the infrastructure and the governing body.
- The Policy will ensure that consultants, contractors, developers and Staff have a clear vision of metering requirements and coherence with the Cross Connection Control Bylaw.

ATTACHMENTS

Attachment A - “11-5600-03 Water Metering Policy”

Attachment B - 2017 Water Metering Strategy

Attachment C – April 5, 2018 letter from KWL Re: Review of the City of Nanaimo’s Water Draft Water Metering Policy and Water Metering Strategy

Submitted by:

Doris Fournier
Manager, Municipal Infrastructure

Concurrence by:

Poul Rosen
Senior Manager, Engineering