

ATTACHMENT “C”

Summary of Proposed Updates and Additions to the Water Meter Provisions in By-law 1602

The proposed “Water Meter By-law 2012 – ” (hereafter referred to as “the **New By-law**”) includes changes, revisions, and additions to the existing “Waterworks System By-law 1602” (hereafter referred to as “**By-law 1602**”) as follows:

Sections have been revised and/or expanded to replace those in **By-law 1602** with incorporation of the current City policy and requirements on water metering, including:

Sections of New By-law	Related Sections of By-law 1602	Changes/Revisions/Additions	Benefits by Implementing the New By-law
5.0.0 - Water to be Metered	27 30 31	<ul style="list-style-type: none"> Quarterly meter reads are changed to bi-monthly & monthly for residential & ICI respectively Minimum meter rate fixed by Council is no longer valid Exceptions to “water to be metered” are added Flat-rate water charge is added, and flat-rate customer is required to install a new meter within one (1) year 	<ul style="list-style-type: none"> Updated definitions on Water to be Metered and exceptions Ensure accurate recording of volume of water being consumed and provide equitable basis for cost recovery from the consumers
5.0.1 - Installation of Residential Water Meter	25	<ul style="list-style-type: none"> No building occupancy allowed prior to meter installation is added A flat-rate fee is added to charge customer for occupying a building prior to meter installation Clauses related to AMR/AMI are added 	<ul style="list-style-type: none"> No building occupancy prior to installation of Water Meter and application of flat-rate charge in case building occupancy without Water Meter to minimize lost revenue City with authority of installing AMR/AMI equipment on residential Property for future deployment of the AMR/AMI program
5.0.2 - Installation of ICI Water Meter	25	<ul style="list-style-type: none"> No building occupancy allowed prior to meter installation is added Clauses related to AMR/AMI are added 	<ul style="list-style-type: none"> No building occupancy prior to installation of Water Meter to minimize lost revenue City with authority of installing AMR/AMI equipment on ICI Property for future deployment of the AMR/AMI program
5.0.3 Supply of Water Meter	25 (2) 25 (3)	<ul style="list-style-type: none"> City ownerships of water meter and AMR/AMI components are added 	<ul style="list-style-type: none"> Updated indication on City ownership of all Water Meters and appurtenance, including AMR/AMI components
5.0.4 Application for Water Meter	25	<ul style="list-style-type: none"> Meter application is expanded for residential Infill Home and ICI developments 	<ul style="list-style-type: none"> City with authority to set Water Meter application requirements for Infill Home and ICI Property and related fees and charges
5.0.5		<ul style="list-style-type: none"> Meter sizing requirement is added 	<ul style="list-style-type: none"> City with authority to determine the final

Size of Water Meter	25		Water Meter size
5.0.6 Water Meter Loss or Damage	25 (2)	<ul style="list-style-type: none"> Water meter damage from freezing is added 	<ul style="list-style-type: none"> City with authority to recover the repair or replacement cost for Water Meter damaged or lost due to the carelessness or negligence of the Owner
5.0.7 Notification by Owner	25	<ul style="list-style-type: none"> Requirement on the Owner to provide immediate notification to the City once his Property is ready for meter installation is added 	<ul style="list-style-type: none"> Ensure timely installation of Water Meter upon approval of Plumbing inspection on a Property to minimize lost revenue
5.0.8 Provision for Installation of a Water Meter	25 30 (1)	<ul style="list-style-type: none"> Requirement on piping and plumbing is changed to accommodate water meter of the same diameter as private water service pipe 	<ul style="list-style-type: none"> Ensure Private Water Piping of the same diameter as the Water Meter and in accordance with the City Standards and Specifications
5.0.9 Water Meter By-Pass Piping	25 (3)	<ul style="list-style-type: none"> Requirements on by-pass piping and related compliance are added 	<ul style="list-style-type: none"> Ensure Water Meter by-pass piping and valve in accordance with the City Standards and Specifications City with authority to recover fees and/or charges from the Owner for any non-compliance by-pass piping and valve
5.0.10 Water Meter Chamber	28 (2)	<ul style="list-style-type: none"> Water meter chamber requirements are expanded Requirements on the Owner to provide unobstructed access to meter chamber, and chamber cover type remote readout unit are added 	<ul style="list-style-type: none"> Ensure Water Meter Chamber and Remote Readout Unit in accordance with the City Standards and Specifications Ensure unobstructed access to Water Meter Chamber at all time
5.1.1 Water Meter Access	28 (1)	<ul style="list-style-type: none"> Clause on water meter access is expanded New clauses are added to include an effective mechanism for the City to carry out the work related to meter access and recover the cost of such work, to take visual reading if water meter is not equipped with remote readout unit, and to reserve the right to take pictures of meter and surroundings 	<ul style="list-style-type: none"> Ensure unobstructed access to Water Meter at all time City with authority to issue order to rectify non-compliance City with authority to correct the non-compliance due to non-response or refusal and recover fees/charges from the Owner
5.2.2 Water Meter Accuracy	26 29 32 33	<ul style="list-style-type: none"> Clauses on water meter accuracy are revised Reference to AWWA Standards is included Credit adjustment for meter over-registering is defined 	<ul style="list-style-type: none"> Effective mechanism for requesting Water Meter test in case of suspicious abnormal Meter readings Credit adjustment for Meter over-registering in excess of 1.5% and limit of credit adjustment period

Sections are added in the **New By-law** to address specific issues related to the current water meter programs, which are lacking in **By-law 1602**, including:

Sections of New By-law	Additions	Benefits by Implementing the New By-law
5.1.0 Water Meter Inspection and Sealing	The City will inspect and seal a water meter upon completion of installation or relocation of the water meter.	<ul style="list-style-type: none"> • City with authority to inspect and seal a water meter at the time of meter installation or relocation to minimize Meter tampering
5.1.2 Water Meter Interference Prohibited	Any person who interferes with a water meter, including reversing, tampering, unsealing, illegal connection upstream of a water meter is in contravention of the New By-law.	<ul style="list-style-type: none"> • City with authority to effectively reduce the occurrence of meter interference
5.2.0 Maintenance of Water Meter Appurtenances and Piping	City requirements and associated fees and/or charges related to maintenance, repair and replacement of piping, fittings and valves to, from and around a water meter.	<ul style="list-style-type: none"> • City with authority to reduce the number of non-compliances in terms of installation and maintenance of water meter piping and appurtenance • City with authority to request the Owner to make necessary changes if not in compliance with City Standards • City with authority to recover the cost from the Owner for repair and inspection for non-compliance
5.2.1 Maintenance of Chambers	City requirements and associated fees and/or charges related to maintenance, repairing and replacing of water meter and sprinkler meter chambers	<ul style="list-style-type: none"> • Mandatory for the Owners to maintain unobstructed access to meter chambers
5.2.3 Relocation of Water Meter	City requirements and associated fees and/or charges related to relocation of existing water meter.	<ul style="list-style-type: none"> • City approval requirement on meter relocation • City with authority to request meter relocation at Owner's expense, in case of meter location not in compliance with City Standards
5.2.4 Water Meter Leaks	City maintenance program for repairing leak at the water meter or its coupling.	<ul style="list-style-type: none"> • Requirements on the Owner to report meter leaks to City • City to repair the leak in a timely manner, and at the same time reduce water loss, which is in line with water conservation initiatives
5.2.5 Water Meter Replacement	City annual Water Meter Replacement program for replacing water meter near end of its lifecycle.	<ul style="list-style-type: none"> • City with authority to effectively and efficiently carry out the annual lifecycle-based water meter replacement program, and considerably reduce the occurrences of home refusals and non-responses
5.3 Sprinkler Meter	City fees and/or charges related to turning water supply off and back on for the property where the sprinkler meter is located as requested by the owner or occupier.	<ul style="list-style-type: none"> • City with authority to recover costs for annual Turn Water on/off for sprinkler meters
5.4 Building Demolition	City requirements on meter final reads, water supply shut off, water meter removal, and building demolition, and the related fees and/or charges prior to building demolition.	<ul style="list-style-type: none"> • City to have an effective way of sequencing meter final reads, water supply shut off, water meter removal prior to building demolition

<p>6. Take Water from Fire Hydrant</p>	<p>City permit requirement and related fees and/or charges for a Person to take water from the City's hydrant.</p>	<ul style="list-style-type: none"> • City with authority to recover costs/fees for hydrant permit applications, meter and backflow preventer rental and water use at hydrants
<p>8. Penalty Provisions</p>	<p>Any Person in contravention of any provisions of the New By-law is guilty of an offence and is liable upon conviction to a maximum fine as established pursuant to the <i>Building Code Act</i>, as amended.</p>	<ul style="list-style-type: none"> • City with authority to deal with any offence affecting proper functioning of water meter • City with authority to set fines based on the severity of violation and prior convictions • City with authority to set special fines on any Person who gains an economical advantage obtained from contravention of the New By-law