



City of Richmond

Report to Council

To: Richmond City Council
From: Andrew Nazareth
General Manager, Business & Financial
Services

Date: November 17, 2009
File: 03-0970-01/2009-Vol
01

Robert Gonzalez, P. Eng., General Manager,
Engineering & Public Works

Re: 2010 Utility Rate Amendment Bylaws

Staff Recommendation

That the following bylaws be introduced and given first, second and third readings:

- a) Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 8550;
- b) Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 8549;
- c) Waterworks and Water Regulation and Rates Bylaw No. 5637, Amendment Bylaw No. 8548.

Andrew Nazareth
General Manager, Business &
Financial Services
(4365)

Robert Gonzalez, P. Eng.
General Manager, Engineering
& Public Works
(4150)

Att.3

FOR ORIGINATING DEPARTMENT USE ONLY			
ROUTED TO:		CONCURRENCE	CONCURRENCE OF GENERAL MANAGER
Law		Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
REVIEWED BY TAG		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	REVIEWED BY CAO YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

Staff Report

Origin

At their November 16, 2009 meeting, Finance Committee approved the following staff recommendation:

1. That the 2010 Utility Expenditure Budgets, as recommended under Option 3 for each utility in the staff report dated October 30, 2009 from the General Managers of Business & Financial Services and Engineering & Public Works, be approved as the basis for establishing the 2010 Utility Rates; and
2. That staff be directed to report directly to Council with the necessary amendment bylaws to bring into effect the 2010 utility rates option recommended by Committee and the bylaw provision amendments described in the staff report for the Drainage, Dyke and Sanitary Sewer System Bylaw, Waterworks and Water Rates Bylaw, and Solid Waste and Recycling Regulation Bylaw.

This report presents the corresponding amendment bylaws.

Analysis

A summary of the changes to each of the Solid Waste & Recycling Bylaw No. 6803, Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, and the Waterworks and Water Rates Bylaw No. 5637, as outlined in the "2010 Utility Budgets and Rates" report dated October 30, 2009, follows:

1. **Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw 8550**
 - Changes to enact the 2010 solid waste and recycling rates as outlined in Option 3 of the above-referenced report.
2. **Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 8549**
 - Enacts the 2010 drainage, dyke and sanitary sewer rates as outlined in Option 3 of the above-referenced report.
 - Introduces a leak rate to recover lost revenues associated with water leaks which enter the City's sewer system. Includes provisions to reduce or waive the sewer leak rate charge in those situations where some or all of the leaked water did not enter the City's sewer system.
 - Eliminates preconstruction sewer charges for developments which are outside of the sewerage area.
 - Increases the design plan fee from \$500 to \$1000 to provide full cost recovery for design plans prepared by the City.

3. Waterworks and Water Regulation and Rates Bylaw No. 5637, Amendment Bylaw No. 8548

- Enacts the 2010 water rates as outlined in Option 3 of the above-referenced report.
- Provides for a continuation of the voluntary water metering program for single-family homes.
- Provides for voluntary water metering to multi-family properties to allow for a rebate of the actual cost of the water meter installation to a maximum of: i) \$60,000, or ii) \$500/unit, whichever is greater.
- Specifies locations where water meters are to be located for new and existing multi-family properties and the party responsible for installing water meters.
- Increases the fee for failure to return a curb stop turn-off key from \$100 to \$200 for each occurrence.
- Increases the design plan fee from \$500 to \$1000 to provide full cost recovery for design plans prepared by the City.
- Amalgamates fees and schedules to streamline and clarify amounts.

Financial Impact

The rates outlined in the proposed amending bylaws represent full cost recovery for each respective area.

Conclusion

The amendment bylaws presented with this report support Council's term goals in the areas of financial management and sustainability. The rates presented ensure a sound financial management approach to maintain and replace key infrastructure within the City, while at the same time managing the fiscal challenges presented by funding pressures from increases in regional costs. Further, the City's water conservation strategies are yielding financial benefits through reduced water purchase costs, while at the same time helping to conserve this important natural resource.



Suzanne Bycraft
Manager, Fleet & Environmental Programs
(604-233-3338)

SJB:



**Solid Waste & Recycling Regulation Bylaw 6803,
Amendment Bylaw 8550**

The Council of the City of Richmond enacts as follows:

1. The **Solid Water and Recycling Regulation Bylaw No. 6803**, as amended, is further amended by deleting Schedules A through D and substituting Schedules A through D attached to and forming part of this Bylaw.
2. This Bylaw comes into force and effect on January 1, 2010.
3. This Bylaw is cited as "**Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw 8550**".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

MAYOR

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept. 
APPROVED for legality by Solicitor 

SCHEDULE A to BYLAW 6803

FEES FOR CITY GARBAGE COLLECTION SERVICE		
Annual City garbage collection service fee for each single-family dwelling, each unit in a duplex dwelling, and each unit in a townhouse development		
	\$	111.94
Fee for each excess garbage container tag	\$	2.00

SCHEDULE B to BYLAW 6803

FEES FOR CITY RECYCLING SERVICE		
Annual City recycling service fee:		
(a) for residential properties, which receive blue box service (per unit)	\$	49.84
(b) for multi-family dwellings or townhouse developments which receive centralized collection service (per unit)	\$	28.84
Annual recycling service fee for yard and garden trimmings from single-family dwellings and from each unit in a duplex dwelling	\$	42.34
City recycling service fee for the Recycling Depot:		
		\$20.00 per cubic yard for the second and each subsequent cubic yard
(a) (i) for yard and garden trimmings from residential properties		
(ii) for recyclable material from residential properties		\$0
(b) for yard and garden trimmings from non-residential properties		\$20.00 per cubic yard
(c) for recycling materials from non-residential properties		\$0
Annual City recycling service fee for non-residential properties	\$	1.72

SCHEDULE C to BYLAW 6803

FEES FOR CITY LITTER COLLECTION SERVICE		
Annual City litter collection service fee for both residential properties and non-residential properties		
	\$	25.32

SCHEDULE D TO BYLAW 6803

NEW RESIDENTIAL PROPERTY PAYMENT FEE SCHEDULE											
GARBAGE, RECYCLING & LITTER COLLECTION FEE				RECYCLING & LITTER COLLECTION FEE PER STRATA LOT							
Month in Current Year in which Building Permit is Issued	Single-Family Dwellings & Each Unit in a Duplex Dwelling			Townhouse Development		Townhouse Development		Multi-Family Development			
	Prorated Fee Per Unit	Year in which Annual Fee Commences	Year in which Annual Fee Commences	Prorated Fee Per Unit	Year in which Annual Fee Commences	Prorated Fee Per Unit	Year in which Annual Fee Commences	Prorated Fee Per Unit	Year in which Annual Fee Commences		
January 2010	\$ 103	2011	2011	\$ -	2011	\$ -	2011	\$ -	2011	\$ 24	2012
February 2010	\$ 86	2011	2011	\$ 155	2012	\$ 63	2012	\$ 20	2012	\$ 20	2012
March 2010	\$ 69	2011	2011	\$ 141	2012	\$ 57	2012	\$ 16	2012	\$ 16	2012
April 2010	\$ 52	2011	2011	\$ 127	2012	\$ 51	2012	\$ 12	2012	\$ 12	2012
May 2010	\$ 34	2011	2011	\$ 113	2012	\$ 46	2012	\$ 8	2012	\$ 8	2012
June 2010	\$ 17	2011	2011	\$ 99	2012	\$ 40	2012	\$ 4	2012	\$ 4	2012
July 2010	\$ -	2011	2011	\$ 85	2012	\$ 34	2012	\$ -	2012	\$ -	2012
August 2010	\$ 190	2012	2012	\$ 70	2012	\$ 29	2012	\$ 38	2013	\$ 38	2013
September 2010	\$ 173	2012	2012	\$ 56	2012	\$ 23	2012	\$ 35	2013	\$ 35	2013
October 2010	\$ 155	2012	2012	\$ 42	2012	\$ 17	2012	\$ 31	2013	\$ 31	2013
November 2010	\$ 138	2012	2012	\$ 28	2012	\$ 11	2012	\$ 28	2013	\$ 28	2013
December 2010	\$ 121	2012	2012	\$ 14	2012	\$ 6	2012	\$ 24	2013	\$ 24	2013



**Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551,
Amendment Bylaw 8549**

The Council of the City of Richmond enacts as follows:

1. The **Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551**, as amended, is furthered amended at Part Two:

- (a) by deleting sections 1.2.1(c) and (d) and substituting the following:

- (c) submit a design plan or a drawing of each proposed connection, including

- (i) existing services;

- (ii) proposed services; and

- (iii) the location of buildings, trees, driveways and sidewalks,

which plan or drawing has been prepared by a professional engineer in accordance with the current version of Design Specifications and Supplementary Specifications and Detail Designs, publications of the City's Engineering & Public Works Department; and

- (d) at the request of the **property owner** of a **one-family dwelling** or **two-family dwelling**, a design plan or drawing referred to in paragraph (c) may be prepared by the **City** for the fee specified in section 7 of Schedule A.

- (b) by deleting section 2.1.1 and substituting the following:

- 2.1.1 Unless otherwise provided in this Bylaw, every **property owner** whose property has been connected to the **City sanitary sewer** must pay user fees as follows:

- (a) for properties which are not **metered properties**, the flat-rate **sanitary sewer** user fees specified in Part 1 of Schedule B for the period from January 1 to December 31 of each year;

- (b) for **metered properties** which are not commercial, industrial, institutional or agricultural properties, the **sanitary sewer** metered rate or rates specified in Part 2 of Schedule B; and

- (c) for **metered properties** which are commercial, industrial, institutional or agricultural properties, the greater of:
 - (i) the **sanitary sewer** metered rate or rates specified in Part 2 of Schedule B; or
 - (ii) minimum **sanitary sewer** charge specified in Part 3 of Schedule B.

2.1.2 Every **property owner** whose property has been connected to the **City drainage system** must pay the **drainage system** infrastructure replacement fee of \$89.20 per property for the period January 1 to December 31 of each year.

- (c) by deleting section 2.2.1 and substituting the following:

2.2.1 Where a **property owner** applies for a building permit for a **one-family dwelling**, a **two-family dwelling** or a **multi-family dwelling** and such dwelling is located within an area where the **City sanitary sewer** system is available to the property, such **property owner** is required to pay the construction period **sanitary sewer** user fee specified in Part 4 of Schedule B.

- (d) by adding section 2.3A after section 2.3.2:

2.3A Underground Leaks

2.3A.1 In the case of an underground leak in a **metered property's** waterworks, if:

- (a) the **General Manager, Engineering and Public Works** is satisfied that the **property owner** did not know or could not reasonably have known about the leak; and
- (b) the **property owner** repairs the underground leak to the satisfaction of the **General Manager, Engineering and Public Works** within 96 hours of the **property owner's** discovery of the underground leak,

the **City** will determine and charge **sanitary sewer** user fees in accordance with section 2.3A.2 for both the billing period in which the leak was discovered and the previous billing period.

2.3A.2 The following applies if a **metered property** qualifies under section 2.3A.1 above:

- (a) The **City** will determine the average amount of water recorded for the **metered property** per billing period for the last twelve months, and if that information is unavailable, by using the average for the same type of property over the past 12 months (the "**average amount**").

- (b) Subject to section 2.3A.2(c), if the amount of water recorded for the **metered property** for the billing period in which the leak was discovered is greater than the **average amount**, or if the amount recorded for the **metered property** for the previous billing period is greater than the **average amount**, the **property owner** will pay:
 - (i) the regular **sanitary sewer** metered rate specified in Part 2 of Schedule B for all amounts recorded up to the **average amount**; and
 - (ii) the underground leak **sanitary sewer** metered rate specified in Part 2 of Schedule B for the amount recorded that exceeds the **average amount**.
 - (c) The **General Manager, Engineering & Public Works** may waive or reduce the user fees payable pursuant to section 2.3A.2(b) if:
 - (i) the **property owner** provides written confirmation satisfactory to the **General Manager, Engineering & Public Works** that all or part of the amount of water recorded for the **metered property** which exceeded the **average amount** did not enter the **City sanitary sewer** system.
- 2. The **Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551**, as amended, is furthered amended by deleting Schedules A and B and substituting Schedules A and B attached to and forming part of this Bylaw.
- 3. This Bylaw comes into force and effect on January 1, 2010.
- 4. This Bylaw is cited as "**Drainage, Dyke And Sanitary Sewer System Bylaw No. 7551 Amendment Bylaw No. 8549**".

FIRST READING


SECOND READING

THIRD READING

ADOPTED

 MAYOR

 CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept.

APPROVED for legality by Solicitor


SCHEDULE A to BYLAW NO. 7551**SANITARY SEWER AND DRAINAGE SYSTEM CONNECTION CHARGES****1. DEMOLITION CHARGES**

- | | |
|---|---------------|
| a) Cap and abandon existing service | \$ 1,000 each |
| b) Adjustment to top elevation of inspection chamber or manhole | \$ 1,000 each |
| c) Repair of inspection chamber | \$ 1,000 each |

2. INSPECTION CHAMBERS

- | | |
|---|---------------|
| a) Supply and installation of inspection chamber | \$ 2,500 each |
| b) Adjust existing inspection chamber | \$ 750 each |

3. CONNECTION TO MAIN

- | | |
|---|---------------|
| a) Connection to sewer main up to 1.5 metres deep | \$ 3,000 each |
| b) Connection to sewer main over 1.5 metres deep | By Estimate |

4. SERVICE PIPE

- | | |
|--|-----------------|
| a) Supply and install 100 mm–150 mm dia lateral pipe, up to 1.5 m in depth | \$400 per metre |
| b) Supply and install 200 mm dia lateral pipe, up to 1.5 metres in depth | \$450 per metre |
| c) Supply and install 250 mm dia lateral pipe, up to 1.5 m in depth | \$500 per metre |
| d) Supply and install 300 mm dia lateral pipe, up to 1.5 metres in depth | \$550 per metre |
| e) Supply and install 375 mm dia lateral pipe, up to 1.5 metres in depth | \$600 per metre |
| f) Supply and install 400 mm dia lateral pipe, up to 1.5 metres in depth | \$650 per metre |
| g) Supply and install 450 mm dia lateral pipe, up to 1.5 metres in depth | \$700 per metre |
| h) Supply and install 525 mm dia lateral pipe, up to 1.5 metres in depth | \$750 per metre |
| i) Supply and install 600 mm dia lateral pipe, up to 1.5 metres in depth | \$800 per metre |
| j) Supply and install 675 mm dia lateral pipe, up to 1.5 metres in depth | \$850 per metre |
| k) Supply and install 750 mm dia lateral pipe, up to 1.5 metres in depth | \$900 per metre |
| l) Supply and install service lateral pipe over 750 mm dia | By Estimate |
| m) Supply and install service pipe over 1.5 metres deep | By Estimate |

5. MANHOLES

- | | |
|--|---------------|
| a) Supply and install 1050 mm dia manhole, up to 1.5 metres in depth | \$ 6,000 each |
| b) Supply and install 1200 mm dia manhole, up to 1.5 metres in depth | \$ 6,500 each |
| c) Supply and install 1500 mm dia manhole, up to 1.5 metres in depth | \$ 7,000 each |
| d) Supply and install 1800 mm dia manhole, up to 1.5 metres in depth | \$ 7,500 each |
| e) Supply and install manholes over 1800 mm dia | By Estimate |
| f) Supply and install manholes over 1.5 metres deep | By Estimate |

6. SERVICE REQUESTS

For responses by the City in connection with a request for maintenance or emergency services [s. 2.6.1]

\$ 300 each

7. DESIGN PLAN PREPARED BY CITY [s. 1.2.1(d)]

\$ 1,000 each

SCHEDULE B to BYLAW NO. 7551**SANITARY SEWER USER FEES****1. FLAT RATES FOR NON-METERED PROPERTIES**

(a) Residential Dwellings	Annual Fee Per Unit
(i) One-Family Dwelling or Two-Family Dwelling with $\frac{3}{4}$ -inch water service	\$ 340.78
(i) One-Family Dwelling or Two-Family Dwelling with 1-inch or greater water service	See metered rates
(iii) Multiple-Family Dwellings of less than 4 storeys in height	\$ 311.81
(iv) Multiple-Family Dwellings 4 or more storeys in height	\$ 259.69
(b) Public School (per classroom)	\$ 315.78
(c) Shops and Offices	\$ 266.65

2. RATES FOR METERED PROPERTIES

Regular rate per cubic metre of water delivered to the property:	\$ 0.7729
Underground leak rate per cubic metre of water exceeding average amount (as defined in Section 2.3A.2(a)):	\$ 0.6183

3. RATES FOR COMMERCIAL, INDUSTRIAL, INSTITUTIONAL AND AGRICULTURAL

Minimum charge in any quarter of a year:	\$ 67.25
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SCHEDULE B to BYLAW NO. 7551**SANITARY SEWER USER FEES****4. CONSTRUCTION PERIOD – PER DWELLING UNIT**

Month (2010)	Single-Family Dwellings & Each Unit in a Duplex Dwelling (Rate per unit)	Start Bill Year	Multiple- Family Dwelling (less than 4 storeys in height) (Rate per unit)	Start Bill Year	Multiple- Family Dwelling (4 or more storeys in height) (Rate per unit)	Start Bill Year
January	\$ 341	2011	\$ 312	2011	\$ 545	2012
February	\$ 312	2011	\$ 629	2012	\$ 524	2012
March	\$ 284	2011	\$ 603	2012	\$ 502	2012
April	\$ 256	2011	\$ 577	2012	\$ 480	2012
May	\$ 227	2011	\$ 551	2012	\$ 459	2012
June	\$ 199	2011	\$ 525	2012	\$ 437	2012
July	\$ 170	2011	\$ 499	2012	\$ 415	2012
August	\$ 514	2012	\$ 473	2012	\$ 394	2013
September	\$ 483	2012	\$ 447	2012	\$ 372	2013
October	\$ 452	2012	\$ 421	2012	\$ 351	2013
November	\$ 420	2012	\$ 395	2012	\$ 329	2013
December	\$ 389	2012	\$ 369	2012	\$ 307	2013



**Waterworks and Water Rates Bylaw No. 5637,
Amendment Bylaw 8548**

The Council of the City of Richmond enacts as follows:

1. The **Waterworks And Water Rates Bylaw No. 5637**, as amended, is further amended:

(a) at Section 1 by adding the following definition in alphabetical order:

STRATA CORPORATION means the strata corporation responsible for a strata titled **multi-family dwelling** property

(b) by deleting Section 2(a) and substituting the following:

(a) Every **property owner** wishing to connect a property to the **City** water system must, prior to making such a connection:

- (i) apply to the **City** to make a water connection;
- (ii) pay the applicable water connection charge specified in section 1 of Schedule D;
- (iii) submit a design plan or drawing of each proposed connection, including:

- a. existing services;
- b. proposed services; and
- c. the location of buildings, trees, driveways, and sidewalks,

which plan or drawing has been prepared by a professional engineer in accordance with the current version of Design Specifications and Supplementary Specifications and Detail Designs, publications of the City's Engineering & Public Works Department.

(c) by deleting Section 2(d) and substituting the following:

(d) At the request of the **property owner** of a **one-family dwelling** or **two-family dwelling**, a design plan or drawing referred to in subsection 2(a)(iii) may be prepared by the **City** for the fee specified in section 2 of Schedule D.

(d) by deleting Section 3A in its entirety and substituting the following:

3A. Requirement to Install Water Meter

- (a) Where an application for a **building permit** has been made for works valued at more than \$75,000, a **water meter** must be installed at the subject property and the **property owner** must pay the applicable connection charge specified in section 1 of Schedule D.
- (b) The **City** will install the **water meter** for all **water meter** installations under this bylaw, except:
 - (i) where there is a site servicing agreement with respect to the property; or
 - (ii) where the **General Manager, Engineering & Public Works** determines that installation of a **water meter** by the **property owner** would:
 - A) be cost-efficient;
 - B) capture all water usage by the property; and
 - C) provide the City with readily available access to the **water meter**.

In the case of either subsection 3A(b)(i) or 3A(b)(ii) above, the **property owner** or **property owners** are responsible for installing the **water meter**. Unless otherwise provided in this bylaw, the **property owner** or **property owners** will pay the applicable connection charge specified in section 1 of Schedule D.

- (e) by deleting Section 9 in its entirety and substituting the following:

9. **Metering of Multi-Family Dwelling Properties**

- (a) For all new **multi-family dwelling** properties and for existing **multi-family dwelling** properties that apply for metered water service:
 - (i) a **water meter** will be installed at each of the **service pipe** connections at or near the property line; or
 - (ii) if the **General Manager, Engineering & Public Works** determines that separate metering for water usage by different dwellings, buildings or areas within a **multi-family dwelling** property would:
 - A) be cost-efficient;
 - B) capture all water usage by the property; and

- C) provide the City with readily available access to the **water meter or water meters**,

the **General Manager, Engineering & Public Works** may permit, in addition to or in place of **water meters** installed pursuant to subsection 9(a)(i), **water meters** to be installed in the following locations:

- D) at all **service pipe** connections in the mechanical room or the **service pipe** junction of one or more buildings within the **multi-family dwelling** property; or

- E) at the water connection for each dwelling unit and each common area within the **multi-family dwelling** property.

- (b) For all existing **multi-family dwelling** properties which do not have metered water service:

- (i) the **property owner** or **property owners** may apply to the **City** for one or more metered water service by submitting:

- A) a written request, if the property is not a strata development; or

- B) a resolution of the Strata Council of the **Strata Corporation** authorizing the change to metered water service, if the property is a strata development;

- (ii) the **City** will reimburse to the **property owner**, if the property is not a strata development, or the **Strata Corporation**, if the property is a strata development, the actual cost incurred to establish one or more new metered water service, to a maximum of the greater of:

- A) \$60,000.00 per **multi-family dwelling** property; or

- B) \$500.00 per dwelling unit within a **multi-family dwelling** property.

- (c) If **water meters** for a **multi-family dwelling** property have been installed in accordance with subsection 9(a)(ii)(E), the **City** will issue a bill for each dwelling unit to the **property owner** of the dwelling unit and a bill for the common area(s) to the **property owner** of the **multi-family dwelling** property or the Strata Council of the **Strata Corporation**, whichever is applicable. In all other cases, the City will issue a single bill to the **property owner** of the **multi-family dwelling** property or the Strata Council of the **Strata Corporation**, whichever is applicable.

- (f) by deleting Section 11 in its entirety and substituting the following:

11. **Turn On and Shut Off**

(a) **Non-Emergency Service Call During Regular Working Hours**

- (i) An owner may, in writing, apply to the **General Manager, Engineering & Public Works** for the turning on or the shut off of water, such application to be submitted at least 5 days in advance of the requested turn-off.
- (ii) A customer shall be liable for the full amount of the water rates and rents chargeable for the services up to the time the service is turned off.
- (iii) Every person shall pay the charges set out in Schedule "F" hereto for each turn on or turn off.

(b) **Emergency Service Calls**

- (i) Every person requesting an emergency service call to turn water off or on must pay the turn off and turn on charges specified in Section 2 of Schedule F.

(c) **Non-Emergency Service Call Outside Regular Working Hours**

- (i) Every person requesting non-emergency service calls to turn water off or on outside regular working hours shall pay the charge set out in Section 3 of Schedule "F" hereto.

(d) **Loaning of Curb Stop Turn-Off Key**

- (i) A property owner wishing to turn off the water supply to a property may borrow a **curb stop** turn-off key from the **City** for a period of one week by completing a key sign-out form.
- (ii) A property owner who fails to return a borrowed **curb stop** turn-off key within one week must pay \$200 within 60 days, failing which the \$200 fee will be added to the water bill for the property.

- (g) by deleting Section 22(b) and substituting the following:

- (b) Where a person is required by this bylaw to install a **water meter**, such person must:

- (i) use a **water meter** supplied by the **City**;
 - (ii) pay, prior to installation, the applicable connection charge specified in section 1 of Schedule D; and
 - (iii) following installation, pay for water consumption at the rates specified in Schedule B and pay the **water meter** rental charge specified in Schedule B.
- (h) by deleting Section 22A in its entirety and substituting the following:

22A. Voluntary Water Metering

- (a) Where an owner of an existing **one-family dwelling** requests to have a **water meter** installed and connected to the **City** water service, the **City** will supply and install the **water meter** at no charge.
 - (b) Where one owner of an existing **two-family dwelling** requests to have a **water meter** installed and connected to the **City** water service, and the existing **two-family dwelling** has a shared water service, the **City** will supply and install one **water meter** at no charge, provided the plumbing to each dwelling unit is separated. The **City** will reimburse only the owner making the initial request up to an amount of \$3,000.00 (as determined by the **City** in its sole discretion) of the cost of the owner making the necessary plumbing alterations to allow for individual metering of one of the **two-family dwellings**. The owner of the **two-family dwelling** not having individual metering shall be charged a flat rate until such time as that owner requests to have a **water meter** installed and connected to the **City** water service. At that time the **City** will supply and install the **water meter** at no charge.
2. The **Waterworks And Water Rates Bylaw No. 5637**, as amended, is further amended by deleting Schedules A through G in their entirety and substituting Schedules A through G attached to and forming part of this Bylaw.
 3. This Bylaw comes into force and effect on January 1, 2010.
 4. This Bylaw is cited as "**Waterworks And Water Rates Bylaw No. 5637, Amendment Bylaw No. 8548**".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

MAYOR

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept. 
APPROVED for legality by Solicitor 

SCHEDULE "A" to BYLAW NO. 5637**BYLAW YEAR - 2010****FLAT RATES FOR RESIDENTIAL, AGRICULTURAL, AND
INSTITUTIONAL PURPOSES ONLY**

A.	Residential Dwellings per unit	
	Dwellings with 20 mm (¾") water service	\$525.23
	Dwellings with 25mm (1") water service or greater	See Metered Rates – Schedule B
	Townhouse	\$429.96
	Apartment	\$277.06
B.	Stable or Barn per unit	\$105.83
C.	Field Supply – each trough or water receptacle or tap	\$66.15
D.	Public Schools for each pupil based on registration January 1 st	\$6.26

SCHEDULE B to BYLAW NO. 5637**BYLAW YEAR – 2010****METERED RATES**

(Page 1 of 2)

**METERED COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL PROPERTIES
AND MULTIPLE-FAMILY AND STRATA TITLED PROPERTIES****1. RATES**

All consumption per cubic metre:	\$0.9277
Minimum charge in any 3-month period:	\$95.00
Undetected leak rate per cubic metre (per section 25B of this bylaw):	\$0.4955

2. RENTS FOR EACH METERRent per **water meter** for each 3-month period:

For a 16mm (5/8") meter	\$11.50
For a 20mm (3/4") meter	\$14.65
For a 25mm (1") meter	\$16.20
For a 32mm (1 1/4") meter	\$28.25
For a 40mm (1 1/2") meter	\$28.25
For a 50mm (2") meter	\$32.00

COMPOUND TYPE

75mm (3")	\$108.00
100mm (4")	\$165.00
150mm (6")	\$275.00

TURBINE TYPE

50mm (2")	\$63.50
75mm (3")	\$81.50
100mm (4")	\$118.00
150mm (6")	\$225.50
200mm (8")	\$293.00

FIRE LINE TYPE

100mm (4")	\$283.75
150mm (6")	\$383.00
200mm (8")	\$497.25
250mm (10")	\$662.00

SCHEDULE B to BYLAW NO. 5637**BYLAW YEAR – 2010****METERED RATES**

(Page 2 of 2)

METERED RESIDENTIAL PROPERTIES**1. RATES**

All consumption per cubic metre:	\$0.9277
Minimum charge in any 3-month period:	\$20.00
Underground leak rate per cubic metre (per section 25B of this bylaw):	\$0.4955

2. MAINTENANCE CHARGE FOR EACH METER

Maintenance charge for water meter with connection up to 50mm (2") for each 3-month period:	\$10.00*
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*For residential properties with a connection greater than 50mm (2"),
the commercial and industrial properties rental rates apply.

SCHEDULE C to BYLAW NO. 5637**BYLAW YEAR - 2010****METERED RATES****FARMS****1. RATES**

All consumption per cubic metre: \$0.9277

Minimum charge per 3-month period*:

For 1st quarter billing (January – March inclusive) for 90m³ or less \$95.00

For 2nd quarter billing (April – June inclusive) for 95m³ or less \$95.00

For 3rd quarter billing (July – September inclusive) for 140m³ or less \$95.00

For 4th quarter billing (October - December inclusive) for 90m³ or less \$95.00

*No minimum charge applies where there is no dwelling on the property.

2. MAINTENANCE CHARGE FOR EACH METER

Maintenance charge for meter up to 25mm (1") for each 3-month period \$10.00*

*Applies only to properties with no dwelling.

SCHEDULE D to BYLAW 5637**BYLAW YEAR - 2010****1. WATER CONNECTION CHARGE**

Single-Family, Multi-Family, Industrial, Commercial Water Connection Size	Connection Charge	
	Tie In Charge	Price Per Metre of Service Pipe
25mm (1") diameter	\$2,550	\$175.00
40mm (1 ½") diameter	\$3,500	\$175.00
50mm (2") diameter	\$3,650	\$175.00
100mm (4") diameter	\$6,900	\$350.00
150mm (6") diameter	\$7,100	\$350.00
200mm (8") diameter	\$7,300	\$350.00
larger than 200mm (8") diameter	by estimate	by estimate

2. DESIGN PLAN PREPARED BY CITY

Design plan prepared by City [s. 2(d)] \$1000 each

SCHEDULE E to BYLAW 5637**BYLAW YEAR - 2010****CONSTRUCTION PERIOD WATER CONSUMPTION RATES –
RESIDENTIAL**

MONTH (2010)	SINGLE- FAMILY DWELLINGS & EACH UNIT IN A DUPLEX DWELLING (rate per unit)	START BILL YEAR	MULTI-FAMILY APARTMENT LESS THAN 4 STOREYS (rate per unit)	START BILL YEAR	MULTI- FAMILY APARTMENT 4 STOREYS & UP (rate per unit)	START BILL YEAR
January	\$ 525	2011	\$ 430	2011	\$ 582	2012
February	\$ 481	2011	\$ 867	2012	\$ 559	2012
March	\$ 438	2011	\$ 831	2012	\$ 536	2012
April	\$ 394	2011	\$ 795	2012	\$ 513	2012
May	\$ 350	2011	\$ 760	2012	\$ 489	2012
June	\$ 306	2011	\$ 724	2012	\$ 466	2012
July	\$ 263	2011	\$ 688	2012	\$ 443	2012
August	\$ 792	2012	\$ 652	2012	\$ 420	2013
September	\$ 744	2012	\$ 616	2012	\$ 397	2013
October	\$ 696	2012	\$ 580	2012	\$ 374	2013
November	\$ 648	2012	\$ 545	2012	\$ 351	2013
December	\$ 600	2012	\$ 509	2012	\$ 328	2013

**CONSTRUCTION PERIOD WATER CONSUMPTION RATES –
COMMERCIAL AND INDUSTRIAL**

Water Connection Size	Consumption Charge
20mm (3/4") diameter	\$135
25mm (1") diameter	\$270
40mm (1 1/2") diameter	\$675
50mm (2") diameter	\$1,690

SCHEDULE F to BYLAW 5637**BYLAW YEAR - 2010****MISCELLANEOUS CHARGES**

1.	For an inaccessible meter as set out in Section 7	\$40 per month
2.	For each turn on or turn off	\$65
3.	For each non-emergency service call outside regular hours	Actual Cost
4.	Deposit for testing a meter as set out in Section 26	\$350
5.	Water Service Disconnections:	
	(a) when the service pipe is temporarily disconnected at the property line for later use as service to a new building	\$165
	(b) when the service pipe is not needed for a future development and must be permanently disconnected at the watermain, up to and including 50mm	\$1,100
	(c) if the service pipe is larger than 50mm	Actual Cost
6.	Trouble Shooting on Private Property	Actual Cost
7.	Fire flow tests of a watermain:	
	First test	\$250
	Subsequent test	\$150
8.	Locate or repair of curb stop service box	Actual Cost

SCHEDULE G to BYLAW 5637**BYLAW YEAR - 2010****RATES FOR VANCOUVER INTERNATIONAL AIRPORT AUTHORITY (YVR)**

Applicable rate is \$0.4955 per cubic meter of water consumed, plus the following amounts:

- YVR's share of future water infrastructure capital replacement calculated at \$0.2253 per m³
- 50% of the actual cost of operations and maintenance activities on water infrastructure shared by the **City** and YVR, as shown outlined in red on the plan attached as Schedule H
- 100% of the actual cost of operations and maintenance activities on water infrastructure serving only YVR, as shown outlined in red on the plan attached as Schedule H
- 100% of the actual cost of operations and maintenance activities on a section of 1064 m water main, as shown outlined in green on the plan attached as Schedule H from the date of completion of the Canada Line public transportation line for a period of 5 years. After the 5 year period has expired, costs for this section will be equally shared between the **City** and YVR.

(Note: water infrastructure includes water mains, pressure reducing valve stations, valves, hydrants, sponge vaults and appurtenances)