




To: Richmond City Council Date: November 13, 2007  
 From: Andrew Nazareth File: 03-0970-01/2007-Vol 01  
 General Manager, Business & Financial Svcs

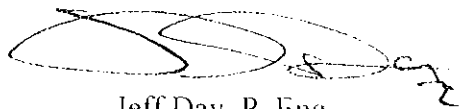
Jeff Day, P. Eng., General Manager –  
 Engineering & Public Works

Re: 2008 Utility Rate Bylaws

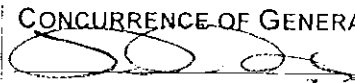

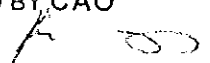
**Staff Recommendation**

1. That the following bylaws, which will bring into effect the 2008 Utility Rates be introduced and given first, second and third readings:
  - a) Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 8284.
  - b) Solid Waste and Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 8315,
  - c) Waterworks and Water Regulation and Rates Bylaw No. 5637, Amendment Bylaw No. 8312.
  
2. That the Mayor and Director, City Clerk's Office be authorized to execute the agreement dated September 28, 2007 with the Vancouver International Airport Authority, which clarifies maintenance responsibility for watermains situated under the Canada Line tracks.

  
 Andrew Nazareth  
 General Manager, Business  
 & Financial Services (4095)

  
 Jeff Day, P. Eng.  
 General Manager, Engineering  
 & Public Works (4019)

Att. 4

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 13, 2007 meeting, Council approved the 2008 utility expenditure budgets and rates as per Option 3 of the staff report dated October 25, 2007, "2008 Utility Budgets" from the managers of Water, Sewerage & Drainage, Revenue and Fleet & Environmental Programs. Council directed staff to report direct to Council with the necessary amendment bylaws to bring the new rates and other authorized changes into effect.

This report responds to that request and presents the corresponding amendment bylaws for first three readings.

### Analysis

A brief summary of changes to each of the Water, Sewer and Solid Waste/Recycling amendment bylaws, as presented in the "2008 Utility Budgets" report dated October 25, 2007 follows:

1. *Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 8284:*
  - Enacts the 2008 sewer rates as outlined in Option 3 of the above-referenced report.
  - Prohibits oil or grease discharge to the sanitary or drainage system; establishes penalties for non-compliance, including a fine of up to \$10,000; delegates entry and inspection powers to the General Manager of Engineering and Public Works and an employee acting under his supervision; and outlines recovery of City costs as authorized by the *Community Charter*.
  - Requires an engineered design plan or drawing for all small single-family developments, and makes City services available for this service at a specified fee, i.e. \$500.
  - Existing provisions for adjusting sanitary sewer user fees where sewage output is significantly less than the volume of water delivered by the City are amended to improve clarity and provide certainty as to calculating a fee reduction for metered properties. These amendments are administrative in nature and reflect existing practice.
2. *Solid Waste and Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 8315*
  - Enacts the 2008 solid waste and recycling rates as outlined in Option 3 of the above-referenced report.
  - Increases the per cubic yard rate for yard and garden trimmings disposal at the Recycling Depot from \$15.00 to \$20.00.
3. *Waterworks and Water Regulation and Rates Bylaw No. 5637, Amendment Bylaw No. 8312*

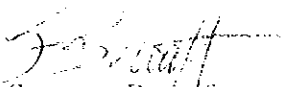
- Enacts the 2008 water rates as outlined in Option 3 of the above-referenced report.
- Requires an engineered design plan or drawing for all small single-family developments, and makes City services available for this service at a specified fee, i.e. \$500.
- Clarifies fiscal and maintenance responsibility between the Vancouver Airport Authority and the City for three sections of watermain on Sea Island where the new Canada Line tracks cross the City's watermains. An agreement between the City and the Vancouver Airport Authority in this regard, negotiated in 2006, has been finalized and is submitted with this report as Attachment 4. It is recommended that the Mayor and City Clerk be authorized to execute the agreement.

### **Financial Impact**

The rates outlined in the proposed amending bylaws represent a 5% increase over 2007. These rates represent full cost recovery for each respective area. This increase represents approximately 40% for Greater Vancouver Regional District increases, 52% for capital infrastructure replacement and the balance for City operating costs.

### **Conclusion**

The utility rate strategy continues to represent a sound fiscal approach to managing increasing regional costs associated with water and sewer treatment as well as ensuring a sound approach to proper management of the City's water, sewer, drainage and dyking infrastructure. The continued rate stabilization strategy ensures that charges to residents and businesses are graduated to avoid large rate increases associated with regional initiatives.



Suzanne Bycraft

Manager, Fleet & Environmental Programs  
(3338)

SJB:



September 28, 2007.

Steve McClurg  
 Manager, Water Services  
 City of Richmond  
 5599 Lynas Lane  
 Richmond, BC  
 V7C 5B2

Dear Steve,

**Re: Canada Line Tracks Crossing of Water Mains on Sea Island**

Further to our meeting of April 27, 2006 and our subsequent email of May 4, 2006, the following will summarize the Agreement reached between the City of Richmond (COR) and Vancouver International Airport Authority (Authority) regarding the issues related to the crossing of the Canada Line tracks over the watermains on Sea Island. Portions of the following 3 watermains situated under the Canada Line tracks are at issue: 42 inch watermain, 24 inch watermain and 30 inch watermain.

42 inch watermain

1. The Authority will direct the Canada Line contractor, RSL, to install a parallel concrete sleeve pipe (60 inch or larger) adjacent to the existing 42 inch watermain for the purposes of future replacement when required.
2. COR will not be obligated to pay for the cost of the installation of the above referenced concrete sleeve pipe. The cost of installation including water tie-ins will be the sole responsibility of the Authority. The water tie-ins must be performed by COR staff.
3. The Authority will be responsible for 100% of maintenance costs for the subject section of the 42 inch watermain (or the 60 inch or larger concrete sleeve pipe, as the case may be) for a period of 5 years from completion of construction of the Canada Line. Following this 5 year period, the Authority

VANCOUVER AIRPORT AUTHORITY  
 4500 HASTINGS STREET  
 VANCOUVER, BC V6X 1A6  
 WWW.VAA.CA

and COR will share, on a 50/50 basis, any future maintenance costs for this section of the 42 inch watermain (or the 60 inch or larger concrete sleeve, as the case may be) as per Bylaw No. 5637, as amended in relation to Schedule G, Rates for Vancouver International Airport Authority.

#### 24 inch watermain

4. The Authority will direct RSL to replace the 24 inch watermain (lying perpendicular to the Canada Line tracks) with HDPE pipe. The HDPE pipe will be situated under the Canada Line tracks and extend 10 metres on each side of the Canada Line tracks.
5. The cost of installation including watermain tie-ins will be the responsibility of the Authority. The water tie-ins must be performed by COR staff.
6. The Authority will be responsible for 100% of the maintenance costs for the 24 inch watermain.

#### 30 inch watermain

7. The Authority will direct RSL to install a parallel concrete sleeve (42 inch or larger) adjacent to the section of the 30 inch watermain situated under the Canada Line tracks for the purposes of future replacement when required.
8. The cost of any future installation including watermain tie-ins will be the responsibility of the Authority. The water tie-ins must be performed by COR staff.
9. The Authority will be responsible for 100% of the maintenance costs for the 30 inch watermain and 42 inch or larger concrete sleeve and any new watermain installations, as the case may be.
10. Light fill will be used over the section of the Canada Line tracks crossing over the subject watermains that are not replaced with HDPE pipe.

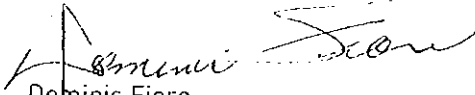
COR will not be liable for any damages to the Canada Line tracks resulting from water leaks, breaks or water erosion related repairs of the above referenced portions of the subject watermains unless such damage and required repairs are due to the negligence of COR for work performed by COR.

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I believe the foregoing reflects our agreement on the watermain issues. Will you kindly sign in the space below signifying your acceptance on the above and return a copy to my attention.

Thank you for your cooperation regarding this issue.

Sincerely,



Dominic Fiore  
Director, Capital Facilities Development

AGREED AND ACCEPTED BY:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

cc: Carlos Rocha – Design Technologist – Major Projects  
Vern Shaver – RSL  
Thor Fairburn – SNC Lavalin  
John Lenahan – YVR (ENG)  
Sergio Custodio – YVR (LCS)



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**Drainage, Dyke and Sanitary Sewer System Bylaw Amendment Bylaw  
8284**

The Council of the City of Richmond enacts the following amendments to the **Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551**:

1. Part One is amended by deleting subsection 1.2.1 and substituting the following:
  - 1.2.1 Subject to subsection 1.2.2, every owner wishing to connect a property to the **sanitary sewer system** or to the **drainage system** must, prior to installation:
    - (a) apply to the **City** to make the connection or connections;
    - (b) pay to the **City** the connection charges specified in Schedule A or B attached to and forming part of this Bylaw, as applicable;
    - (c) submit a design plan or a drawing of each proposed connection, including:
      - a. existing services;
      - b. proposed services;
      - 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 Design Specifications, a publication of the **City's** Engineering Department; and
    - (d) at the option of the applicant, a design plan or drawing referred to in paragraph (c) may be prepared by the **City** for the fee specified in Schedule A, section 3 or Schedule B, section 3, as applicable.
2. Part Two is amended:
  - (a) at paragraph (b) of section 2.1 by deleting the figure \$55.75 and substituting the figure \$66.90;
  - (b) by deleting sections 2.3, 2.4, 2.5, 2.6 and 2.7 in their entirety and substituting the following:
    - 2.3 **Application for Sanitary Sewer User Fee Reduction**
      - 2.3.1 An owner of a **metered property** who reasonably believes that the volume of **sewage** output from the **building** in question is significantly less than the volume of water delivered to the **building** may apply in

writing to the **General Manager, Engineering & Public Works** for a review of the volume of cubic metres assessed under Schedule C, section 2, which application must include:

- (a) a report prepared by a professional engineer showing the actual volume of water consumed through internal processes which is not discharged to the **City's sanitary sewer**; and
- (b) payment of an application fee in the amount of \$300.

2.3.2 If, after reviewing an application pursuant to this section, and conducting any further review by the **City** that he or she considers necessary, the **General Manager, Engineering & Public Works** is satisfied that the amount of water being consumed for the applicant's internal processes which is not discharged into the **sanitary sewer** system is 30 percent or greater than the total volume of water delivered to the building, the sewer fees established in Schedule C, section 2, are assessed based on the difference between the volume of water delivered and the volume of water consumed for that process.

#### 2.4 **Date of User and Infrastructure Replacement Fee Payments**

2.4.1 All **sanitary sewer** system user fees calculated on a flat-rate basis and all **drainage system** infrastructure replacement fees must be paid on or before March 31<sup>st</sup> of each year, provided however, if the date falls on a Saturday, Sunday or statutory holiday, the date is extended to 5:00 p.m. of the next business day:

2.4.2 **Sanitary sewer** system user fees for **metered properties** are invoiced quarterly and are due and payable within 30 days of being invoiced.

#### 2.5 **Discounts**

2.5.1 All **sanitary sewer** system user fees and **drainage system** infrastructure replacement fees which are paid on or before the due dates specified in section 2.4 will be subject to a 10 percent discount.

#### 2.6 **Private Property Service Requests**

2.6.1 Where the **City** responds to a request for maintenance or emergency service to the **sanitary sewer** system or **drainage system** and the **City** determines that the problem originates on private property, the property owner must pay the fees specified in Part 2 of Schedule A or Part 2 of Schedule B, whichever is applicable.

3. Part Three is repealed and the following substituted:



**PART THREE: RESTRICTION, INSPECTION, OFFENCE AND PENALTY**

- 3.1 No person responsible for operating a **food sector establishment**, including an owner, operator, manager, employee, agent or contractor, shall discharge or suffer, allow or cause **oil or grease** to be discharged into a **sanitary sewer or drainage system** within the City.
- 3.2 The **General Manager of Engineering & Public Works** or an employee of the City acting under his or her direction may enter on and into property to inspect and determine whether all provisions of this bylaw are being complied with.
- 3.3 Any person who contravenes or violates section 3.1, or who suffers, allows or causes a contravention or violation of section 3.1, commits an offence; and where the offence is a continuing one, each day that the offence is continued shall constitute a separate offence.
- 3.4 Upon being convicted of an offence under this Part, a person shall be liable to pay a fine of not more than \$10,000, and, by order of the court, may be directed to
- (a) pay the costs incurred by the City in investigating and prosecuting the offence;
  - (b) pay compensation to the City for any damage or loss sustained by the City because of the commission of the offence to a maximum of \$25,000 or higher monetary limit as may be specified under the *Small Claims Act* in force at the time of the offence; and
  - (c) for a period of time specified in the order, which may be up to one year in duration:
    - i. not do any act or engage in any activity that may result in the continuation or repetition of the offence; and
    - ii. take any action the court considers appropriate to remedy any harm that resulted from the commission of the offence.

4. The following definitions are added to Part Five:

**FOOD SECTOR ESTABLISHMENT** means

- (a) a business establishment or institutional facility where food is prepared or made ready for eating or packaged and shipped to any establishment described in (b) or (c) below;
- (b) a retail establishment or institutional facility where food is prepared and made ready for retail sale or sold to the public and includes grocery stores, fresh produce stores, bakeries, butcher shops and similar establishments; or
- (c) a business or institutional eating or drinking establishment or facility where food is prepared or made ready for eating and is sold or served to the public or to persons

employed at, served by or attending the establishment, whether or not consumed on the premises, and includes restaurants, delicatessens, fast-food outlets, cafeterias, hospitals, pubs, bars, lounges, or other similar establishments

**OIL or GREASE** means any solvent or extractable material of animal, vegetable or mineral origin, including but not limited to hydrocarbons, esters, fats, oils, waxes and high-molecular-weight carboxylic acids.

- 5. Bylaw No. 7551 is amended by deleting Schedules A through C and substituting the attached Schedules A through C.
- 6. This Bylaw comes into force and effect on January 1, 2008.
- 7. This Bylaw is cited as "Drainage, Dyke And Sanitary Sewer System Bylaw No. 7551 Amendment Bylaw No. 8284".

FIRST READING

SECOND READING

THIRD READING



ADOPTED

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CITY OF RICHMOND
APPROVED for content by originating Dept 
APPROVED for legality by Solicitor 

\_\_\_\_\_  
MAYOR

\_\_\_\_\_  
CORPORATE OFFICER

## SCHEDULE A to BYLAW NO. 7551

### 1. SANITARY SEWER CONNECTION CHARGES

(a) Installation of 450 or 600 mm diameter inspection chamber:	
(i) and connection to lateral	\$ 2,300
(ii) and connection to <b>sanitary sewer</b> up to 2 metres deep	\$ 3,200
(iii) and connection to <b>sanitary sewer</b> between 2 and 3 metres deep	\$ 5,800
(iv) and connection to <b>sanitary sewer</b> more than 3 metres deep	\$ 9,300
(v) complete with inside backdrop to manhole	\$ 3,800
(b) Installation of manhole up to 1200 mm diameter:	
(i) up to 2 metres deep	\$ 4,700
(ii) more than 2 metres deep	\$13,000
(c) Installation of 100 or 150 mm diameter connection:	
(i) complete with inside backdrop to manhole (no inspection chamber)	\$ 1,600
(ii) from inspection chamber	\$ 700
(iii) more than 3 metres deep	by estimate
(d) Installation of 150 or 200 mm diameter connection from manhole:	
(i) up to 2 metres deep	\$ 2,400
(ii) between 2 to 3 metres deep	\$ 4,800
(iii) more than 3 metres deep	by estimate
(e) In addition to the rates set out in subsections (a), (c) and (d), where more than 4.5 metres of pipe from the centre line of the manhole or the inspection chamber is required to make the connection, then the following rates apply:	
(i) up to 2 metres deep (price per metre)	\$ 300
(ii) between 2 to 3 metres deep (price per metre)	\$ 500
(iii) more than 3 metres deep	by estimate
(f) Adjustment to top elevation of manhole or inspection chamber	\$ 500
(g) Abandonment of existing inspection chamber and cap lateral	\$ 700

### 2. SANITARY SEWER SERVICE REQUESTS

(a) outside <b>regular working hours</b>	\$ 300
(b) during <b>regular working hours</b>	\$ 50

3. <b>DESIGN PLAN PREPARED BY CITY [s.1.2.1 (d)]</b>	\$ 500
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## SCHEDULE B to BYLAW NO. 7551

Page 1 of 2

## I. DRAINAGE SYSTEM CONNECTION CHARGES

- |     |   |             |
|-----|---|-------------|
| (a) | Adjustment to top elevation of inspection chamber or manhole  | \$ 500      |
| (b) | Repair of inspection chamber  | \$ 1,000    |
| (c) | Removal of 375, 450 or 600 mm diameter inspection chamber and cap lead  | \$ 500      |
| (d) | Installation of 150, 200 or 250 mm diameter connection to a maximum of 5 metres in length (includes 350-600 mm diameter inspection chamber if required):  |             |
|     | (i) from main or manhole  | \$ 2,200    |
|     | (ii) from box culvert or concrete u-shape   | \$ 3,000    |
|     | (iii) more than 3 metres deep   | by estimate |
| (e) | Installation of 300, 375 or 450 mm diameter connection from main, manhole, box culvert or concrete u-shape to a maximum of 5 metres in length (includes 1,050 mm diameter manhole if required):   |             |
|     | (i) up to 2 meters deep   | \$ 5,000    |
|     | (ii) from 2 to 3 meters to invert   | \$ 7,000    |
|     | (iii) more than 3 metres deep   | by estimate |
| (f) | Installation of 525, 675 or 750 mm diameter connection from main, manhole, box culvert or concrete u-shape to a maximum of 5 metres in length (includes 1,050 mm diameter manhole if required):   |             |
|     | (i) up to 2 meters deep   | \$ 7,000    |
|     | (ii) from 2 to 3 metres deep to invert  | \$ 8,500    |
|     | (iii) more than 3 metres deep   | by estimate |
| (g) | Installation of greater than 750 mm diameter connection from main, manhole, box culvert or concrete u-shape (includes 1,050 mm diameter manhole if required):   | by estimate |
| (h) | In addition to the rates set out in subsections (e) and (f), where more than 5 metres of pipe from the centre line of the manhole or the inspection chamber is required to make a 375, 450 or 525 mm diameter connection, then the following rates apply: |             |
|     | (i) up to 2 metres to invert (price per metre)  | \$ 400      |
|     | (ii) from 2 to 3 metres to invert (price per metre)   | \$ 550      |
| (i) | In addition to the rates set out in subsection (f), where more than 5 metres of pipe from the centre line of the manhole or the inspection chamber is required to make a 675 or 750 mm connection, then the following rates apply:                        |             |
|     | (i) for depths not exceeding 2 metres to invert (price per metre)   | \$ 500      |
|     | (ii) for depths between 2 to 3 metres to invert (price per metre)   | \$ 650      |
| (j) | 100 mm diameter connection from inspection chamber  | \$ 500      |
| (k) | Abandonment of inspection chamber and cap lateral   | \$ 700      |
| (l) | Perimeter drain or mainline flushing  | by estimate |

**SCHEDULE B to BYLAW NO. 7551**

Page 2 of 2

(m) Installation of 450 or 600 mm diameter inspection chamber and:	
(i) connection to lateral	\$ 2,300
(ii) connection to storm sewer up to 2 metres deep	\$ 3,200
(iii) connection to storm sewer between 2 and 3 metres deep	\$ 5,800
(iv) connection to storm sewer more than 3 metres deep	\$ 9,300
(v) complete with inside backdrop to manhole	\$ 3,800
(n) Installation of manhole up to 1200 mm diameter:	
(i) up to 2 metres deep	\$ 4,700
(ii) more than 2 metres deep	\$ 13,000
(o) Installation of manhole greater than 1200 mm diameter:	By estimate

**2. DRAINAGE SYSTEM SERVICE CALLS**

(a) after regular working hours	\$ 300
(b) during regular working hours	\$ 50

<b>3. DESIGN PLAN PREPARED BY CITY [s. 1.2.1 (d)]</b>	<b>\$ 500</b>
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## SCHEDULE C to BYLAW NO. 7551

## SANITARY SEWER USER FEES

(Page 1 of 2)

## 1. FLAT RATES FOR NON-METERED PROPERTIES

(a) Residential Dwellings	Annual Fee Per Unit
(i) One-Family Dwelling or Two-Family Dwelling with ¾-inch water service	\$ 272.84
(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	\$ 249.64
(iv) Multiple-Family Dwellings 4 or more storeys in height	\$ 207.91
(b) Public School (per classroom)	\$ 265.84
(c) Shops and Offices	\$ 224.48

## 2. RATES FOR METERED PROPERTIES

Rate per cubic metre of water delivered to the property:	\$ 0.6188
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## 3. RATES FOR COMMERCIAL, INDUSTRIAL, INSTITUTIONAL AND AGRICULTURAL

Minimum charge in any quarter of a year:	\$ 56.52
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## SCHEDULE C to BYLAW NO. 7551

## SANITARY SEWER USER FEES

(Page 2 of 2)

## 3. CONSTRUCTION PERIOD – PER DWELLING UNIT

Month (2008)	Regular Family Dwelling (per unit rate)  (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	\$136	2009	\$--	2009	\$114	2010
February	\$114	2009	\$252	2010	\$95	2010
March	\$91	2009	\$229	2010	\$76	2010
April	\$68	2009	\$206	2010	\$57	2010
May	\$45	2009	\$183	2010	\$38	2010
June	\$23	2009	\$160	2010	\$19	2010
July	\$--	2009	\$137	2010	\$--	2010
August	\$275	2010	\$114	2010	\$231	2011
September	\$250	2010	\$92	2010	\$210	2011
October	\$225	2010	\$69	2010	\$189	2011
November	\$200	2010	\$46	2010	\$168	2011
December	\$175	2010	\$23	2010	\$147	2011



Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment  
Bylaw No. 8315

The Council of the City of Richmond enacts as follows:

1. Bylaw No. 6803 is amended by deleting Schedules A through D and substituting the attached Schedules A through D.
2. This Bylaw comes into force and effect on January 1, 2008.
3. This Bylaw is cited as "Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 8315".

FIRST READING

SECOND READING

THIRD READING



ADOPTED

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

\_\_\_\_\_  
MAYOR

\_\_\_\_\_  
CORPORATE OFFICER



### SCHEDULE A to BYLAW NO. 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	\$	101.80
Fee for each excess garbage container tag	\$	2.00

### SCHEDULE B to BYLAW NO. 6803

FEES FOR CITY RECYCLING SERVICE		
Annual City recycling service fee:		
(a) for residential properties, which receive blue box service (per unit)	\$	45.71
(b) for multi-family dwellings or townhouse developments which receive centralized collection service (per unit)	\$	24.72
Annual recycling service fee for yard and garden trimmings from single-family dwellings and from each unit in a duplex dwelling	\$	41.54
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	\$	1.58

### 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	\$	23.45

NEW RESIDENTIAL PROPERTY PAYMENT FEE SCHEDULE

		GARBAGE, RECYCLING & LITTER COLLECTION FEE				RECYCLING & LITTER COLLECTION FEE PER STRATA LOT			
		Single-Family Dwellings & Each Unit in a Duplex Dwelling		Townhouse Development		Townhouse Development		Multi-Family Development	
Month in Current Year in which Building Permit is Issued		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	Prorated Fee Per Unit	Year in which Annual Fee Commences
January	2008	\$ 96	2009	\$ -	2009	\$ -	2009	\$ 20	2010
February	2008	\$ 80	2009	\$ 139	2010	\$ 56	2010	\$ 17	2010
March	2008	\$ 64	2009	\$ 126	2010	\$ 51	2010	\$ 14	2010
April	2008	\$ 48	2009	\$ 114	2010	\$ 46	2010	\$ 10	2010
May	2008	\$ 32	2009	\$ 101	2010	\$ 41	2010	\$ 7	2010
June	2008	\$ 16	2009	\$ 89	2010	\$ 36	2010	\$ 3	2010
July	2008	\$ -	2009	\$ 76	2010	\$ 31	2010	\$ -	2010
August	2008	\$ 173	2010	\$ 63	2010	\$ 25	2010	\$ 39	2011
September	2008	\$ 157	2010	\$ 51	2010	\$ 20	2010	\$ 36	2011
October	2008	\$ 142	2010	\$ 38	2010	\$ 15	2010	\$ 32	2011
November	2008	\$ 126	2010	\$ 25	2010	\$ 10	2010	\$ 29	2011
December	2008	\$ 110	2010	\$ 13	2010	\$ 5	2010	\$ 25	2011



**Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw 8312**

The Council of the City of Richmond enacts as follows:

1. The **Waterworks And Water Rates Bylaw No. 5637** is amended at Part II:
  - (a) by deleting sub-paragraph (iv) from Section 2 (a) and replacing it with the following:
    - (iv) submit a design plan or drawing of each proposed connection, including:
      - a. existing services;
      - b. proposed services;
      - 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, a publication of the City's Engineering Department.
  - (b) by adding the following after paragraph (c) of Section 2:
    - (d) At the option of the applicant, a design plan or drawing referred to in paragraph (a)(iv) may be prepared by the City for the fee specified in Schedule D.
2. The **Waterworks And Water Rates Bylaw No. 5637** is amended by deleting Schedules A through G in their entirety and substituting them with Schedules A through G attached to and forming part of this Bylaw.
3. This Bylaw comes into force and effect on January 1, 2008.
4. This Bylaw is cited as "**Waterworks And Water Rates Bylaw No. 5637, Amendment Bylaw No. 8312**".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

MAYOR

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CORPORATE OFFICER

CITY OF RICHMOND
APPROVED for content by originating dept.
APPROVED for legality by Solicitor
<i>MCS</i>

## SCHEDULE "A" to BYLAW NO. 5637

## BYLAW YEAR - 2008

FLAT RATES FOR RESIDENTIAL, AGRICULTURAL, AND  
INSTITUTIONAL PURPOSES ONLY

A.	Residential Dwellings per unit	
	Dwellings with 20 mm (¾") water service	\$451.52
	Dwellings with 25mm (1") water service or greater	See Metered Rates – Schedule B
	Townhouse	\$369.62
	Apartment	\$238.18
B.	Stable or Barn per unit	\$101.08
C.	Field Supply – each trough or water receptacle or tap	\$63.18
D.	Public Schools for each pupil based on registration January 1 <sup>st</sup>	\$5.98

## SCHEDULE B to BYLAW NO. 5637

BYLAW YEAR – 2008

## 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:	\$0.7975
Minimum charge in any 3-month period:	\$95.00
Undetected leak rate per cubic metre (per section 25b of this bylaw):	\$0.3618

## 2. RENTS FOR EACH METER

Rent per water meter for each 3-month period:

For a 16mm (5/8") meter	\$11.00
For a 20mm (3/4") meter	\$14.00
For a 25mm (1") meter	\$15.50
For a 32mm (1 1/4") meter	\$27.00
For a 40mm (1 1/2") meter	\$27.00
For a 50mm (2") meter	\$30.50

## COMPOUND TYPE

75mm (3")	\$103.00
100mm (4")	\$158.00
150mm (6")	\$262.00

## TURBINE TYPE

50mm (2")	\$60.50
75mm (3")	\$78.00
100mm (4")	\$113.00
150mm (6")	\$215.50
200mm (8")	\$280.00

## FIRE LINE TYPE

100mm (4")	\$271.00
150mm (6")	\$366.00
200mm (8")	\$475.00
250mm (10")	\$633.00

SCHEDULE B to BYLAW NO. 5637

BYLAW YEAR -- 2008

METERED RATES

(Page 2 of 2)

METERED RESIDENTIAL PROPERTIES

1. RATES

All consumption per cubic metre:	\$0.7975
Minimum charge in any 3-month period:	\$20.00
Underground leak rate per cubic metre (per section 25b of this bylaw):	\$0.3618

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 - 2008

## METERED RATES

## FARMS

## 1. RATES

All consumption per cubic metre:	\$0.7975
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Minimum charge per 3-month period\*:

For 1 <sup>st</sup> quarter billing (January – March inclusive) for 90m <sup>3</sup> or less	\$95.00
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For 2 <sup>nd</sup> quarter billing (April -- June inclusive) for 95m <sup>3</sup> or less	\$95.00
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For 3 <sup>rd</sup> quarter billing (July -- September inclusive) for 140m <sup>3</sup> or less	\$95.00
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For 4 <sup>th</sup> quarter billing (October - December inclusive) for 90m <sup>3</sup> or less	\$95.00
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\*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*
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\*Applies only to properties with no dwelling.

## SCHEDULE D to BYLAW 5637

## BYLAW YEAR - 2008

## I. WATER CONNECTION CHARGE

SFD Residential Water Connection Size	Connection Charge	Price Per Metre Charge	Meter Charge	Design Plan Prepared by City [S.2(d)]
25mm (1") diameter	\$1,800	\$175.00	\$750	\$500
40mm (1 1/2") diameter	\$2,400	\$175.00	\$1,100	
50mm (2") diameter	\$2,400	\$175.00	\$1,250	
For residential properties with a connection greater than 50mm (2"), the commercial and industrial properties connection rates apply.				

Multi-Family / Industrial / Commercial Water Connection Size	Connection Charge	Price Per Metre Charge
25mm (1") diameter	\$1,800	\$175.00
40mm (1 1/2") diameter	\$2,400	\$175.00
50mm (2") diameter	\$2,400	\$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



## SCHEDULE E to BYLAW 5637

## BYLAW YEAR - 2008

CONSTRUCTION PERIOD WATER CONSUMPTION RATES –  
RESIDENTIAL

MONTH	REGULAR FAMILY 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 2008	\$ 452	2009	\$ 370	2009	\$ 500	2010
February 2008	\$ 414	2009	\$ 745	2010	\$ 480	2010
March 2008	\$ 376	2009	\$ 715	2010	\$ 460	2010
April 2008	\$ 339	2009	\$ 684	2010	\$ 441	2010
May 2008	\$ 301	2009	\$ 653	2010	\$ 421	2010
June 2008	\$ 263	2009	\$ 622	2010	\$ 401	2010
July 2008	\$ 226	2009	\$ 591	2010	\$ 381	2010
August 2008	\$ 685	2010	\$ 561	2010	\$ 649	2011
September 2008	\$ 647	2010	\$ 530	2010	\$ 630	2011
October 2008	\$ 610	2010	\$ 499	2010	\$ 610	2011
November 2008	\$ 572	2010	\$ 468	2010	\$ 490	2011
December 2008	\$ 534	2010	\$ 437	2010	\$ 570	2011

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 - 2008

## MISCELLANEOUS CHARGES

1.	For an inaccessible meter as set out in Section 7	\$36 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	\$100
8.	Locate or repair of curb stop service box	Actual Cost

## SCHEDULE G to BYLAW 5637

## BYLAW YEAR - 2007

## RATES FOR VANCOUVER INTERNATIONAL AIRPORT AUTHORITY (YVR)

Applicable rate is \$0.3618 per cubic meter of water consumed, plus the following amounts:

- YVR's share of future water infrastructure capital replacement calculated at \$0.2290 per m<sup>3</sup>
- 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)