



# City of Richmond

## Report to Council

**To:** Richmond City Council **Date:** November 20, 2013  
**From:** Andrew Nazareth **File:** 03-0970-01/2013-Vol  
 General Manager, Finance & Corporate Services 01  
 Robert Gonzalez, P.Eng.  
 General Manager, Engineering & Public Works

**Re:** **2014 Utility Rate Amendment Bylaws**

### Staff Recommendation

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

- a) Solid Waste and Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 9079;
- b) Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 9080; and
- c) Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 9081.

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REPORT CONCURRENCE	
<b>ROUTED TO:</b>	<b>CONCURRENCE</b>
Law	<input checked="" type="checkbox"/>
<b>CONCURRENCE OF GENERAL MANAGER</b>	
<b>APPROVED BY CAO</b>	

## Staff Report

### Origin

At the November 18, 2013 General Purposes Committee, the following recommendation was approved by Committee as part of their consideration of the 2014 Utility Budgets and Rates:

“That the 2014 Utility Expenditure Budgets, as outlined under Option 1 for Water and Sewer, Option 3 for Drainage and Diking, and Option 2 for Solid Waste and Recycling, as contained in the Staff report dated November 5, 2013 from the General Manager of Finance & Corporate Services and General Manager of Engineering & Public Works, be approved as the basis for establishing the 2014 Utility Rates and preparing the 5 Year Financial Plan (2014-2018) Bylaw.”

Subject to Council’s acceptance of the above General Purposes Committee recommendation, this report presents the amending bylaws required to bring the utility rates into effect for 2014.

### Analysis

The following is a summary of the proposed changes for Solid Waste and Recycling Bylaw No. 6803, Waterworks and Water Rates Bylaw No. 5637, and Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551, as outlined in the “2014 Utility Budgets and Rates” report, dated November 5, 2013:

1. **Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw 9079**
  - Changes to implement the 2014 solid waste and recycling rates as outlined in Option 2 of the above-referenced report.
2. **Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw 9080**
  - Changes to implement the 2014 water rates as outlined in Option 1 of the above-referenced report.
3. **Drainage, Dyke, and Sanitary Sewer System Bylaw No. 7551, Amendment Bylaw No. 9081**
  - Changes to implement the 2014 sanitary sewer rates as outlined in Option 1, and drainage and diking rates as outlined in Option 3, of the above-referenced report.
  - Provision to reduce the metered rate by 25% for industrial, commercial, and institutional (ICI) properties that operate under a Metro Vancouver permit and do not receive sanitary sewer user fee reductions.

### Financial Impact

The rates outlined in the proposed amending bylaws represent full cost recovery for each respective utility area. The impact to ratepayers is outlined in the “2014 Utility Budgets and Rates” report, dated November 5, 2013.

## Conclusion

The amending bylaws presented with this report require Council's approval to charge for the various utility services in 2014. These services include the provision of high quality drinking water for all residents and businesses, sewage conveyance and treatment, and solid waste and recycling services.

A strong fiscal management approach is applied towards ensuring that on-going replacement costs are also included in the City's rates as part of ensuring sound capital investment for infrastructure. This ensures a high level of consistent services for the community.

The costs and rates strategy outlined manage these competing costs effectively while balancing the fiscal challenges presented by increases in regional costs.



Lloyd Bie, P.Eng.  
Manager, Engineering Planning  
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Suzanne Bycraft  
Manager, Fleet & Environmental Programs  
(604-233-3338)

LB:jh



Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 9079

The Council of the City of Richmond enacts as follows:

- 1. The Solid Waste and Recycling Regulation Bylaw No. 6803, as amended, is further amended by deleting Schedules A through D and substituting the schedules attached to and forming part of this Bylaw.
2. This Bylaw comes into force and effect on January 1, 2014.
3. This Bylaw is cited as "Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 9079".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

Four horizontal lines for signatures and dates.

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

MAYOR

CORPORATE OFFICER

**BYLAW YEAR:****2014****SCHEDULE A to BYLAW NO. 6803**

<b>FEES FOR CITY GARBAGE COLLECTION SERVICE</b>	
Annual City garbage collection service fee for each single-family dwelling, each unit in a duplex dwelling, and each unit in a townhouse development	\$ 118.00
Fee for each excess garbage container tag	\$ 2.00
Large item pick up fee	\$ 7.78

**SCHEDULE B to BYLAW NO. 6803**

<b>FEES FOR CITY RECYCLING SERVICE</b>	
Annual City recycling service fee:	
(a) for residential properties, which receive blue box service (per unit)	\$ 48.11
(b) for multi-family dwellings or townhouse developments which receive centralized collection service (per unit)	\$ 32.67
Annual recycling service fee:	
(a) for yard and garden trimmings and food waste from single-family dwellings and from each unit in a duplex dwelling (per unit)	\$ 91.44
(b) for yard and garden trimmings and food waste from townhome dwellings that receive City garbage or blue box service (per unit)	\$ 47.22
Fee for yard/food waste cart replacement (per cart)	\$ 25.00
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	\$0
(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	\$ 1.94

**SCHEDULE C to BYLAW 6803**

<b>FEES FOR CITY LITTER COLLECTION SERVICE</b>	
Annual City litter collection service fee for both residential properties and non-residential properties	\$ 27.78

**SCHEDULE D TO BYLAW 6803**

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	2014	\$ 132	2015	\$ -	2015	\$ -	2015	\$ 53	2016		
February	2014	\$ 110	2015	\$ 209	2016	\$ 110	2016	\$ 44	2016		
March	2014	\$ 88	2015	\$ 190	2016	\$ 100	2016	\$ 35	2016		
April	2014	\$ 66	2015	\$ 171	2016	\$ 90	2016	\$ 26	2016		
May	2014	\$ 44	2015	\$ 152	2016	\$ 80	2016	\$ 18	2016		
June	2014	\$ 22	2015	\$ 133	2016	\$ 70	2016	\$ 9	2016		
July	2014	\$ -	2015	\$ 114	2016	\$ 60	2016	\$ -	2016		
August	2014	\$ 247	2016	\$ 95	2016	\$ 50	2016	\$ 99	2017		
September	2014	\$ 224	2016	\$ 76	2016	\$ 40	2016	\$ 90	2017		
October	2014	\$ 202	2016	\$ 57	2016	\$ 30	2016	\$ 81	2017		
November	2014	\$ 179	2016	\$ 38	2016	\$ 20	2016	\$ 72	2017		
December	2014	\$ 157	2016	\$ 19	2016	\$ 10	2016	\$ 63	2017		



**Waterworks and Water Rates Bylaw No. 5637,  
Amendment Bylaw No. 9080**

The Council of the City of Richmond enacts as follows:

1. The **Waterworks and Water Rates Bylaw No. 5637**, as amended, is further amended by deleting Schedules A through G and substituting the schedules attached to and forming part of this Bylaw.
2. This Bylaw comes into force and effect on January 1, 2014.
3. This Bylaw is cited as "**Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 9080**".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

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CITY OF RICHMOND
APPROVED for content by originating dept <i>JS</i>
APPROVED for legality by Solicitor <i>MF</i>

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MAYOR

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CORPORATE OFFICER

**SCHEDULE "A" to BYLAW NO. 5637****BYLAW YEAR - 2014****FLAT RATES FOR  
RESIDENTIAL, AGRICULTURAL, AND INSTITUTIONAL PROPERTIES**

A.	Residential Dwellings per unit	
	Single-family and two-family dwellings with 20 mm (¾") water service	\$654.66
	For dwellings with 25mm (1") water service or greater, see Metered Rates – Schedule B or C, as applicable	
	Townhouse	\$535.91
	Apartment	\$345.33
B.	Stable or Barn per unit	\$131.91
C.	Field Supply – each trough or water receptacle or tap	\$82.46
D.	Public Schools for each pupil based on registration January 1 <sup>st</sup>	\$7.81



**SCHEDULE "B" TO BYLAW NO. 5637**

**BYLAW YEAR 2014**

**METERED RATES FOR  
INDUSTRIAL, COMMERCIAL, INSTITUTIONAL, MULTI-FAMILY,  
STRATA-TITLED AND FARM PROPERTIES**

**1. RATES**

All consumption per cubic metre:	\$1.2329
Minimum charge in any 3 month period (not applicable to Farms)	\$112.00
Undetected leak rate per cubic meter (per section 25B of this bylaw)	\$0.6996

**2. RATES FOR EACH METER**

Rent per **water meter** for each 3-month period:

Meter Size	Base Rate
16 mm to 25 mm (inclusive)	\$15
32 mm to 50 mm (inclusive)	\$30
75 mm	\$110
100 mm	\$150
150 mm	\$300
200 mm and larger	\$500

**SCHEDULE "C" TO BYLAW NO. 5637**

**BYLAW YEAR 2014**

**METERED RATES FOR  
SINGLE-FAMILY AND TWO-FAMILY DWELLINGS**

**1. RATES**

All consumption per cubic metre:	\$1.2329
Undetected leak rate per cubic meter (per section 25B of this bylaw)	\$0.6996

**2. RATES FOR EACH METER**

Rent per **water meter** for each 3-month period:

<u>Meter Size</u>	<u>Base Rate</u>
16 mm to 25 mm (inclusive)	\$12
32 mm to 50 mm (inclusive)	\$14
75 mm	\$110
100 mm	\$150
150 mm	\$300
200 mm and larger	\$500

**SCHEDULE "D" to BYLAW 5637****BYLAW YEAR - 2014****1. WATER CONNECTION CHARGE**

<b>Single-Family, Multi-Family, Industrial, Commercial Water Connection Size</b>	<b>Connection Charge</b>	
	<b>Tie In Charge</b>	<b>Price Per Metre of Service Pipe</b>
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 for one-family dwelling or two-family dwelling \$1,000 each

Design plan for all other buildings \$2,000

**3. WATER METER INSTALLATION FEE**

Install water meter [s. 3A(a)] \$1,000 each

**SCHEDULE "E" to BYLAW 5637**

**BYLAW YEAR - 2014**

**CONSTRUCTION PERIOD WATER CONSUMPTION RATES –  
RESIDENTIAL**

<b>MONTH (2014)</b>	<b>SINGLE- FAMILY DWELLINGS &amp; EACH UNIT IN A DUPLEX DWELLING (rate per unit)</b>	<b>START BILL YEAR</b>	<b>MULTI- FAMILY LESS THAN 4 STOREYS (rate per unit)</b>	<b>START BILL YEAR</b>	<b>MULTI- FAMILY 4 STOREYS OR MORE (rate per unit)</b>	<b>START BILL YEAR</b>
January	\$655	2015	\$536	2015	\$725	2016
February	\$600	2015	\$1,081	2016	\$696	2016
March	\$546	2015	\$1,036	2016	\$668	2016
April	\$491	2015	\$991	2016	\$639	2016
May	\$436	2015	\$947	2016	\$610	2016
June	\$382	2015	\$902	2016	\$581	2016
July	\$327	2015	\$857	2016	\$553	2016
August	\$987	2016	\$813	2016	\$524	2017
September	\$927	2016	\$768	2016	\$495	2017
October	\$867	2016	\$723	2016	\$466	2017
November	\$807	2016	\$679	2016	\$437	2017
December	\$747	2016	\$634	2016	\$409	2017

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

<b>Water Connection Size</b>	<b>Consumption Charge</b>
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 - 2014****MISCELLANEOUS CHARGES**

1.	For an inaccessible meter as set out in Section 7	\$164 per quarter
2.	For each turn on or turn off	\$95
3.	For each non-emergency service call outside regular hours	Actual Cost
4.	Fee for testing a water meter	\$355
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 or meter box	Actual Cost
9.	Toilet rebate per replacement	\$100
10.	Fee for water meter verification request	\$50

**SCHEDULE "G" to BYLAW 5637****BYLAW YEAR - 2014****RATES FOR VANCOUVER INTERNATIONAL AIRPORT AUTHORITY (YVR)**

Applicable rate is \$0.6996 per cubic meter of water consumed, plus the following amounts:

- YVR's share of future water infrastructure capital replacement calculated at \$0.3372 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
- 76 m<sup>3</sup> of water per annum at rate of \$0.6996 per cubic meter for water used annually for testing and flushing of the tank cooling system at Storage Tank Farm TF2 (in lieu of metering the 200 mm diameter water connection to this facility)

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



**Drainage, Dyke and Sanitary Sewer Bylaw No. 7551,  
Amendment Bylaw No. 9081**

The Council of the City of Richmond enacts as follows:

1. The **Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551**, as amended, is further amended at Part Two by deleting subsection 2.1.1(c) and substituting the following:

“(c) except where subsection 2.1.1(d) applies, 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; and

(d) for industrial, commercial, and institutional properties which are **metered properties** and operate under a Metro Vancouver permit and do not receive fee reductions in accordance with section 2.3.2 of this bylaw, 75% of the rates specified in subsection 2.1.1(c).”
2. The **Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551**, as amended, is further amended at Part Two by deleting section 2.1.2 and substituting the following:

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 \$144.79 per property for the period January 1 to December 31 of each year.
3. The **Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551**, as amended, is further amended by deleting Schedule B in its entirety and substituting the schedule attached to and forming part of this Bylaw.
4. This Bylaw comes into force and effect on January 1, 2014.

5. This Bylaw is cited as **“Drainage, Dyke and Sanitary Sewer Bylaw No. 7551, Amendment Bylaw No. 9081”**.

FIRST READING

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SECOND READING

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ADOPTED

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

\_\_\_\_\_  
MAYOR

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CORPORATE OFFICER



**SCHEDULE to Bylaw 9081****SCHEDULE B to BYLAW NO. 7551****SANITARY SEWER USER FEES****1. FLAT RATES FOR NON-METERED PROPERTIES**

<b>(a) Residential Dwellings</b>	<b>Annual Fee Per Unit</b>
(i) <b>One-Family Dwelling or Two-Family Dwelling</b> with ¾-inch water service	\$439.39
(i) <b>One-Family Dwelling or Two-Family Dwelling</b> with 1-inch or greater water service	See metered rates
(iii) <b>Multiple-Family Dwellings</b> of less than 4 storeys in height	\$402.03
(iv) <b>Multiple-Family Dwellings</b> 4 or more storeys in height	\$334.83
(b) <b>Public School (per classroom)</b>	\$407.18
(c) <b>Shops and Offices</b>	\$343.86

**2. RATES FOR METERED PROPERTIES**

Regular rate per cubic metre of water delivered to the property:	\$ 1.0717
Underground leak rate per cubic metre of water exceeding <b>average amount</b> (as defined in Section 2.3A.2(a)):	\$ 0.8577

**3. RATES FOR COMMERCIAL, INDUSTRIAL, INSTITUTIONAL AND AGRICULTURAL**

Minimum charge in any quarter of a year:	\$ 85.00
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**SCHEDULE B to BYLAW NO. 7551****SANITARY SEWER USER FEES****4. CONSTRUCTION PERIOD – PER DWELLING UNIT**

Month (2014)	Single-Family Dwellings & Each Unit in a Duplex Dwelling (rate per unit)	Start Bill Year	Multi-Family Dwelling Less than 4 Storeys (rate per unit)	Start Bill Year	Multi-Family Dwelling 4 Storeys or More (rate per unit)	Start Bill Year
January	\$ 439	2015	\$ 402	2015	\$ 703	2016
February	\$ 403	2015	\$ 811	2016	\$ 675	2016
March	\$ 366	2015	\$ 777	2016	\$ 647	2016
April	\$ 330	2015	\$ 744	2016	\$ 619	2016
May	\$ 293	2015	\$ 710	2016	\$ 592	2016
June	\$ 256	2015	\$ 677	2016	\$ 564	2016
July	\$ 220	2015	\$ 643	2016	\$ 536	2016
August	\$ 663	2016	\$ 610	2016	\$ 508	2017
September	\$ 622	2016	\$ 576	2016	\$ 480	2017
October	\$ 582	2016	\$ 543	2016	\$ 452	2017
November	\$ 542	2016	\$ 509	2016	\$ 424	2017
December	\$ 502	2016	\$ 476	2016	\$ 396	2017