



**City of Richmond**

*To General Purposes - Dec 3/01*  
**Report to Committee**

**To:** General Purposes Committee  
**From:** Jim Bruce  
General Manager,  
Finance and Corporate Services  
  
Jeff Day, P. Eng.  
General Manager,  
Engineering & Public Works

**Date:** November 29, 2001  
**File:** ~~6976-04~~  
8060-20 - 7300  
XR = 7301  
XR = 7302

**Re:** **2002 Utility Budgets and Rate Bylaws**

**Staff Recommendation**

1. That the 2002 Utility Expenditure Budgets (as presented in the staff report dated November 29, 2001 from the Managers of Water, Sewer & Environmental Programs) be approved as the basis for establishing the 2002 Utility Rates.
2. That the following bylaws, which bring into effect the above 2002 Utility Rates, be introduced and given first, second and third readings:
  - (a) The City of Richmond Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 7302 (2002); and
  - (b) The City of Richmond Sanitary Sewer Rates Bylaw No. 5681, Amendment Bylaw No. 7301 (2002); and
  - (c) The Solid Waste and Recycling Regulation Bylaw 6803, Amendment Bylaw No. 7300 (2002);

Jim Bruce  
General Manager,  
Finance and Corporate Services

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

## Staff Report

### Origin

This report presents the 2002 utility budgets and rate bylaws for Water, Sewer and Solid Waste & Recycling. These rates must be established prior to the end of the year to enable billing in 2002.

### Analysis

The total 2002 utility billing is increased an average of 7%. The following table provides a breakdown of the rate change over 2001 by customer class.

<i>2001/2002 Utility Rates Comparison</i>			
<i>Customer Class</i>	<i>2001 Actual</i>	<i>2002 – Recommended Rates</i>	<i>\$ Difference over 2001</i>
Single-Occupant (Single-Family Dwelling)	\$491.70	\$530.36	\$38.66
Single-Family Dwelling	\$585.22	\$631.07	\$45.85
Larger Homes (1" water connection)	\$799.20	\$890.05	\$90.85
Single-Occupant Townhouse (on City garbage service)	\$453.92	\$491.96	\$38.04
Townhouse (on City garbage service)	\$508.85	\$546.16	\$37.31
Single-Occupant Townhouse (not on City garbage service)	\$359.48	\$396.17	\$36.69
Townhouse (not on City garbage service)	\$414.41	\$450.37	\$35.96
Single-Occupant (Apartment)	\$296.83	\$298.84	\$2.01
Apartment	\$320.75	\$323.02	\$2.27
Business: Water (\$/m <sup>3</sup> )	\$0.4547	\$0.5041	\$0.0494
Business: Sewer (\$/m <sup>3</sup> )	\$0.4291	\$0.4508	\$0.0217
Business: Garbage	\$14.86	\$16.57	\$1.71

The major cost drivers which are contributing to the increases in 2002 are:

- The move from a flat rate to a consumption-based charge results in higher than average increases for single-family and large dwellings for water and sewer services. This program commenced in 1999 as the result of a review undertaken by a task force made up of members of the community, Council and staff to model the program on a user-pay basis. This program is being phased in, with 2002 being the final year for water and 2003 being the final phasing year for sewer.
- Increase in regional charges for water purchases and sewer treatment.
- Increased wages and benefit rates.

- Contract rate adjustments for solid waste and recycling services equal to the consumer price index.
- A reduction in interest income from funding reserves due to lower interest rates. This reduces the amount of revenue available to offset costs.
- Increased infrastructure replacement needs.

The current sewer rate for single-occupants remains fixed for 2002, but will be discontinued in 2003, when the rate will be adjusted to correspond to sewer system usage by this customer class.

An explanation of the budget differences and significant issues within each of the utility areas follows.

## Water

The 2002 Water budget has increased \$1,624,479 over 2001:

Budget Items	2001	2002	\$ Difference
Operating Expenditures	\$4,620,200	\$5,108,200	\$488,000
Rate Stabilization Contribution	\$609,600	\$609,600	--
GVRD Water Purchases	\$7,876,578	\$8,603,057	\$726,479
Capital Program	\$2,090,000	\$2,390,000	\$300,000
Other Fiscal	\$2,181,400	\$2,291,400	\$110,000
<b>Total</b>	<b>\$17,377,778</b>	<b>\$19,002,257</b>	<b>\$1,624,479</b>

The net increase relates to an increase in regional water purchases and to meet operational requirements inclusive of salary, benefit and supplier increases. Additional financial impacts include a reduction in revenues from interest income on reserves due to lower interest rates. This requires additional funding from the rates to offset the lost revenues. Additional funding is also required for infrastructure replacement as outlined in a previous report to Council, which highlighted the need to accelerate capital funding levels to more closely align with ageing infrastructure replacement needs. Similarly, demand replacement costs have increased due to failures of system components which have exceeded their life expectancy. GVRD costs relate primarily to improved water treatment programs.

Residents in apartments will notice a slight reduction in their water rate, while residents in single-family and larger homes will experience a greater than normal offsetting increase. This is due to the equity adjustment to change from a flat rate to a consumption-based rate for water use. Full rate equity has been achieved in 2002, which represents the final year in a 4-year phased program. Adjustments in 2003 and future budgets will be equal for all customer classes, in percentage terms.

The budget amount presented reflects a contribution to the rate stabilization fund, as part of our rate leveling strategy. This helps to avoid and offset major spikes in the rates. Council could reduce or eliminate the amount of the rate stabilization contribution, which would translate to a reduction in the water rates. Staff does not recommend this action at this time since the GVWD

Drinking Water Treatment Program includes large future expenditures for filtration. To offset these future impacts on the rates, it is recommended to continue accumulating the rate stabilization fund now in order to create sufficient reserves which can be reduced or drawn from later.

A comparison of the 2001 and 2002 water rates is provided below. The following chart details the dollar change by customer class.

<i>2001/2002 Water Rates Comparison</i>			
<i>Customer Class</i>	<i>2001 Actual Rates</i>	<i>2002 Recommended Rates</i>	<i>\$ Difference 2002/2001</i>
Single Occupant	\$178.42	\$212.38	\$33.96
Single Family Dwelling	\$225.62	\$255.65	\$30.03
Larger Homes (1" connection)	\$344.19	\$403.25	\$59.06
Townhouse	\$192.11	\$214.93	\$22.82
Apartment	\$140.08	\$138.23	-\$1.85
Metered Rate (\$/m <sup>3</sup> )	\$0.4547	\$0.5041	\$0.0494

The chart below provides a percentage breakdown of the rate increase by customer class for each of Richmond's and GVRD cost increases, as well as the proportion of the rate increase/decrease resulting from the change to a consumption based charge (equity adjustment).

<i>Percentage Breakdown of 2002 Water Rates Change from 2002 Rates</i>				
<i>Customer Class</i>	<i>2002 Rate Increase</i>	<i>Proportion of Rate Increase from Richmond Costs</i>	<i>Proportion of Rate Increase from GVRD Costs</i>	<i>Proportion of Rate Increase from Equity Adjustment</i>
Single Occupant	\$33.96	\$10.37	\$9.29	\$14.30
Single Family Dwelling	\$30.03	\$13.40	\$12.01	\$4.62
Larger Homes (1" connection)	\$59.06	\$20.15	\$18.07	\$20.84
Townhouse	\$22.82	\$11.03	\$9.89	\$1.90
Apartment	-\$1.85	\$10.73	\$9.62	-\$22.20
Metered Rate (\$/m <sup>3</sup> )	\$0.0494	\$0.0260	\$0.0234	-

Water rates are projected to increase between 5% - 10% per year over the next several years. This is due primarily to regional increases for implementing ozone disinfection and corrosion control at the Capilano and Coquitlam water reservoirs, a water filter plant at Seymour, seismic upgrading of the Seymour Dam and existing pump stations, and works to control seepage at the Capilano Dam. Based on GVRD estimates provided, the cost of these works will be approximately \$440 million. As construction is completed for these projects, Richmond will start paying for the additional operation and maintenance costs for these new facilities.

The costs paid by the City to the GVRD relate principally to the facilities and systems to treat and deliver water to the municipal distribution points only. The City is responsible for construction and maintenance of the infrastructure within Richmond to distribute the water to residents and businesses. City costs are projected to rise to address additional costs associated with plant growth, CPI, accelerated infrastructure replacement, and possible increases related to demand repairs.

**Sewer**

The 2002 Sewer budget has increased \$756,290 over 2001:

Budget Items	2001	2002	\$ Difference
Operating Expenditures	\$2,734,800	\$2,853,700	\$118,900
GVS&DD O&M	\$7,112,110	\$7,396,500	\$284,390
GVS&DD DD Debt	\$5,448,200	\$5,883,800	\$435,600
Capital Program	\$550,000	\$550,000	--
Other Fiscal	\$1,583,000	\$1,536,000	-\$47,000
<b>Sub-Total</b>	<b>\$17,428,110</b>	<b>\$18,220,000</b>	<b>\$791,890</b>
Investment Income	(\$550,000)	(\$150,000)	\$400,000
Property Tax Levy for DD Debt	(\$5,448,200)	(\$5,883,800)	(\$435,600)
Rate Stabilization	\$0	\$0	\$0
<b>Sub Total</b>	<b>(\$5,998,200)</b>	<b>(\$6,033,800)</b>	
<b>Net Revenue Required from Rates</b>	<b>\$11,429,910</b>	<b>\$12,186,200</b>	<b>\$756,290</b>

The operating expenditure increases are due to an increase in labour and benefit charges, as well as material cost increases. GVRD costs are related to infrastructure upgrades, renewal and treatment plant upgrades. Lost revenues (due to a drop in interest income) result in the need to collect additional funding through the sewer rates to offset this revenue shortfall.

A comparison of the 2001 and 2002 sewer rates is provided below. The following chart details the dollar change by customer class.

Customer Class	2001 Actual Rates	2002 Recommended Rates	\$ Difference 2002/2001
Single Occupant	\$121.00	\$121.00	\$0
Single Family Dwelling	\$167.32	\$178.44	\$11.12
Larger Homes (1" connection)	\$262.73	\$289.82	\$27.09
Townhouse	\$162.24	\$172.65	\$10.41
Apartment	\$144.92	\$145.18	\$0.26
Metered Rate (\$/m <sup>3</sup> )	\$0.4291	\$0.4508	\$0.02

The chart below provides a breakdown of the rate increase by customer class for each of Richmond's and GVRD cost increases.

Customer Class	2002 Rate Increase	Proportion of Rate Increase from Richmond Costs	Proportion of Rate Increase from GVRD Costs	Proportion of Rate Increase from Equity Adjustment
Single Occupant	--	--	--	--
Single Family Dwelling	\$11.12	\$3.97	\$3.97	\$3.18
Larger Homes (1" connection)	\$27.09	\$6.77	\$6.77	\$13.55
Townhouse	\$10.41	\$4.34	\$4.34	\$1.73
Apartment	\$0.26	\$3.64	\$3.64	-\$7.02
Metered Rate (\$/m <sup>3</sup> )	\$0.0217	\$0.01085	\$0.01085	\$0.00

Sewer rates are projected to increase approximately 6% per year over the next several years. This is due primarily to plant growth, CPI and possible increases related to demand repairs, inflow and infiltration reduction, and the next phase of the Lulu Island Treatment Plant upgrading.

### Solid Waste & Recycling

The 2002 Solid Waste & Recycling budget has increased \$208,600 over 2001:

Budget Items	2001	2002	\$ Difference
Operating Expenditures	\$413,800	\$418,600	\$4,800
Rate Stabilization	\$175,600	\$171,600	-\$4,000
Collection Contracts	\$3,063,900	\$3,152,800	\$88,900
Disposal Costs	\$1,955,100	\$1,964,700	\$9,600
Program Costs	\$914,000	\$954,400	\$40,400
Environmental Programs	\$154,200	\$223,100	\$68,900
<b>Total</b>	<b>\$6,676,600</b>	<b>\$6,885,200</b>	<b>\$208,600</b>

The increases in this budget program relate primarily to the increase in staff wages and benefit costs as well as an increase in costs for garbage and recycling collection. Under the terms of our contract for these services, the City pays an annual increase to the contractor which is equivalent to the Consumer Price Index (CPI) for Vancouver for the prior year. A 2.6% CPI increase is provided for in this budget. There are no increases in 2001 in the regional tipping fee for garbage disposal. Program costs are increased due to additional volumes of yard waste material being delivered to the Recycling Depot. Funding has also been included for a ditch water quality study and pollution clean-up costs associated with contamination events (previously unfunded).

The net effect is an average increase of approximately \$4.20 in the 2002 rates. A summary of the rates by customer class is presented in the following table. The 2001 rates are also provided for comparison purposes.

<i>2002/2002 Solid Waste &amp; Recycling Rates Comparison</i>			
<i>Customer Class</i>	<i>2001 Actual Rates</i>	<i>2002 Recommended Rates</i>	<i>\$ Difference 2002/2001</i>
Single Occupant	\$192.28	\$196.98	\$4.70
Single Family Dwelling	\$192.28	\$196.98	\$4.70
Larger Homes (1" connection)	\$192.28	\$196.98	\$4.70
Townhouse	\$154.50	\$158.58	\$4.08
Apartment	\$35.75	\$39.61	\$3.86
Business Rate	\$14.86	\$16.57	\$1.71

The Solid Waste and Recycling budget is expected to increase only by the rate of inflation over the next two years. There is no increase anticipated in the regional tipping fee (currently \$65 per tonne) through 2003, when the GVRD expects to pay off a significant portion of their solid waste related debt. Richmond's residential contracts for garbage and recycling services expire at the end of 2002 (subject to two additional 1-year extensions). There could be a change in rates (either positive or negative) when this service is re-tendered.

### **Financial Impact**

The 2002 utility budgets and the rates outlined in this report, represent full cost recovery for each respective area. These rates maintain the existing practices of reserve funding and rate stabilization. The utility rate bylaws reflect the rates as outlined in this report.

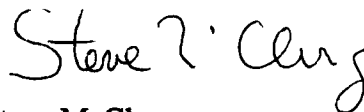
### **Conclusion**

The utility rates presented reflect the transition from a flat rate to a consumption-based charge. This results in higher than average increases for owners of single-family homes and larger residences, and lower than average increases for owners of apartments and townhouses. This trend will continue through 2003 in the sewer area, when full rate equity is achieved. The 2002 water rates reflect full rate equity, therefore, future costs increases for water will be equal among all customer classes.

The rates are also impacted this year by an increase in staff wages and benefit rates, operational cost increases associated with maintaining an aging infrastructure, inflationary costs and an increase in regional charges for water purchases and sewer treatment.



Suzanne Bycraft  
Manager, Environmental Programs



Steve McClurg  
Manager, Water Services & Acting  
Manager, Sewerage & Drainage

SJB:



**City of Richmond Waterworks  
and Water Rates Bylaw 5637  
Amendment Bylaw 7302 (2002)**

The Council of the City of Richmond, in open meeting assembled, enacts as follows:

1. The City of Richmond Waterworks and Water Rates Bylaw 5637 is amended by deleting Schedule A, Schedule B, Schedule C, Schedule D, Schedule E and Schedule F, and by substituting Schedule A, Schedule B, Schedule C, Schedule D, Schedule E and Schedule F attached hereto and forming part of this bylaw.
2. This Bylaw may be cited as " **City of Richmond Waterworks and Water Rates Bylaw 5637, Amendment Bylaw 7302 (2002)**".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

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

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MAYOR

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CITY CLERK





**The City of Richmond  
Waterworks and Water Rates Bylaw**

**Bylaw Year: 2002 Schedule B to Bylaw 7302**

**METERED RATES FOR DOMESTIC, COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS & FACILITIES**

All consumption per cubic metre is \$0.5041 per m<sup>3</sup>  
Minimum charge in any quarter of a year is \$51.97  
Meter rates as specified in this Schedule shall be charged in addition to the above rates

**METER RENTS FOR EACH METER**

For a continuous period of 3 months or broken part thereof.

The following shall be the rents charged for a meter or meters supplied for use on any premise.

For a 16mm (5/8") meter	\$ 10.90
For a 20mm (3/4") meter	\$ 13.63
For a 25mm (1") meter	\$ 14.99
For a 32mm (1 1/4") meter	\$ 26.35
For a 40mm (1 1/2") meter	\$ 26.35
For a 50mm (2") meter	\$ 29.75

**COMPOUND TYPE**

75mm (3")	\$ 100.85
100mm (4")	\$ 154.00
150mm (6")	\$ 255.75

**TURBINE TYPE**

50mm (2")	\$ 59.05
75mm (3")	\$ 76.10
100mm (4")	\$ 110.16
150mm (6")	\$ 210.32
200mm (8")	\$ 272.56

**FIRE LINE TYPE**

100mm (4")	\$ 264.34
150mm (6")	\$ 347.74
200mm (8")	\$ 462.62
250mm (10")	\$ 617.12

**SCHEDULE C to BYLAW 7302**

**CLASSIFICATION – FARMS**

For a continuous period of 3 months or broken part thereof;

For 1<sup>st</sup> quarter billing (January – March inclusive for 90m<sup>3</sup> or less \$51.97

For 2<sup>nd</sup> quarter billing (April – June inclusive) for 95m<sup>3</sup> or less \$51.97

For 3<sup>rd</sup> quarter billing (July – September inclusive) for 140m<sup>3</sup> or less \$51.97

For 4<sup>th</sup> quarter billing (October - December inclusive) for 90m<sup>3</sup> or less \$51.97

In calculating the charge to be made for water used for the farm, the consumption as shown by the meter or meters added together, less the minimum rate deducted for each quarter as laid down above, shall be calculated at \$0.5041 per m<sup>3</sup>. This minimum only to be charged where there is a farm dwelling on the property and the minimum charge shall be \$51.97 in any quarter year.

Where there is no dwelling on the property, a straight \$0.5041 per m<sup>3</sup> to be charged, and no minimum charge to be made.

Meter rates as specified in Schedule B of this bylaw shall be charged in addition to above rates.

Where there is a house on the property, no meter rent to be charged for connection to one residence regardless of the number of meters on the property.

Where there is no house, meter rent for each meter used.

**The City of Richmond  
Waterworks and Water Rates Bylaw**

**Bylaw Year: 2002**  
**Schedule D to Bylaw 7302**

**WATER CONNECTION FEES**

<b>Water Connection Size</b>	<b>Connection Fee</b>
20mm (3/4") diameter	\$ 1,600
25mm (1") diameter	\$ 2,000
40mm (1 1/2") diameter	\$ 3,000
50mm (2") diameter	\$ 3,900
100mm (4") diameter	\$ 6,500
150mm (6") diameter	\$ 8,500
200mm (8") diameter	\$ 11,000
larger than 200mm (8") diameter	actual cost**

\* Connection fees listed applied only where the connecting property is adjacent to City property or right-of-way in which the supply watermain is located. Otherwise the connection fee will be the actual cost of installation.

\*\* Actual cost shall include all appropriate administrative costs. Applicants shall pay a deposit prior to construction equal to the cost estimate provided by the Richmond Public Works Division.

**SCHEDULE E to BYLAW 7302**

**CONNECTION CHARGES AND CONSTRUCTION USER RATES –  
RESIDENTIAL**

The period of construction shall be fixed at:

- 6 months for single and two family residential dwellings;
- 1 year for townhouses and other multi-family dwellings of less than 4 storeys; and
- 18 months for multi-family dwellings of 4 storeys and greater,

and shall commence upon application for water service. Extensions to construction periods may be allowed upon written request to the City Collector.

Every owner making application for water service to any premises capable of connection to a watermain shall, at the time of making such application, pay to the City of Richmond, a connection charge as set out in Schedule D hereof, and user rates as set out below.

Regular billings for water service shall commence in the year as specified on the following page.

**The City of Richmond  
Waterworks and Water Rates Bylaw**

**BYLAW YEAR: 2002 Schedule E to Bylaw 7302**

**2002 WATER RATES FOR NEW CONSTRUCTION**

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	2002	\$ 230	2003	\$ 193	2003	\$ 256	2004
February	2002	\$ 211	2003	\$ 379	2004	\$ 245	2004
March	2002	\$ 192	2003	\$ 363	2004	\$ 235	2004
April	2002	\$ 173	2003	\$ 347	2004	\$ 224	2004
May	2002	\$ 153	2003	\$ 331	2004	\$ 214	2004
June	2002	\$ 134	2003	\$ 315	2004	\$ 204	2004
July	2002	\$ 115	2003	\$ 299	2004	\$ 193	2004
August	2002	\$ 336	2004	\$ 283	2004	\$ 183	2005
September	2002	\$ 316	2004	\$ 267	2004	\$ 173	2005
October	2002	\$ 296	2004	\$ 250	2004	\$ 162	2005
November	2002	\$ 276	2004	\$ 234	2004	\$ 152	2005
December	2002	\$ 255	2004	\$ 218	2004	\$ 142	2005

**The City of Richmond  
Waterworks and Water Rate Bylaw**

**BYLAW YEAR: 2002 Schedule E to Bylaw 7302**

Page 3 of 3

**CONNECTION CHARGES AND CONSTRUCTION USER RATES -  
COMMERCIAL AND INDUSTRIAL**

Every owner making application for water service to any premises capable of connection to a watermain shall, at the time of making such application, pay to the City of Richmond, a connection charge as follows:

20mm (3/4") diameter connection	\$	120
25mm (1") diameter connection	\$	240
40mm (1 1/2") diameter connection	\$	600
50mm (2") diameter connection	\$	1,510

The period of construction shall be fixed at 180 days commencing upon application for water service.

If a meter is installed prior to the completion of the 180 day period, then a pro-rated sum shall be credited to the appropriate account. If a meter is not installed within the 180 day period, then rates and credits shall continue as above for each successive 180 day period until the meter is installed.

**The City of Richmond  
Waterworks and Water Rates Bylaw**

**BYLAW YEAR: 2002 Schedule F to Bylaw 7302**

**MISCELLANEOUS CHARGES**

1. For an inaccessible meter as set out in Section 7	\$25 per month
2. For each turn on or turn off	\$35
3. For each non-emergency service call during non-working hours	\$400
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	\$80
(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	\$750
(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 tests	\$100





City of Richmond Sanitary Sewer Rates Bylaw 5681
Amendment Bylaw 7301 (2002)

The Council of the City of Richmond, in open meeting assembled, enacts as follows:

- 1. The City of Richmond Sanitary Sewer Rates Bylaw 5681 is amended by deleting Schedule A and by substituting therefore Schedule A attached hereto and forming part of this bylaw.
2. The City of Richmond Sanitary Sewer Rates Bylaw 5681 is amended by deleting Schedule C and by substituting therefore Schedule C attached hereto and forming part of this bylaw.
3. This Bylaw may be cited as " City of Richmond Sanitary Sewer Rates Bylaw 5681, Amendment Bylaw 7301 (2002)".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

Four horizontal lines for signatures or dates.

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

MAYOR

CITY CLERK

## The City of Richmond Sanitary Sewer Rates Bylaw

### Bylaw Year: 2002 Schedule A to Bylaw 7301

Rates per year January 1st to December 31st, both inclusive, for service in connection with premises or buildings or for the purpose hereinafter set out, other than charges based on metered water consumption.

#### FLAT RATES FOR DOMESTIC, BUSINESS AND INSTITUTIONAL PURPOSES

##### A. Residential Dwellings per unit

Single Occupant with 3/4" water service	\$ 121.00
Dwellings with 3/4 inch water service	\$ 178.44
Dwellings with 1 inch water service	\$ 289.82
Townhouse	\$ 172.65
Apartment	\$ 145.18
Dwellings with larger water service	See metered rates below

B. Public School - per classroom \$ 178.44

C. Shops and Offices - per unit \$ 121.00

#### METERED RATES FOR DOMESTIC, COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS AND FACILITIES

Rate per m<sup>3</sup> - \$ 0.4508

Minimum charge in any quarter of a year - \$39.73

**The City of Richmond  
Sanitary Sewer Rates Bylaw**

**Bylaw Year: 2002 Schedule C to Bylaw 7301**

**2002 SANITARY SEWER RATES FOR NEW CONSTRUCTION  
RATE FOR EACH DWELLING**

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	2002	\$ 80	2003	\$ -	2003	\$ 68	2004
February	2002	\$ 67	2003	\$ 154	2004	\$ 57	2004
March	2002	\$ 54	2003	\$ 140	2004	\$ 46	2004
April	2002	\$ 40	2003	\$ 126	2004	\$ 34	2004
May	2002	\$ 27	2003	\$ 112	2004	\$ 23	2004
June	2002	\$ 13	2003	\$ 98	2004	\$ 11	2004
July	2002	\$ -	2003	\$ 84	2004	\$ -	2004
August	2002	\$ 164	2004	\$ 70	2004	\$ 128	2005
September	2002	\$ 149	2004	\$ 56	2004	\$ 116	2005
October	2002	\$ 134	2004	\$ 42	2004	\$ 104	2005
November	2002	\$ 119	2004	\$ 28	2004	\$ 93	2005
December	2002	\$ 104	2004	\$ 14	2004	\$ 81	2005



**City Of Richmond Solid Waste & Recycling Regulation Bylaw 6803  
Amendment Bylaw 7300 (2002)**

The Council of the City of Richmond, in open meeting assembled, enacts as follows:

1. The City of Richmond Solid Waste and Recycling Regulation Bylaw 6803 is hereby amended by deleting Schedule A, Schedule B, Schedule C and Schedule D, and by substituting Schedule A, Schedule B, Schedule C and Schedule D attached hereto and forming part of this bylaw.
2. This Bylaw may be cited as "**Solid Waste and Recycling Regulation Bylaw 6803, Amendment Bylaw 7300 (2002)**".

FIRST READING

SECOND READING

THIRD READING

ADOPTED

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CITY CLERK

**City of Richmond  
Solid Waste and Recycling Regulation Bylaw**

**BYLAW YEAR:**

**2002**

**SCHEDULE A to BYLAW NO. 7300**

<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	\$	95.79
Fee for each excess garbage container tag	\$	2.00

**SCHEDULE B to BYLAW NO. 7300**

<b>FEES FOR CITY RECYCLING SERVICE</b>		
Annual City recycling service fee:		
(a) for residential properties, which receive blue box service (per unit)	\$	48.50
(b) for multi-family dwellings or townhouse developments which receive centralized collection service (per unit)	\$	25.32
Annual recycling service fee for yard and garden trimmings from single-family dwellings and from each unit in a duplex dwelling	\$	38.40
City recycling service fee for the Recycling Depot:		
	\$12.00 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	\$12.00 per cubic yard	
(c) for recycling materials from non-residential properties		\$0
Annual City recycling service fee for non-residential properties	\$	2.28

**SCHEDULE C to BYLAW 7300**

<b>FEES FOR CITY LITTER COLLECTION SERVICE</b>		
Annual City litter collection service fee for both residential properties and non-residential properties	\$	14.29

City of Richmond  
Solid Waste and Recycling Regulation Bylaw

SCHEDULE D to BYLAW NO. 7300

BYLAW YEAR: 2002

NEW RESIDENTIAL PROPERTY PAYMENT FEE SCHEDULE												
RECYCLING & LITTER COLLECTION FEE PER STRATA LOT												
Month in Current Year in which Building Permit is Issued	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		
	Protated Fee Per Unit	Year in which Annual Fee Commences	Protated Fee Per Unit	Year in which Annual Fee Commences	Protated Fee Per Unit	Year in which Annual Fee Commences	Protated Fee Per Unit	Year in which Annual Fee Commences	Protated Fee Per Unit	Year in which Annual Fee Commences	Protated Fee Per Unit	Year in which Annual Fee Commences
January 2002	\$ 89	2003	\$ -	2003	\$ -	2003	2003	\$ -	2003	\$ 18	2004	
February 2002	\$ 74	2003	\$ 133	2004	\$ 53	2004	2004	\$ 53	2004	\$ 15	2004	
March 2002	\$ 59	2003	\$ 121	2004	\$ 48	2004	2004	\$ 48	2004	\$ 12	2004	
April 2002	\$ 44	2003	\$ 108	2004	\$ 43	2004	2004	\$ 43	2004	\$ 9	2004	
May 2002	\$ 30	2003	\$ 96	2004	\$ 38	2004	2004	\$ 38	2004	\$ 6	2004	
June 2002	\$ 15	2003	\$ 84	2004	\$ 34	2004	2004	\$ 34	2004	\$ 3	2004	
July 2002	\$ -	2003	\$ 72	2004	\$ 29	2004	2004	\$ 29	2004	\$ -	2004	
August 2002	\$ 166	2004	\$ 60	2004	\$ 24	2004	2004	\$ 24	2004	\$ 34	2005	
September 2002	\$ 151	2004	\$ 48	2004	\$ 19	2004	2004	\$ 19	2004	\$ 31	2005	
October 2002	\$ 136	2004	\$ 36	2004	\$ 14	2004	2004	\$ 14	2004	\$ 28	2005	
November 2002	\$ 121	2004	\$ 24	2004	\$ 10	2004	2004	\$ 10	2004	\$ 25	2005	
December 2002	\$ 105	2004	\$ 12	2004	\$ 5	2004	2004	\$ 5	2004	\$ 22	2005	