

Report to Council

November 3, 2023 10-6050-01/2023-Vol

Date:

File:

To:

Richmond City Council

From:

John Irving, P.Eng. MPA

General Manager, Engineering and Public

Works

Jerry Chong, CPA, CA

General Manager, Finance and Corporate

Services

Re:

2024 Utility Rate Amendment Bylaws

Staff Recommendation

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

- a) Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 10502;
- b) Flood Protection Bylaw No. 10426, Amendment Bylaw No. 10499;
- c) Sanitary Sewer Bylaw No. 10427, Amendment Bylaw No. 10500; and
- d) Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 10501.

John Irving, P.Eng. MPA

General Manager,

Engineering and Public Works

(604-276-4140)

Jerry Chong, CPA, CA

General Manager,

Finance and Corporate Services

(604-276-4064)

REPORT CONCURRENCE					
ROUTED TO:	CONCURRENCE OF GENERAL MANAGER				
Law		The king			
SENIOR STAFF REPORT REVIEW		APPROVED BY CAO			

Staff Report

Origin

At the November 6, 2023 Finance Committee, the following resolutions were endorsed by Committee as part of their consideration of the 2024 Utility Budgets and Rates:

That the 2024 utility budgets, as presented in Option 3 for Water (page 7), Option 3 for Sewer (page 14), Option 3 for Flood Protection (page 25), and Option 2 for Solid Waste and Recycling (page 27), as outlined in the staff report titled, "2024 Utility Budgets and Rates", dated October 4, 2023, from the General Manager, Engineering and Public Works and the General Manager, Finance and Corporate Services, be approved as the basis for establishing the 2024 utility rates and included in the Consolidated 5 Year Financial Plan (2024-2028)

Subject to Council's acceptance of the above Finance Committee recommendation, this report presents the amending bylaws required to bring the utility rates into effect for 2024.

This report supports Council's Strategic Plan 2022-2026 Focus Area #3 A Safe and Prepared Community:

Community safety and preparedness through effective planning, strategic partnerships and proactive programs.

- 3.1 Advance proactive, sustainable, and accelerated flood protection in collaboration with other governments and agencies.
- 3.2 Leverage strategic partnerships and community-based approaches for comprehensive safety services.
- 3.3 Ensure the community is collectively prepared for emergencies and potential disasters.
- 3.4 Ensure civic infrastructure, assets and resources are effectively maintained and continue to meet the needs of the community as it grows.

This report supports Council's Strategic Plan 2022-2026 Focus Area #4 Responsible Financial Management and Governance:

Responsible financial management and efficient use of public resources to meet the needs of the community.

- 4.1 Ensure effective financial planning to support a sustainable future for the City.
- 4.2 Seek improvements and efficiencies in all aspects of City business.
- 4.3 Foster community trust through open, transparent and accountable budgeting practices and processes.

4.4 Work with all levels of governments for grant and funding opportunities.

This report supports Council's Strategic Plan 2022-2026 Focus Area #5 A Leader in Environmental Sustainability:

Leadership in environmental sustainability through innovative, sustainable and proactive solutions that mitigate climate change and other environmental impacts.

- 5.1 Continue to demonstrate leadership in proactive climate action and environmental sustainability.
- 5.2 Support the preservation and enhancement of Richmond's natural environment.
- 5.3 Encourage waste reduction and sustainable choices in the City and community.

Analysis

The following is a summary of the amendment bylaws proposed to reflect the utility rates for 2024 for each of the Water, Sanitary Sewer, Flood Protection, and Solid Waste and Recycling utilities endorsed by Committee at the November 6, 2023 Finance Committee Meeting, as outlined in the "2024 Utility Budgets and Rates" report, dated October 4, 2023, from the General Manager, Engineering and Public Works and the General Manager, Finance and Corporate Services:

- 1. Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 10502:
 - a. Changes to implement the 2024 water rates as outlined in Option 3 of the "2024 Utility Budgets and Rates" report.
- 2. Flood Protection Bylaw No. 10426, Amendment Bylaw No. 10499:
 - a. Changes to implement the 2024 flood protection rates as outlined in Option 3 of the "2024 Utility Budgets and Rates" report.
- 3. Sanitary Sewer Bylaw No. 10427, Amendment Bylaw No. 10500:
 - a. Changes to implement the 2024 sanitary sewer rates as outlined in Option 3 of the "2024 Utility Budgets and Rates" report.
- 4. Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 10501:
 - a. Changes to implement the 2024 solid waste and recycling rates as outlined in Option 2 of the "2024 Utility Budgets and Rates" report.
 - b. Staff note a change due to a summation correction required to the rate for townhouses not on City garbage service identified in the October 4, 2023 report entitled "2024 Utility Budgets and Rates". The rate was identified as \$209.72 for the gross garbage and recycling rate for metered and flat rate townhouse

customers not on City garbage services versus the correct amount of \$220.56. This reflects a total net increase to metered and flat rate customers of 5.1%. This corrected rate is reflected in the rates outlined in Amendment Bylaw 10501 presented with this report.

Financial Impact

The rates outlined in the proposed amending bylaws represent full cost recovery for each respective utility area including infrastructure utility-related Metro Vancouver imposed costs and City operating costs. The impact to ratepayers is outlined in the "2024 Utility Budgets and Rates" report, dated October 4, 2023.

Conclusion

The amending bylaws presented with this report require Council's approval to charge for the various utility services in 2024. These services include the provision of high-quality drinking water for all residents and businesses, sewage conveyance and treatment, flood protection, 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 has been developed to manage these competing costs effectively, while balancing the fiscal challenges presented by increases in regional service rates, contract and other non-discretionary cost increases.

Eric Sparolin, P.Eng. Manager, Engineering Planning (604-247-4915)

ES:es

Kristina Nishi Manager, Recycling & Waste Recovery (604-244-1280)



Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 10502

- 1. The Waterworks and Water Rates Bylaw No. 5637, as amended, is further amended by deleting Schedules A, B, C, E and G and replacing them with the corresponding schedules attached as Schedule A to this bylaw and forming part thereof.
- 2. This Bylaw is cited as "Waterworks and Water Rates Bylaw No. 5637, Amendment Bylaw No. 10502", and is effective January 1, 2024.

FIRST READING	CITY OF RICHMOND
SECOND READING	APPROVED for content or originating originating dept.
THIRD READING	APPROVED
ADOPTED	for legality by Solicitor
- NAMOR	CONDOR ATTO OFFICIEN
MAYOR	CORPORATE OFFICER

SCHEDULE A TO BYLAW NO. 10502

SCHEDULE "A" to BYLAW NO. 5637

FLAT RATES FOR RESIDENTIAL, AGRICULTURAL, AND INSTITUTIONAL PROPERTIES

A.	Residential dwellings per unit	Annual Fee
	One-Family Dwelling or Two-Family Dwelling	\$921.63
	Townhouse	\$754.42
	Apartment	\$486.16
В.	Stable or Barn per unit	\$185.69
C.	Field Supply - each trough, water receptacle, or tap	\$116.09
D.	Public Schools for each pupil based on registration January 1 st	\$11.00

SCHEDULE "B" TO BYLAW NO. 5637

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

1. RATES

Consumption per cubic metre: \$1.7356 Minimum charge in any 3-month period (not applicable to Farms) \$114.00

2. WATER METER FIXED CHARGE

Fixed charge per water meter for each 3-month period:

Meter Size	Fixed Charge
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

3. FEE FOR AN INACCESSIBLE METER AS SET OUT IN SECTION 7

Per quarter that the meter is inaccessible (not to be pro-rated) \$215

SCHEDULE "C" TO BYLAW NO. 5637

METERED RATES FOR ONE-FAMILY DWELLING AND TWO-FAMILY DWELLING

1. RATES

Consumption per cubic metre:

\$1.7356

2. WATER METER FIXED CHARGE

Fixed charge per water meter for each 3-month period:

Meter Size	Fixed Charge
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

3. FEE FOR AN INACCESSIBLE METER AS SET OUT IN SECTION 7

Per quarter that the meter is inaccessible (not to be pro-rated)

\$215

SCHEDULE "E" to BYLAW 5637

CONSTRUCTION PERIOD WATER CONSUMPTION RATES – RESIDENTIAL

MONTH (2024)	ONE-FAMILY DWELLINGS & EACH UNIT IN A TWO-FAMILY DWELLING (rate per unit)	START BILL YEAR	MULTI- FAMILY LESS THAN 4 STOREYS (rate per unit)	START BILL YEAR	MULTI- FAMILY 4 STOREYS OR MORE (rate per unit)	START BILL YEAR
January	\$922	2025	\$754	2025	\$1,017	2026
February	\$845	2025	\$1,515	2026	\$976	2026
March	\$768	2025	\$1,452	2026	\$936	2026
April	\$691	2025	\$1,389	2026	\$895	2026
May	\$614	2025	\$1,326	2026	\$855	2026
June	\$538	2025	\$1,263	2026	\$814	2026
July	\$461	2025	\$1,200	2026	\$773	2026
August	\$1,390	2026	\$1,137	2026	\$1,312	2027
September	\$1,313	2026	\$1,075	2026	\$1,271	2027
October	\$1,236	2026	\$1,012	2026	\$1,231	2027
November	\$1,159	2026	\$949	2026	\$1,190	2027
December	\$1,082	2026	\$886	2026	\$1,150	2027

CONSTRUCTION PERIOD WATER CONSUMPTION RATES – COMMERCIAL AND INDUSTRIAL

Water Connection Size	Consumption Charge	
20mm (3/4") diameter	\$170	
25mm (1") diameter	\$325	
40mm (1 ½") diameter	\$805	
50mm (2") diameter and larger	\$1,990	

SCHEDULE "G" to BYLAW 5637

RATES FOR VANCOUVER INTERNATIONAL AIRPORT AUTHORITY (YVR)

Applicable rate is \$1.3742 per cubic meter of water consumed, plus the following amounts:

- YVR's share of future water infrastructure capital replacement calculated at \$0.3372 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; and
- 76 m³ of water per annum at a rate of \$1.3742 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)



Bylaw No. 10499

Flood Protection Bylaw No. 10426, Amendment Bylaw No. 10499

- 1. The Flood Protection Bylaw No. 10426, as amended, is further amended by deleting Schedule B and replacing it with the schedule attached as Schedule A to this bylaw and forming part thereof.
- 2. This Bylaw is cited as "Flood Protection Bylaw No. 10426, Amendment Bylaw No. 10499", and is effective January 1, 2024.

FIRST READING		CITY OF RICHMOND
SECOND READING		APPROVED for content by originating dept.
THIRD READING		APPROVED
ADOPTED		for legality by Solicitor
MAYOR	CORPORATE OFFICER	

SCHEDULE A TO BYLAW NO. 10499

SCHEDULE B to BYLAW NO. 10426

FLOOD PROTECTION USER FEES

		Annual Fee
(a)	Residential Dwellings (per dwelling unit)	
	(i) One-Family Dwelling or Two-Family Dwelling	\$299.90
	(ii) Multiple-Family Dwellings	\$216.23
(b)	Agricultural properties	\$299.90
(c)	Stratified industrial, commercial and institutional properties	\$299.90
	(per strata lot)	
(d)	Non-stratified industrial, commercial and institutional properties	\$299.90
	with lot areas less than 800 m ²	
(e)	Non-stratified industrial, commercial and institutional properties	\$600.76
	with lot areas between 800 m ² and 2,000 m ²	
(f)	Non-stratified industrial, commercial and institutional properties	\$1,101.72
	with lot areas between 2,000 m ² and 10,000 m ²	
(g)	Non-stratified industrial, commercial and institutional properties	\$3,148.42
	with lot areas between 10,000 m ² and 20,000 m ²	
(h)	Non-stratified industrial, commercial and institutional properties	\$6,698.62
	with lot areas between 20,000 m ² and 50,000 m ²	
(i)	Non-stratified industrial, commercial and institutional properties	\$9,213.78
	with lot areas between 50,000 m ² and 100,000 m ²	
(j)	Non-stratified industrial, commercial and institutional properties	\$13,489.93
	with lot areas between 100,00 m ² and 500,000 m ²	
(k)	Non-stratified industrial, commercial and institutional properties	\$20,116.78
	with lot areas greater than 500,000 m ²	





Sanitary Sewer Bylaw No. 10427, Amendment Bylaw No. 10500

- 1. The Sanitary Sewer Bylaw No. 10427, as amended, is further amended by deleting Schedule B and replacing it with the schedule attached as Schedule A to this bylaw and forming part thereof.
- 2. This Bylaw is cited as "Sanitary Sewer Bylaw No. 10427, Amendment Bylaw No. 10500", and is effective January 1, 2024.

FIRST READING		CITY OF RICHMOND
SECOND READING		APPROVED for content by originating dept.
THIRD READING		APPROVED
ADOPTED		for legality by Solicitor
MAYOR	CORPORATE OFFICER	

(a)

(b)

SCHEDULE A TO BYLAW NO. 10500

SCHEDULE B to BYLAW NO. 10427

SANITARY SEWER USER FEES

1. FLAT RATES FOR NON-METERED PROPERTIES

		Allilual Usel I ee
)	Residential Dwellings (per dwelling unit)	
	(i) One-Family Dwelling or Two-Family Dwelling	\$787.92
	(ii) Townhouses	\$720.92
	(iii) Apartments	\$600.42
)	Public School (per classroom)	\$541.82
)	Shops and Offices (per unit)	\$641.60
)	Shops and Offices (per unit)	\$641.60

2. RATES FOR METERED PROPERTIES

User Rate

Annual User Fee

Calculated as rate per cubic metre (m³) of water delivered to the property: \$1.9218

3. MINIMUM USER FEE FOR COMMERCIAL, INDUSTRIAL, INSTITUTIONAL, AND AGRICULTURAL

Minimum charge in any quarter of a year:

\$ 86.00

4. CONSTRUCTION PERIOD USER FEE (per dwelling unit per month)

Month (2024)	One-Family Dwellings & Each Unit in a Two- Family Dwelling (fee per dwelling unit)	Start Bill Year	Multi-Family Dwelling Less than 4 Storeys (fee per dwelling unit)	Start Bill Year	Multi-Family Dwelling 4 Storeys or More (fee per dwelling unit)	Start Bill Year
January	\$788	2025	\$721	2025	\$1,266	2026
February	\$722	2025	\$1,460	2026	\$1,216	2026
March	\$657	2025	\$1,400	2026	\$1,166	2026
April	\$591	2025	\$1,340	2026	\$1,116	2026
May	\$525	2025	\$1,280	2026	\$1,066	2026
June	\$460	2025	\$1,219	2026	\$1,016	2026
July	\$394	2025	\$1,159	2026	\$966	2026
August	\$1,201	2026	\$1,099	2026	\$1,653	2027
September	\$1,136	2026	\$1,039	2026	\$1,603	2027
October	\$1,070	2026	\$979	2026	\$1,553	2027
November	\$1,004	2026	\$919	2026	\$1,503	2027
December	\$939	2026	\$859	2026	\$1,453	2027



Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 10501

- 1. The **Solid Waste and Recycling Regulation Bylaw No. 6803**, as amended, is further amended by deleting Schedules A through D and replacing them with the corresponding schedules attached as Schedule A to this bylaw and forming part thereof.
- 2. This Bylaw is cited as "Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 10501", and is effective January 1, 2024.

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FIRST READING		RICHMOND
SECOND READING		APPROVED for content by originating dept.
THIRD READING		<u>A</u>
ADOPTED		APPROVED for legality by Solicitor
MAYOR	CORPORATE OFFICER	

SCHEDULE A TO BYLAW NO. 10501

BYLAW YEAR:

2024

SCHEDULE A to BYLAW NO. 6803

FEES FOR CITY GARBAGE COLLECTION SERVICE					
Annual City garbage collection service fee for each unit in a single-family					
dwelling, each unit in a duplex dwelling, and each unit in a townhouse		05.56			
development: 80L container	\$	85.56			
Annual City garbage collection service fee for each unit in a townhouse		100.67			
development with weekly collection service: 80L container	\$	102.67			
Annual City garbage collection service fee for each unit in a single-family					
dwelling, each unit in a duplex dwelling, and each unit in a townhouse	•	115 02			
development: 120L container	\$	115.83			
Annual City garbage collection service fee for each unit in a townhouse	\$	139.00			
development with weekly collection service: 120L container) D	139.00			
Annual City garbage collection service fee for each unit in a single-family					
dwelling, each unit in a duplex dwelling, and each unit in a townhouse development: 240L container	\$	146.67			
· · · · · · · · · · · · · · · · · · ·	Ф	140.07			
Annual City garbage collection service fee for each unit in a townhouse development with weekly collection service: 240L container	\$	176.00			
Annual City garbage collection service fee for each unit in a single-family	Φ	1 /0.00			
dwelling, each unit in a duplex dwelling, and each unit in a townhouse					
development: 360L container	\$	275.56			
Annual City garbage collection service fee for each unit in a townhouse	Ψ	213.30			
development with weekly collection service: 360L container	\$	330.67			
Annual City garbage collection service fee for each unit in a multi-family	Ψ	330.07			
dwelling					
- Weekly service	\$	53.89			
- Twice per week service	\$	94.44			
Optional Monthly City garbage collection service fee for Commercial customers	- 				
- Weekly service	\$	79.82			
- Cost per additional cart	\$	43.74			
Optional Monthly City garbage collection service fee for Commercial customers					
- Twice weekly service	\$	135.78			
- Cost per additional cart	\$	61.77			
Fee for garbage cart replacement	\$	25.00			
Fee for each excess garbage container tag	\$	2.00			
Large Item Pick Up fee	\$	22.78			
Non-compliant large item collection fee	\$	75.00			

SCHEDULE B to BYLAW NO. 6803

FEES FOR CITY RECYCLING SERVICE			
	1		
Annual City recycling service fee: (a) For residential properties, which receive blue box service (per unit)	\$	77.00	
(a) For residential properties, which receive due box service (per unit) (b) For multi-family dwellings or townhouse developments which receive centralized	Φ	77.00	
collection service (per unit)	\$	61.56	
Annual City recycling service fee:	Ψ	01.50	
(a) For yard and garden trimmings and food waste from single-family dwellings and from			
each unit in a duplex dwelling (per unit)	\$	183.56	
(b) For yard and garden trimmings and food waste from townhome dwellings that receive	*		
City garbage or blue box service (per unit)	\$	74.44	
(c) For yard and garden trimmings and food waste from multi-family dwellings			
- Weekly Service	\$	56.67	
- Twice per week service	\$	76.94	
Cardboard bin recycling service for multi-family dwellings, collected once every 2 weeks	\$	70.00/bin/month	
Cardboard bin recycling service for multi-family dwellings, collected weekly	\$	80.00/bin/month	
Fee for yard/food waste cart replacement	\$	25.00	
Annual City recycling service fee for non-residential properties	\$	7.84	
Optional Monthly City organics collection service fee for Commercial customers			
- Weekly service	\$	75.78	
- Cost per additional cart	\$	33.50	
Optional Monthly City organics collection service fee for Commercial customers	φ.	104.50	
- Twice weekly service	\$	104.50	
- Cost per additional cart	\$	63.75	
City recycling service fee for the Recycling Depot:	\$24	5 00 per cubic yard	
	\$25.00 per cubic yar for the second an		
	1	h subsequent cubic	
(a) (i) for yard and garden trimmings from residential properties	Caci	vard	
(ii) for recyclable material from residential properties	\$	0.00	
(b) For yard and garden trimmings from non-residential properties		5.00 per cubic yard	
(c) For recycling materials from non-residential properties	\$	0.00	
(d) For upholstered furniture from residential properties			
(i) office/dining chair, ottoman, bench	\$	0.00	
(ii) arm chair, loveseat, couch, recliner, chaise	\$	0.00	
(iii) sectional, sofabed, reclining loveseat/couch, massage chair	\$	0.00	
(e) For upholstered furniture from non-residential properties			
(i) office/dining chair, ottoman, bench	\$	20.00	
(ii) arm chair, loveseat, couch, recliner, chaise	\$	35.00	
(iii) sectional, sofabed, reclining loveseat/couch, massage chair	\$	50.00	

SCHEDULE C to BYLAW NO. 6803

FEES FOR CITY LITTER COLLECTION SERVICE	CE	
Annual City litter collection service fee for both residential properties and non-residential properties	\$	46.33

SCHEDULE D TO BYLAW 6803

		RECYCLING & LITTER COLLECTION FEE PER STRATA LOT	Multi-Family Development	Year in which	Annual Fee Commences	2026	2026	2026	2026	2026	2026	2026	2027	2027	2027	2027	2027
NEW RESIDENTIAL PROPERTY PAYMENT FEE SCHEDULE	LE	TION FEE PE	Multi-Famil		Prorated Fee Per Unit	9/ \$	\$ 63	\$ 50	\$ 38	\$ 25	\$ 13	- \$	\$ 141	\$ 128	\$ 116	\$ 103	06 \$
	TTER COLLE	evelopment	Year in which	Annual Fee Commences	2025	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	
	ERTY PAYMEN	ECYCLING & L	Townhouse Development		Prorated Fee Per Unit		166	151	136	121	106	91	92	61	45	30	15
	DENTIAL PROP)evelopment	Year in which	Annual Fee P	2025	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026
	NEW RESII	LITTER COLL	Townhouse Development		Prorated Fee Per Unit	- \$	\$ 283	\$ 257	\$ 232	\$ 206	\$ 180	\$ 154	\$ 129	\$ 103	\$ 77	\$ 51	\$ 26
		GARBAGE, RECYCLING & LITTER COLLECTION FEE	y Dwellings in a Duplex ling	Year in which	Annual Fee Commences	2025	2025	2025	2025	2025	2025	2025	2026	2026	2026	2026	2026
		GARBAGE, 1	Single-Family Dwellings & Each Unit in a Duplex Dwelling		Prorated Fee Per Unit	\$ 214	\$ 179	\$ 143	\$ 107	\$ 71	\$ 36	- \$	\$ 401	\$ 364	\$ - 328	\$ 292	\$ 255
						2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
				Month in Current Year	in which Building Permit is Issued	January	February	March	April	May	June	July	August	September	October	November	December