



ADMINISTRATIVE REPORT

Report Date: November 19, 2019
Contact: Albert Shames
Contact No.: 604-873-7300
RTS No.: 13359
VanRIMS No.: 08-2000-20
Meeting Date: December 3, 2019

TO: Vancouver City Council
FROM: General Manager of Engineering Services
SUBJECT: 2020 Solid Waste Utility (SWU) Fees and Miscellaneous By-Law Changes

RECOMMENDATION

- A. THAT Council approve, in principle, the proposed amendments to the Solid Waste By-law, the Ticket Offences By-law, and the Street and Traffic By-law, all generally as set out in this report and in Appendix A, including the establishment of the 2020 rates and fees.
- B. THAT Council instruct the Director of Legal Services to bring forward for enactment amendments to the Solid Waste By-law, the Ticket Offences By-law, and the Street and Traffic By-law to adjust rates and fees and make other miscellaneous amendments generally in accordance with Appendix B.
- C. THAT, if Recommendations A and B are approved, the Director of Finance be directed to make such consequential amendments to the draft 2020 Operating Budget as are required to reflect such approvals and provide such amendments for Council's consideration at the Council meeting where the 2020 Budget is to be voted on by Council.

REPORT SUMMARY

Each year, the Solid Waste Utility provides a report that describes the Utility's progress in meeting its strategic objectives and plans for the upcoming year and recommends revisions to utility rates, tipping fees and amendments to the Solid Waste By-Law.

Solid waste utility rates for 2020 cover the cost of garbage and green bin collection and include a contribution to general street cleaning services provided by the City. They also include the cost of transfer and disposal of Vancouver residential waste at the Vancouver Landfill and transfer and composting of material collected through the green bin program. The contribution to support general street cleaning programs covers portions of the cost of collection of litter,

including nuisance items such as needles, leaves and abandoned and illegally dumped waste, in and around residential areas of the City.

Table 1 lists the proposed utility rates for 2020. Staff are proposing a combined rate increase of 4% for a representative single-family residence.

Table 1 – 2020 Collection Fees for a Representative Single Family Home

Utility Rates	2018	2019	% Increase	2020 Proposed	% Increase
180 L Garbage Cart	\$ 114	\$ 112	-1.8%	\$ 117	4.5%
240 L Green Bin Cart	\$ 161	\$ 192	19.3%	\$ 199	3.6%
Subtotal	\$ 275	\$ 304	10.5%	\$ 316	3.9%
General Street Cleaning Services	\$ 19	\$ 21	10.5%	\$ 22	4.8%
Total	\$ 294	\$ 325	10.5%	\$ 338	4.0%

The key drivers of the proposed 2020 rate include:

- An increase in the budgeted price of the compressed natural gas required to run the City's collection trucks; and
- Higher pay-as-you-go capital costs, particularly for sanitation cameras and a sanitation operation management system (SOMS).

COUNCIL AUTHORITY/PREVIOUS DECISIONS

On October 17, 2012, Council approved implementation of a food scraps collection and composting program, including a switch to weekly collection of green bins (mixed yard trimmings and food scraps) and bi-weekly collection of garbage for single-family and duplex homes and the associated rate adjustments.

On November 19, 2013, Council approved entering into a contract with Multi-Material BC (MMBC) for city staff to continue providing recycling services to single and multi-family residences and receive the MMBC financial incentive for the services. The contract came into effect November 30, 2013, with service delivery and incentives starting in May of 2014.

On October 14, 2014, Council enacted by-law amendments requiring all holders of business licenses and owners and occupiers of residential and non-residential properties in Vancouver to have a food waste diversion plan and ensure that food waste is disposed of according to that plan. This change was enacted in order to comply with the Metro Vancouver ban on disposal of these materials at the landfill or incinerator, which came into effect on January 1, 2015.

On November 17, 2015, Council approved terminating the MMBC contract for single family curbside and multi-family collection, and turning over recycling collection to MMBC, as the agency responsible for recycling in the Province, no later than January 2, 2017. Council further directed staff to develop a plan to utilize the savings from the transition of recycling to support expansion of programs focussed on the overall cleanliness of the City.

On December 13, 2016, Council approved a general street cleaning service levy in order to remove leaves, litter, nuisance items such as needles, abandoned or illegally dumped waste and other discarded items in the streets and lanes in residential areas. The owner or occupier of a house, strata duplex, rowhouse, apartment or rental apartment must pay the applicable levy as set out in the by-law.

On April 23, 2019 Council approved an interim adjustment to the solid waste utility rate in order to cover increased costs of composting due to changes in regulatory requirements around facility operations and management.

Solid waste utility rates are set annually to recover the full cost of providing services. Rate increases require Council approval.

CITY MANAGER'S/GENERAL MANAGER'S COMMENTS

The City Manager recommends approval of the foregoing.

REPORT

Background/Context

The solid waste utility is responsible for the management of the City's solid waste collection, transfer and disposal system including long-term planning and delivery services. City staff provide all single-family and duplex homes in Vancouver with weekly collection of compostable organics and every other week collection of garbage. Organic materials are delivered to the Green For Life composting facility in Delta for processing. Garbage is delivered to the Vancouver South Transfer Station.

Multi-family and commercial establishments are served primarily by the private sector.

Prior to 2017, the City provided recycling collection services to both single family and multi-family residents. In October of 2016 the responsibility for residential recycling in the city was transferred to Recycle BC to provide collection services to single- and multi-family residences.

Multi-family and commercial facilities are also required to have programs in place for collection of organic materials and services are provided by the private sector.

The City owns and operates the Vancouver South Transfer Station on West Kent Avenue North, a Zero Waste Centre on Yukon Street, and the Vancouver Landfill and Recycling Depot located in Delta. These facilities are considered part of the regional solid waste system and they receive residential waste, commercial waste and recyclable materials from Vancouver and other communities in Metro Vancouver.

In addition to the utility fees which support the cost of managing residential waste generated in Vancouver, operation of the transfer station and the landfill are also supported by the tipping fees charged for non-Vancouver and commercial waste delivered to the sites. Tipping fees charged for disposal of garbage are set by Metro Vancouver.

Strategic Analysis

In late 2018 one of the major composting operations in the region closed due to ongoing odour problems and operational issues. Other facilities have been required to upgrade their air management and odour control systems and to fully enclose major parts of their operation. These requirements are regulatory in nature and result in significant increases in costs for the operators and these costs are being passed on to the facility users. In mid-2019 the City's was advised that due to changes in law and the associated costs to meet regulatory requirements the rate for composting increased from \$61 per tonne to \$100 per tonne. The cost associated with composting organics is being reviewed with the composting operator for 2020.

The key drivers of the proposed 2020 rate increases are issues that are generally beyond the direct control of the City.

1. *Increased costs for Compressed Natural Gas to run the City's collection fleet.*
Ongoing problems with CNG supply due to a fire in one of the Enbridge pipelines resulted in higher than expected rates for natural gas to run the City's collection fleet, which is powered entirely by natural gas.
2. *Additional costs for managing organics from Japanese Beetle restricted area.*
In 2018, the Canadian Food Inspection Agency designated an area of the City between Clarke Drive and Burrard Street north of 12th Avenue for restricted movement of soil and organic material due to an infestation of Japanese Beetles, which are an invasive species. These restrictions continued in 2019 and the restricted area was expanded. Part of the restrictions on the movement of material is related to the green bin program. In order to minimize the risk of spreading the beetle, Green bin material collected from the area needed to be delivered to the Metro Vancouver incinerator in Burnaby at a higher tipping fee than had it been delivered for composting.
3. *Tipping fee changes*
Metro sets the annual tipping fee and the City recovers the fees on metro's behalf since both the landfill and transfer station are considered part of the Metro Vancouver system.

Financial

2019 Budget Performance

Table 2 summarizes the operating budget and current forecast for Solid Waste Collection and Street Cleaning in 2019.

Table 2 – 2019 Budget Performance – Solid Waste Collection and Street Cleaning

Collections (\$ millions)	2019 Forecast	2019 Budget	\$ Variance	% Variance
Revenues				
Annual Flat Fees	\$ 35.0	\$ 32.9	\$ 2.1	6.4%
Total Revenues	\$ 35.0	\$ 32.9	\$ 2.1	6.4%
Expenses				
Garbage	\$ 9.2	\$ 8.6	\$ (0.6)	-6.9%
Garbage Disposal, at Cost	3.2	3.9	0.8	19.3%
Compostables	16.4	14.2	(2.2)	-15.7%
General Street Cleaning Service	6.2	6.3	0.0	0.4%
Total Expenses	\$ 35.0	\$ 32.9	\$ (2.0)	-6.2%
Operating Surplus / (Deficit)	0.1	(0.0)	0.1	
Transfer to / (from) Reserve	0.1	(0.0)	0.1	
Surplus/(Deficit)	\$ -	\$ -	\$ -	0.0%

*Tables may not sum due to rounding. The purpose of this table is to explain budget performance. Additional revenue is reported as positive and additional expenditures as negative.

Table 3 summarizes the operating budget and current forecast for the Landfill and Transfer Station in 2019.

Table 3 – 2019 Budget Performance – Landfill and Transfer Station

Disposal (\$ millions)	2019 Forecast	2019 Budget	\$ Variance	% Variance
Revenues				
Tipping Fees	\$ 36.5	\$ 40.6	\$ (4.1)	-10.2%
Metro and Delta (Surplus Payments) / Cost Recoveries	(3.5)	(1.4)	(2.1)	-143.8%
Other	1.5	1.8	(0.3)	-16.0%
Total Revenues	\$ 34.5	\$ 41.0	\$ (6.5)	-15.8%
Expenses				
Transfer Station	\$ 8.2	\$ 8.4	\$ 0.2	2.4%
Less Vancouver residents' prorata share	(1.9)	(2.0)	(0.1)	-7.1%
Landfill	23.7	31.1	7.4	23.9%
Less Vancouver residents' prorata share	(1.3)	(1.9)	(0.6)	-32.5%
Total Expenses	28.7	35.6	6.9	19.4%
Operating Surplus / (Deficit)	5.9	5.5	0.4	7.4%
Transfer to / (from) Reserve	5.9	5.5	0.4	7.4%
Surplus/(Deficit)	\$ -	\$ -	\$ -	0.0%

*Tables may not sum due to rounding. The purpose of this table is to explain budget performance. Additional revenue is reported as positive and additional expenditures as negative.

2019 Revenues

Collection revenues are forecasted to be higher than budget due to , a mid-year increase in green bin collection rates Tipping fee revenues are expected to be lower than budget due to lower than anticipated quantities of Vancouver commercial and demolition waste.

The City of Vancouver is responsible for remitting to Metro and Delta the difference between the tipping fee revenue associated with Metro- and Delta-source waste and the operating costs attributed to this waste. These “surplus payments” are offset by Vancouver’s retention of an amount equivalent to the number of Metro and Delta tonnes contributed multiplied by the average annual cost per tonne to process waste. The expected increase in surplus payments is the result of lower than average annual cost per tonne, primarily due to lower than anticipated pay-as-you-go capital projects, largely driven by a delay in construction of gas collection works and delays in upgrades to the existing compost facility at the Landfill.

2019 Expenditures and Transfers

Collection labour and equipment costs are also forecasted to be higher than budget, particularly since the price of the compressed natural gas required to run the City’s collection trucks has been higher than anticipated. The excess of collection revenue over collection expenses will be transferred at year-end to the Collection Stabilization Reserve.

Disposal expenses are forecasted to be lower than budget largely due to less than anticipated pay-as-you-go capital expenses related to the Landfill. Delta sewer fees are also forecasted to be lower than budget, due to less than anticipated rainfall. The excess of disposal revenue over disposal expenses will be transferred at year-end to the Solid Waste Capital Reserve, which is used to fund future closure and post-closure work.

2020 Proposed Budget and Rates

For a representative single-family residence, solid waste utility rates are proposed to increase by 4%% or \$13. The proposed 2020 budget, with the 2019 budget for comparison, is summarized in Table 4 and Table 5.

Table 4 – Proposed 2020 Budget – Solid Waste Collection and Street Cleaning

Collections (\$ millions)	2019 Forecast	2019 Budget	2020 Proposed	\$ Change from 2019 Budget	% Change
Revenues					
Annual Flat Fees	\$ 35.0	\$ 32.9	\$ 36.6	\$ 3.7	11.2%
Total Revenues	\$ 35.0	\$ 32.9	\$ 36.6	\$ 3.7	11.2%
Expenses					
Garbage	\$ 9.2	\$ 8.6	\$ 9.1	\$ 0.5	6.3%
Garbage Disposal, at Cost	3.2	3.9	4.6	0.7	18.6%
Green Bin	16.4	14.2	16.6	2.4	16.9%
General Street Cleaning Service	6.2	6.3	6.7	0.4	6.8%
Total Expenses	\$ 35.0	\$ 32.9	37.0	4.1	12.4%
Operating Surplus / (Deficit)	0.1	(0.0)	(0.4)	(0.4)	-2396.9%
Transfer to / (from) Reserve	0.1	(0.0)	(0.4)	(0.4)	-2396.9%
Surplus/(Deficit)	\$ -	\$ -	\$ -	\$ -	0.0%

**Tables may not sum due to rounding. The purpose of this table is to present year-over-year changes in the budget as presented in the 2020 Budget Book where both additional revenue and expenses are presented as positive changes.*

2020 Collection Revenues and Proposed Rates

A representative single-family household will see the following rate increases for 2020:

- \$5 increase for a 180 L garbage cart (from \$112 to \$117 per household);
- \$7 increase for a 240 L green bin cart (from \$192 to \$199 per household); and
- \$1 increase for a one-household general street cleaning levy (from \$21 to \$22 per household).

Utility rates for this representative single-family residence will increase by 4.0%. This increase, combined with the mid-2019 collection rate increase of 7.3%, results in a 11.6% increase to flat fee revenues, with a small difference due to rounding.

2020 Collection and Street Cleaning Expenses and Transfers

The \$4.1 million increase in collection and street cleaning expenses reflects the following significant changes:

- An increase in the budgeted price of the compressed natural gas required to run the City's collection trucks; and
- Higher pay-as-you-go capital costs, particularly for sanitation cameras and a sanitation operation management system (SOMS).

The effect of these higher costs will be moderated by a \$0.4 million draw from the Collection Stabilization Reserve.

Table 5 - Proposed 2020 Budget - Landfill and Transfer Station

Disposal (\$ millions)	2019 Forecast	2019 Budget	2020 Proposed	\$ Change from 2019 Budget	% Change
Revenues					
Tipping Fees	\$ 36.5	\$ 40.6	\$ 34.3	\$ (6.3)	-15.6%
Metro and Delta (Surplus Payments) / Cost Recoveries	(3.5)	(1.4)	5.5	6.9	482.8%
Other	1.5	1.8	1.4	(0.5)	-25.3%
Total Revenues	\$ 34.5	\$ 41.0	\$ 41.2	\$ 0.1	0.3%
Expenses					
Transfer Station	\$ 8.2	\$ 8.4	\$ 10.1	\$ 1.8	21.2%
Less Vancouver residents' prorata share	(1.9)	(2.0)	(2.6)	(0.6)	-29.8%
Landfill	23.7	31.1	32.8	1.7	5.4%
Less Vancouver residents' prorata share	(1.3)	(1.9)	(2.0)	(0.1)	-6.5%
Total Expenses	28.7	35.6	38.3	2.7	7.7%
Operating Surplus / (Deficit)	5.9	5.5	2.9	(2.6)	-47.6%
Transfer to / (from) Reserve	5.9	5.5	2.9	(2.6)	-47.6%
Surplus/(Deficit)	\$ -	\$ -	\$ 0.0	\$ -	0.0%

*Tables may not sum due to rounding. The purpose of this table is to present year-over-year changes in the budget as presented in the 2020 Budget Book where both additional revenue and expenses are presented as positive changes.

2020 Disposal Revenues

Total disposal revenue will increase by approximately \$0.1 million, from \$41 million in 2018 to \$41.2 million in 2019. Tipping fee revenue will decrease as a result of declining quantities of Vancouver commercial and demolition waste tipping fees.

Metro and Delta cost recoveries will increase by approximately \$6.9 million as result of an increase in disposal operating costs, of which these two parties pay a pro-rata share.

2020 Disposal Expenses and Transfers

Total disposal expenses will increase by approximately \$2.7 million. Transfer Station expenses will increase by \$1.8 million mainly due to the following factors:

- The start of repayment for an internal loan used to pay for facility improvements undertaken from 2012 to 2019; and
- Pay-as-you-go-funded structural repairs, which began in 2019.

Landfill expenses will increase by approximately \$1.7 million due to pay-as-you-go-funded capital investments in traffic planning and hydrogeological improvements. Approximately 7% of Landfill expenses and 27% of Transfer Station expenses are allocated to garbage collection. These percentages reflect the proportion of overall Landfill and Transfer Station tonnes contributed by Vancouver residents.

At the end of each year, the excess of disposal revenues over disposal expenses is transferred to the Solid Waste Capital Reserve, a dedicated reserve to pay for Landfill closure and post-closure costs. In 2020, this transfer is expected to be approximately \$2.9 million, a \$2.6 million decrease from the \$5.5 million planned for 2019.

Five Year Outlook

Table 6 summarizes the five-year outlook for the Solid Waste Utility.

Table 6 – Solid Waste Utility Five-Year Outlook

Solid Waste Utility	2020	2021	2022	2023	2024
City Rate Increase	4.0%	3.0%	2.0%	2.0%	1.9%
Revenues					
Collections	\$ 30.0	\$ 31.0	\$ 31.8	\$ 32.4	\$ 33.1
Street Cleaning	6.6	6.7	6.8	6.8	6.8
Disposal	41.2	44.2	57.3	62.2	73.2
Total Revenues	\$ 77.8	\$ 81.9	\$ 95.9	\$ 101.4	\$ 113.1
Expenses					
Collections	30.3	31.8	32.3	31.2	32.3
Street Cleaning	6.7	6.7	6.6	6.6	6.6
Transfer and Landfill	38.3	42.8	55.4	60.4	72.7
Total Expenses	75.3	81.3	94.3	98.3	111.7
Operating Surplus/(Deficit)	2.5	0.6	1.6	3.1	1.5
Transfers					
Transfer to/(from) Reserve (SWCR)	2.9	1.4	2.0	1.7	0.4
Transfer to/(from) Reserve (Collections)	(0.4)	(0.9)	(0.4)	1.4	1.0
Total Transfers	2.5	0.6	1.6	3.1	1.5
Total Expenses & Transfers	\$ 77.8	\$ 81.9	\$ 95.9	\$ 101.4	\$ 113.1

**Tables may not sum due to rounding; in the budget book some tipping fee revenue is grouped as "Other disposal revenue" and "Other department recoveries."*

Legal

The Solid Waste By-law requires amendments to address updated utility rates, as well as tipping fees to be charged at the City's transfer station and landfill in order to align with Metro Vancouver's Tipping Fee By-law. The impact of the change in fees is dependent on actual tonnage received.

Recommendation B in this report seeks approval for the Director of Legal Services to bring forward the By-law amendments necessary to address these updated utility rates and changes in tipping fees. Proposed tipping fee changes are provided in Appendix A and generally accommodate the following:

- Increasing the tipping fees for solid waste from:
 - \$142/tonne to \$147/tonne for loads less than 1 tonne,
 - \$120/tonne to \$125/tonne for loads between 1 and 9 tonnes,
 - \$90/tonne to \$99/tonne for loads greater than 9 tonnes, and
 - \$108/tonne to \$113/tonne for loads from local government;
- Aligning the tipping fee for wood waste at the transfer station with the tipping fee for clean wood waste since the former is no longer managed as solid waste;
- Increasing the tipping fees for wood waste, yard trimmings, and food waste from \$75 to \$80 per tonne to align with processing costs while encouraging waste diversion; and
- Increasing the landfill tipping fee for Delta Farm Waste from \$18 per load to \$19 per load

- for up to 3 tonnes per load and up to 5 loads per year;
- Changing the landfill burial fee for non-recyclable residuals from regional wastewater treatment plants from \$268 per load to \$280 per load.

Additional non-fee related amendments to the Solid Waste By-law, the Ticket Offences By-law, and the Street and Traffic By-law to improve the ability of staff to respond to enforcement issues include the following:

- Requiring secure locks on private containers which prevent access to the contents of the container;
- Clarifying legal authority for City staff to access a property for the purpose of inspecting refuse carts and containers;
- Increasing minimum fine amounts for most solid waste related infractions from \$100 to \$250 to better align with amounts issued by other departments within the City and to better reflect the level of effort required for addressing infractions to the point where they require the issuing of fines.

CONCLUSION

Staff recommend approval of the change in rates and the non-fee related amendments as outlined in this report and the associated bylaw changes.

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Appendix A
Solid Waste By-Law No. 8417
2020 Rate Changes

Schedule A	Flat Rate Collection Fees		
	2019	Proposed 2020	% Increase
<u>Garbage (Bi-weekly Collection)</u>			
Cans:			
Per stop	\$62	\$65	4.8%
Per can	\$28	\$29	3.6%
Cart Size:			
75 L	\$83	\$87	4.8%
120 L	\$96	\$100	4.2%
180 L	\$112	\$117	4.5%
240 L	\$129	\$135	4.7%
360 L	\$163	\$170	4.3%
<u>Garbage (Weekly Collection)</u>			
Cans:			
Per stop	\$82	\$85	3.7%
Per can	\$32	\$33	3.1%
Cart Size:			
75 L	\$106	\$110	3.8%
120 L	\$120	\$124	3.3%
180 L	\$139	\$144	3.6%
240 L	\$158	\$164	3.8%
360 L	\$196	\$203	3.6%
<u>Green Bin</u>			
Cart Size:			
120 L	\$143	\$147	2.8%
180 L	\$167	\$173	3.6%
240 L	\$192	\$199	3.6%
360 L	\$242	\$250	3.3%
<u>Recycling</u>			
Per cart	\$203	\$199	-2.0%
<u>General Street Cleaning Service</u>			
Per dwelling unit	\$21	\$22	4.8%

Appendix A
Solid Waste By-Law No. 8417
2020 Rate Changes

Schedule B		Disposal Fees		
		2019	Proposed 2020	% Increase
<u>Waste Discharge</u>				
Municipal solid waste (MSW) loads < 1 to per tonne		\$142	\$147	3.5%
MSW loads 1 - 9 tonnes	per tonne	\$120	\$125	4.2%
MSW loads > 9 tonnes	per tonne	\$90	\$99	10.0%
MSW - local governments	per tonne	\$108	\$113	4.6%
MSW transaction fee	per transaction	\$5	\$5	0.0%
Asbestos - residential	per tonne	\$200	\$200	0.0%
Asbestos - commercial	per tonne	\$250	\$250	0.0%
Nuisance waste	per tonne	\$250	\$250	0.0%
Demo	per tonne	\$90	\$90	0.0%
Demo hog	per tonne	\$45	\$45	0.0%
Burial charge	per burial	\$268	\$280	4.5%
Delta farm waste (MSW, yard trimmings,	per load, up to 3 tonnes	\$18	\$19	5.6%
	5 loads per year			
Crushed asphalt and concrete	per tonne	\$3	\$3	0.0%
<u>Surcharge Rates</u>				
Banned product stewardship surcharge	per load	\$65	\$65	0.0%
Banned hazardous & operational impact n	per loads	\$65	\$65	0.0%
Banned recyclable materials surcharge	per tonne	MSW + 50%	MSW + 50%	0.0%
Unsecured load	per tonne	MSW + 50%	MSW + 50%	0.0%
<u>Waste Diversion</u>				
Yard trimmings	per tonne	\$75	\$80	6.7%
Wood waste	per tonne	\$75	\$80	6.7%
Food waste	per tonne	\$75	\$80	6.7%
New Drywall	per tonne	\$150	\$150	0.0%
Used Residential Drywall	per tonne	\$200	\$200	0.0%
Drywall transaction fee	per transaction	\$5	\$5	0.0%
Mattresses	per piece	\$15	\$15	0.0%
<u>Goods for Sale</u>				
Compost	per m3	\$8	\$8	0.0%
	minimum fee	\$5	\$5	0.0%
Compost (Delta farmers)	per cubic metre	\$1	\$1	0.0%
* MSW = municipal solid waste				

**DRAFT By-law to amend
Solid Waste By-law No. 8417
regarding 2020 fee increases and miscellaneous amendments**

Note: A By-law will be prepared generally in accordance with the provisions listed below, subject to change and refinement prior to posting.

1. This By-law amends the indicated provisions of Solid Waste By-law No. 8417.
2. In section 7.2, Council adds a new subsection (3) as follows:

“(3) The City Engineer may enter onto any real property at any reasonable time for the purposes of inspecting garbage cans, garbage carts, green carts, leaf cans, blue box recycling containers, and recycling carts.”.
3. In section 9.2A(1)(g), Council strikes out “and maintain the lock in working order” and substitutes “maintained in working order and capable of preventing access to any contents within the container”.
4. Council strikes out Schedules A and B and substitutes Schedules A and B attached to this By-law.

SCHEDULE A

RATES FOR LANDFILL AND TRANSFER STATION

I. Drop-off Rates

The following rates apply to solid waste, yard waste, food waste, wood waste, and new gypsum (drywall) dropped off at the Vancouver Landfill (5400 72nd Street, City of Delta) and the Vancouver South Transfer Station (377 West Kent Avenue North, Vancouver).

Solid waste, yard waste, food waste, wood waste, and new gypsum (drywall)

Type of Waste	Rate	Peak hours minimum charge (from 10:00 a.m. to 2:00 p.m. Monday to Friday, excluding Statutory Holidays)	Non peak hours minimum charge (other than from 10:00 a.m. to 2:00 p.m. Monday to Friday)
Solid waste, other than municipal garbage	\$147/tonne for 0 to 0.99 tonnes to a maximum of \$120 per load \$125/tonne for 1.00 to 8.99 tonnes to a maximum of \$810 per load \$99/tonne for 9.00 or more tonnes	\$20	\$10
Municipal garbage	\$113/tonne	\$20	\$10
Yard waste, food waste and wood waste	\$80/tonne	\$10	\$10
New gypsum (drywall), at the Transfer Station	\$5 for up to ½ a sheet (4'x4')	\$5	\$5
New gypsum (drywall), at the Landfill	\$150/tonne for up to 0.5 tonne	\$10	\$10

All charge rates based on weight are determined by rounding the weight of a load up to the nearest 0.01 tonnes.

All non-account charge rates are rounded to the nearest dollar.

Mattresses deposited for recycling \$15 per piece

Where any portion of a load consists of recyclable materials which are deposited separately for recycling, and for which there is no drop off rate, for that portion.....No Charge

A load that contains any combination of materials subject to different disposal rates and the customer chooses not to weigh-out after dropping off each material, the entire load will be subject to the highest rate payable for any part of the load.

The following rates apply to solid waste dropped off at the Vancouver Landfill (5400 72nd Street, City of Delta).

Residential used gypsum (drywall)\$200 per tonne
(\$10 minimum)

Solid waste from Delta Farms that contains less than 5% by weight or by volume of materials listed in Schedule F, and does not contain any materials listed in Schedules E and G \$19 per load for up to 3 tonnes, for up to 5 loads per year

Special handle waste (nuisance waste) requiring burial, as determined by the City Engineer\$250 per tonne
(\$50 minimum)

Burial fee for non-recyclable residuals from regional wastewater treatment plants, in addition to the Burns Bog Rate as defined by the Burns Bog Landfill Agreement between Greater Vancouver Sewerage and Drainage District, City of Vancouver and The City of Delta\$280 per load

Demolition materials meeting the City Engineer's specifications for road and infrastructure construction arriving in loads that are greater than 50 cubic metres in volume\$90 per tonne

Demolition hog materials meeting the City Engineer's specifications for course demolition hog for surfacing tipping pads and temporary access roads.....\$45 per tonne

Demolition hog materials meeting the City Engineer's specifications for regular (fine) demolition hog for surfacing tipping pads and temporary access roads.....\$10 per tonne

Crushed asphalt and concrete meeting the City Engineer's specifications\$3 per tonne

Residential asbestos waste.....\$200 per tonne
(\$10 minimum)

All other asbestos waste\$250 per tonne
(\$50 minimum)

II. Surcharge Rates

Where any solid waste load disposed of at the Vancouver Landfill or the Vancouver South Transfer Station contains 5% or more by weight or by volume of materials listed in Schedule F, a 50% surcharge will be applied to the load.

The surcharge rates above will be waived for loads of special handle waste received at the

Vancouver Landfill.

Where any solid waste load disposed of at the Vancouver Landfill or the Vancouver South Transfer Station contains one or more materials listed in Schedules E and G, a \$65.00 surcharge will be applied to the load plus removal and remediation costs where applicable.

Where any load of solid waste, yard waste, clean wood waste, wood waste and/or recyclable materials is not secured as per the requirements of the *Motor Vehicle Act*, a 50% surcharge shall be applied to the load to a maximum surcharge value of \$50.

Where a single load is subject to multiple surcharges, the surcharge with the highest value will apply for the weight of the entire load.

III. Compost Rates

The following rates apply to the sale of compost produced from yard waste at the Vancouver Landfill Composting Facility at 5400 72nd Street in the City of Delta.

Compost rate \$8 per cubic meter
(\$5 minimum)

Compost rate, for Delta Farmers \$1 per cubic meter

IV. Transaction fee

In addition to all other charges, a \$5 fee is imposed on all Solid Waste transactions, including mixed loads, nuisance waste loads, asbestos waste loads, and new and residential used gypsum (drywall).

SCHEDULE B

RATES FOR COLLECTION SERVICES

I. Garbage Cart Collection Service

A. Residential Property

The following allocation applies to residential properties:

Number of Dwelling Units	Minimum Allocated Garbage Volume (per collection period)	Minimum Allocated Garbage Carts (per collection period)
1 unit	50 litres	75 litre
2 units	100 litres	120 litre
3 units	150 litres	180 litre
4 units	200 litres	240 litre
5 units	250 litres	360 litre
6 units	300 litres	360 litre
7 units	350 litres	360 litre
8 units	400 litres	240 litre, 180 litre
9 units	450 litres	240 litre, 240 litre
10 units	500 litres	360 litre, 180 litre
11 units	550 litres	360 litre, 240 litre
12 units	600 litres	360 litre, 240 litre
13 units	650 litres	360 litre, 360 litre
14 units	700 litres	360 litre, 360 litre
15 units	750 litres	360 litre, 240 litre, 180 litre
16 units	800 litres	360 litre, 240 litre, 240 litre
16 units	800 litres	360 litre, 240 litre, 240 litre
17 units	850 litres	360 litre, 360 litre, 180 litre
18 units	900 litres	360 litre, 360 litre, 180 litre
19 units	950 litres	360 litre, 360 litre, 240 litre
20 units	1000 litres	360 litre, 360 litre, 360 litre
21 units	1050 litres	360 litre, 360 litre, 360 litre

B. Garbage Cart Rates

For those properties which receive garbage cart collection service under Part IV – Garbage Service, per calendar year, the following rates are payable concurrently with each year’s real property taxes:

Garbage Cart Size	Biweekly Collection Rate	Weekly Collection Rate
75 litres	\$87	\$110
120 litres	\$101	\$125
180 litres	\$118	\$145
240 litres	\$136	\$165
360 litres	\$171	\$204

II. Garbage Can Collection Service

A. Residential Property

The following allocation applies to residential properties:

Number of Dwelling Units	Allocated Garbage (per collection period)
1 unit	2 garbage cans
2 units	2 garbage cans
3 units	3 garbage cans
4 units	3 garbage cans
5 units	4 garbage cans
6 units	4 garbage cans
7 units	5 garbage cans
8 units	5 garbage cans
9 units	6 garbage cans
10 units	6 garbage cans
11 units	7 garbage cans
12 units	7 garbage cans
13 units	8 garbage cans
14 units	8 garbage cans
15 units	9 garbage cans
16 units	9 garbage cans
17 or more units	10 garbage cans

B. Garbage Can Rates

For those properties which receive garbage can collection service under Part IV Garbage Service, per calendar year, the following rates are payable concurrently with each year's real property taxes:

biweekly collection	\$65.00
weekly collection	\$86.00

except for rowhouses which have one or more common collection points, at locations agreed to by the City Engineer, for each collection point where service is provided the following rates are payable:

biweekly collection	\$65.00
weekly collection	\$86.00

plus for each garbage can allocated or purchased, per calendar year, the following rates are payable concurrently with each years real property taxes:

biweekly collection	\$29.00
weekly collection	\$33.00

III. Miscellaneous Service

A. City Sticker Service

Each additional garbage bag with a city sticker affixed to the contents\$2.00

B. Purchase of Additional Garbage Service

Each property owner will be allowed one change per calendar year in the level of service under sections 4.1, 4.2 and 4.3 at no charge. A fee of \$25.00 will be charged for each additional change in that calendar year.

IV. Recycling Collection Service

A. Basic Recycling Rates

For those properties which receive recycling collection service under Part V - Recycling Service, except for seniors licensed care and group homes, per calendar year, the following rates are payable concurrently with each year's real property taxes.....\$206.00 per recycling cart

For seniors licensed care and group homes which receive recycling collection service under Part V - Recycling Service, per calendar year, the following rates are payable concurrently with each year's real property taxes\$67.00 per recycling cart

B. Additional Storage Charges

For those properties which store recycling carts or PPP carts on streets or lanes\$205.00 per cart

V. Green Cart Collection Service

A. Green Cart Rates

For properties which receive green cart collection service under **PART VI – GREEN CART SERVICE**, per calendar year, the following rates are payable concurrently with each year's property taxes

Size of green cart	Rate
120 litres	\$152
180 litres	\$179
240 litres	\$206
360 litres	\$259

B. Purchase of Additional Green Cart Service

Each property owner will be allowed one change per calendar year in the level of service under this By-law, without charge. A fee of \$25.00 will be charged for any additional change in that calendar year.

VI. Street Cleaning Services Levy

For each dwelling unit \$23.00

**DRAFT By-law to amend the
Ticket Offences By-law No. 9360
Regarding Solid Waste By-law Offences**

Note: A By-law will be prepared generally in accordance with the provisions listed below, subject to change and refinement prior to posting.

1. This By-law amends the indicated provisions of Ticket Offences By-law No. 9360.
2. Council strikes out Table 5.2 and substitutes the following Table 5.2:

"Table 5.2
Street and Traffic By-law

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
City Engineer or Police Officer	Place or allow container to be placed on street	s. 71J(1)	\$250.00
	Failure to remove snow or ice from sidewalk	s. 76	\$250.00
	Deposit refuse on street	s. 84(1)	\$250.00
	Vehicle used to deposit refuse on street	s. 84(2)	\$250.00
	Fail to clean spilled load	s. 99(1)(b)	\$500.00
	Load not secured	s. 99(2)(a)	\$500.00

3. Council strikes out Table 9 and substitutes the following Table 9:

"Table 9
Solid Waste By-Law

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
City Engineer or Chief License Inspector	Garbage cart cannot close	s. 4.2(5)(e)	\$250.00
	Garbage cart overflow	s. 4.2(5)(g)	\$250.00
	Dispose of garbage in unauthorized cart	s. 4.2(5)(i)	\$250.00
	Non-recyclables in public receptacle	s. 5.9	\$250.00
	No recycling program (non-residence)	s. 5.12(1)	\$250.00

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
	Dispose contrary to recycling program (non-residence)	s. 5.12(2)	\$250.00
	No recycling program (residence)	s. 5.13(1)	\$250.00
	Dispose contrary to recycling program (residence)	s. 5.13(2)	\$250.00
	Fail to provide recycling plan	s. 5.14(1)	\$250.00
	Non-compliant recycling plan	s. 5.14(2)	\$250.00
	Non organics in green cart	s. 6.6(b)	\$250.00
	Green cart cannot close	s. 6.6(f)	\$250.00
	No organic plan (non-residence)	s. 6.7A.1(1)	\$250.00
	Dispose contrary to organic plan (non-residence)	s. 6.7A.1(2)	\$250.00
	No organic plan (residence)	s. 6.7A.2(1)	\$250.00
	Dispose contrary to plan (residence)	s. 6.7A.2(2)	\$250.00
	Fail to provide organics plan	s. 6.7A.3(1)	\$250.00
	Non-compliant organics plan	s. 6.7A.3(2)	\$250.00
	Prohibited material in garbage	s. 7.4	\$250.00
	Garbage in public receptacle	s. 8.8	\$250.00
	Waste in public receptacle	s. 8.9	\$250.00
	Unlawful waste in private container	s. 9.1(1)	\$250.00
	Container unclean	s. 9.1(2)(a)	\$250.00
	Container overflow	s. 9.1(2)(b)	\$250.00
	Container unlocked	s. 9.1(2)(c)	\$250.00
	Fail to display address	s. 9.1(2)(d)	\$250.00
	Container leak	s. 9.2A (1)(a)	\$250.00

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
	Rain or pests in container	s. 9.2A (1)(b)	\$250.00
	Container not in good condition	s. 9.2A (1)(c)	\$250.00
	Fail to keep container clean	s. 9.2A (1)(d)	\$250.00
	Fail to display name	s. 9.2A (1)(e)	\$250.00
	Fail to display address	s. 9.2A (1)(f)	\$250.00
	Fail to provide secure lock	s. 9.2A(1)(g)	\$250.00
	Collection vehicle leaking	s. 9.2A(2)	\$250.00
	Unlicensed container on street	s. 9.2A(5)	\$250.00
	Fail to obey order	s. 11.2	\$500.00

"

**DRAFT By-law to amend Street and Traffic By-law No. 2849
Regarding a 2020 fine increase**

Note: A By-law will be prepared generally in accordance with the provisions listed below, subject to change and refinement prior to posting.

1. This By-law amends the indicated provisions of the Street and Traffic By-law.
2. In section 103(9), Council strikes out “a minimum fine of \$100.00 and”.
