



## ADMINISTRATIVE REPORT

Report Date: November 27, 2018  
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Meeting Date: December 11, 2018

TO: Vancouver City Council  
FROM: General Manager of Engineering Services  
SUBJECT: 2019 Solid Waste Utility (SWU) Fees & By-law Changes

### **RECOMMENDATION**

- A. THAT Council approve, in principle, the proposed amendments to the Solid Waste Utility (SWU) By-law, generally as set out in this report and in Appendix A, including the establishment of the 2019 rates and fees.
- B. THAT Council instruct the Director of Legal Services to bring forward for enactment amendments to the Solid Waste by-laws to adjust rates and fees and make other miscellaneous related amendments generally in accordance with this report and Appendix B.

### **REPORT SUMMARY**

Each year, the SWU provides a report that describes the Utility's progress in meeting its strategic objectives, 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 2019 cover the cost of garbage and green bin collection and include a contribution to the general street cleaning services provided by the City. The Utility rate also includes the cost of transfer and disposal of Vancouver residential waste at the Vancouver Landfill, as well as transfer and composting of material collected through the green bin program. The contribution to support general street cleaning programs covers portions of the cost for 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 2019. Staff are proposing a combined rate increase of 3.1% for a representative single-family residence.

**Table 1 – 2019 Collection Fees for a Representative Single Family Home**

Utility Rates	2017	2018	% Increase	2019 Proposed	% Increase
180 L Garbage Cart	\$ 102	\$ 114	11.8%	\$ 112	-1.8%
240 L Green Bin Cart	\$ 150	\$ 161	7.3%	\$ 170	5.6%
<b>Subtotal</b>	<b>\$ 252</b>	<b>\$ 275</b>	<b>9.1%</b>	<b>\$ 282</b>	<b>2.5%</b>
General Street Cleaning Services	\$ 19	\$ 19	0.0%	\$ 21	10.5%
<b>Total</b>	<b>\$ 271</b>	<b>\$ 294</b>	<b>8.5%</b>	<b>\$ 303</b>	<b>3.1%</b>

The key drivers of the proposed 2019 rate include:

- An increase in the contracted cost of composting organics;
- Increasing fees from Delta and Metro Vancouver for transporting and treating run off from the landfill;
- The introduction of a pay-as-you-go funding approach for 2019 capital expenditures for construction of gas control infrastructure at the landfill rather than debt financing;
- Increases to the tipping fees for garbage that are set by Metro Vancouver; and
- An alignment between garbage rates and green bin rates to reflect higher volumes of green bin material collected compared to garbage and the associated level of effort for each (~51,000 tonnes of green bin material vs ~34,000 tonnes of garbage).

### **COUNCIL AUTHORITY/PREVIOUS DECISIONS**

On October 17, 2012, Council approved implementation of foods scraps collection and composting 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.

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 General Manager of Engineering Services recommends approval of recommendations A and B above.

### **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 provides 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***

The key drivers of the proposed 2019 rate are primarily due to several issues beyond the direct control of the City.

- 1. Increase in the cost of composting organics***

Composting facilities throughout the region are being faced with increased requirements to manage odour and eliminate public nuisance. They are faced with significant increases in costs to enclose open areas of their facilities and put in the appropriate odour management and air control systems. These costs are being passed on to the

facility users. In mid-2018 the City's costs for composting increased from \$40 per tonne to \$61 per tonne. The 2019 increase represents the full annual costs of this change.

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. 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. *Increasing fees from Delta and Metro Vancouver for treating run off from the landfill*

Rainfall that lands on the landfill is treated as contaminated runoff due to the potential for it to come into contact with garbage. This runoff water is collected and delivered through a forcemain owned by the City of Delta to the Annacis Island Waste Water Treatment Plant, which is owned and operated by Metro Vancouver. Delta charges a fee for transmission of the water and Metro charges a fee for treatment. These fees are increasing due to increased runoff as more sections of the landfill are closed.

4. *Introduction of a pay-as-you-go funding*

In previous years, the development of non-closure infrastructure around the landfill has been funded through internal loans. The development of this infrastructure, which includes gas and leachate collections systems, will be funded annually as it is constructed through the tipping fees charged at the site. The costs are then funded by all site users, rather than the City incurring debt.

5. *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.

6. *Internal realignment of costs*

There is a shift in costs from the City's garbage collection to green bin collection to properly align fees. The tipping fees for composting and the volume of green bin materials collected have increased in comparison to garbage.

## Financial Implications

### 2018 Budget Performance

Table 2 summarizes the operating budget and current forecast for Solid Waste Collection and Street Cleaning in 2018.

**Table 2 – 2018 Budget Performance – Solid Waste Collection and Street Cleaning**

Collections (\$ millions)	2018 Forecast	2018 Budget	\$ Variance	% Variance
<b>Revenues</b>				
Annual Flat Fees	\$ 31.6	\$ 31.4	\$ 0.2	0.8%
<b>Total Revenues</b>	<b>\$ 31.6</b>	<b>\$ 31.4</b>	<b>\$ 0.2</b>	<b>0.8%</b>
<b>Expenses</b>				
Garbage	\$ 8.7	\$ 8.1	\$ (0.6)	-7.3%
Garbage Disposal, at Cost	4.1	4.0	(0.1)	-3.7%
Compostables	14.3	14.0	(0.4)	-2.6%
General Street Cleaning Service	5.3	5.3	(0.0)	0.0%
<b>Total Expenses</b>	<b>\$ 32.5</b>	<b>\$ 31.4</b>	<b>\$ (1.1)</b>	<b>-3.6%</b>
<b>Operating Surplus / (Deficit)</b>	<b>(0.9)</b>	<b>0.0</b>	<b>(0.9)</b>	
<b>Transfer to / (from) Reserve</b>	<b>(0.9)</b>	<b>0.0</b>	<b>(0.9)</b>	
<b>Surplus/(Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

*\*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 2018.

**Table 3 – 2018 Budget Performance – Landfill and Transfer Station**

Disposal (\$ millions)	2018 Forecast	2018 Budget	\$ Variance	% Variance
<b>Revenues</b>				
Tipping Fees	\$ 37.2	\$ 39.0	\$ (1.8)	-4.7%
Metro and Delta (Surplus Payments) / Cost Recoveries	0.1	(5.6)	5.7	101.4%
Other	1.5	1.5	-	0.0%
<b>Total Revenues</b>	<b>\$ 38.8</b>	<b>\$ 35.0</b>	<b>\$ 3.8</b>	<b>10.9%</b>
<b>Expenses</b>				
Transfer Station	8.8	9.0	0.1	1.4%
Less Vancouver residents' prorata share	(2.2)	(2.3)	(0.1)	-4.5%
Landfill	29.1	23.6	(5.5)	-23.2%
Less Vancouver residents' prorata share	(1.9)	(1.6)	0.3	15.4%
<b>Total Expenses</b>	<b>33.9</b>	<b>28.7</b>	<b>(5.2)</b>	<b>-18.2%</b>
<b>Operating Surplus / (Deficit)</b>	<b>4.9</b>	<b>6.3</b>	<b>(1.4)</b>	<b>-21.9%</b>
<b>Transfer to / (from) Reserve</b>	<b>4.9</b>	<b>6.3</b>	<b>(1.4)</b>	<b>-21.9%</b>
<b>Surplus/(Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

*\*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.*

### 2018 Revenues

Collections revenues are forecasted to be higher than budget for 2018 due to an increased customer base.

Tipping fees are expected to be lower than budget due to lower than anticipated quantities of Vancouver commercial and demolition waste being received. Metro and Delta cost recoveries are expected to be higher due to increased Landfill operating expenses.

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. The expected decrease in these “surplus payments” is the result of an increase in disposal operating costs.

### 2018 Expenditures and Transfers

The forecasted overspending on collections is due to labour costs required to maintain service levels. Labour is a key cost driver of the collections operations. City crews perform garbage and green bin collection services from all single family and approximately 1,300 multi-family buildings. This overage for 2018 will be offset by drawing from the Collections Stabilization Reserve.

The forecasted overspending on the Landfill in 2018 is largely due to the following factors:

- A change in funding strategy for gas control costs to pay-as-you-go from loans;
- An underground fire that occurred at the Landfill; and
- Higher than expected runoff and a resulting increase in sewer fees from Delta, and Metro wastewater treatment fees to deal with the extra volumes of water needing treatment.

Surplus disposal revenue is transferred to the Solid Waste Capital Reserve, which is used to fund future closure work at the landfill; surplus collections revenue, if applicable, would be transferred to the Collections Stabilization Reserve, which is used to moderate yearly increases seen by rate payers.

### **2019 Proposed Budget and Rates**

For a representative single-family residence, solid waste utility rates will increase by 3.1% or \$9. This increase is necessary due to:

- An increase in contracted costs for receiving and processing green bin organics mid-way through 2018, which means that the full effect of the rate increase will be registered in 2019;
- A reduction in rates for garbage and an increase in rates for green bin to align with service needs in each area; and
- 2019 capital expenditures being funded on a pay-as-you-go nature. These projects include routine gas control, enclosures for streetscape recycling and disposal receptacles, and upgrades to the Landfill's composting facility.

The 2019 proposed budget is summarized in Table 4 and Table 5 with the 2018 budget for comparison.

**Table 4 – Proposed 2019 Budget – Solid Waste Collection and Street Cleaning**

Collections (\$ millions)	2018 Budget	2019 Proposed	\$ Change from 2018	% Change
<b>Revenues</b>				
Annual Flat Fees	\$ 31.4	\$ 32.9	\$ 1.5	4.9%
<b>Total Revenues</b>	<b>\$ 31.4</b>	<b>\$ 32.9</b>	<b>\$ 1.5</b>	<b>4.9%</b>
<b>Expenses</b>				
Garbage	\$ 8.2	\$ 8.1	\$ (0.1)	-0.9%
Garbage Disposal, at Cost	4.0	3.9	(0.1)	-1.5%
Green Bin	14.0	14.7	0.7	5.0%
General Street Cleaning Service	5.3	6.3	1.0	18.6%
<b>Total Expenses</b>	<b>\$ 31.4</b>	<b>32.9</b>	<b>1.5</b>	<b>4.9%</b>
<b>Operating Surplus / (Deficit)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.0%</b>
<b>Transfer to / (from) Reserve</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.0%</b>
<b>Surplus/(Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

*\*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 2019 Budget Book where both additional revenue and expenses are presented as positive changes.*

#### 2019 Collections Revenues and Proposed Rates

The collections side of the Solid Waste Utility operates on a cost-recovery basis; therefore, budgeted revenue increases directly reflect budgeted expense increases.

These revenue changes translate into the following rate increases for services provided to a representative single-family residence:

- \$2 decrease for a 180 L garbage cart (from \$114 to \$112 per household);
- \$9 increase for a 240 L green bin cart (from \$161 to \$170 per household); and
- \$2 increase for a one-household general street cleaning levy (from \$19 to \$21 per household).

Utility rates for this representative single-family residence will increase by 3.1%. This increase, combined with the increased number of households paying for these services, results in a 4.9% increase to flat fee revenues.

#### 2019 Collections Expenses and Transfers

The \$1.5 million increase in Solid Waste Collection and Street Cleaning expenses over 2018 is made up of the following significant items:

- Disposal cost increases due to capital expenses being paid for on a pay-as-you-go basis. Partially offset by a reduction of budgeted maintenance costs for large equipment used at the Landfill.
- Costs for new bins and enclosures for street-side garbage and recycling receptacles.

- The full effect of a mid-2018 increase in contracted costs for receiving and processing green bin organics.
- A reallocation of equipment costs associated with garbage collection to green bin collection. This results in a decrease to garbage rates, being offset by an increase to green bin rates.

The collections side of the Solid Waste Utility operates on a cost-recovery basis.

**Table 5 - Proposed 2019 Budget - Landfill and Transfer Station**

Disposal (\$ millions)	2018 Budget	2019 Proposed	\$ Change from 2018 Budget	% Change
<b>Revenues</b>				
Tipping Fees	\$ 39.0	\$ 40.6	\$ 1.6	4.1%
Metro and Delta (Surplus Payments) / Cost Recoveries	(5.6)	(1.4)	4.1	74.2%
Other	1.5	1.8	0.3	21.3%
<b>Total Revenues</b>	<b>\$ 35.0</b>	<b>\$ 41.0</b>	<b>\$ 6.1</b>	<b>17.3%</b>
<b>Expenses</b>				
Transfer Station	\$ 9.0	\$ 8.4	\$ (0.6)	-6.9%
Less Vancouver residents' prorata share	(2.3)	(2.0)	0.3	12.6%
Landfill	23.6	31.1	7.5	31.6%
Less Vancouver residents' prorata share	(1.6)	(1.9)	(0.2)	-14.2%
<b>Total Expenses</b>	<b>28.7</b>	<b>35.6</b>	<b>6.9</b>	<b>24.2%</b>
<b>Operating Surplus / (Deficit)</b>	<b>6.3</b>	<b>5.5</b>	<b>(0.9)</b>	<b>-13.5%</b>
<b>Transfer to / (from) Reserve</b>	<b>6.3</b>	<b>5.5</b>	<b>(0.9)</b>	<b>-13.5%</b>
<b>Surplus/(Deficit)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>0.0%</b>

*\*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 2019 Budget Book where both additional revenue and expenses are presented as positive changes.*

### 2019 Disposal Revenues

Total disposal revenue will increase by approximately \$6 million, from \$35 million in 2018 to \$41 million in 2019. Tipping fee revenue will increase as a result of tipping fees being increased to align with those charged by Metro. Tipping fees for regular solid waste loads are scheduled to increase by \$5 per tonne (4.0%) and \$8 per tonne (10.0%) for large loads (greater than 9 tonnes). These revenue increases will be partially offset by an expected reduction in volumes of Vancouver commercial waste in 2019; such volumes have been falling slowly over time.

Metro and Delta surplus payments will decrease by approximately \$4.1 million as result of an increase in disposal operating costs, for which they pay a pro-rata share.

### 2019 Disposal Expenses and Transfers

Total disposal expenses will increase by approximately \$6.9 million, resulting primarily from the following:

- Investments in routine gas control on a pay as you go basis;
- Upgrades to the Landfill's existing leaf and yard waste compost facility;
- Increases in Delta sewer and Metro wastewater treatment fees; and
- Offset by decreased equipment maintenance costs at the Transfer station and landfill.

Approximately 7.0% of Landfill expenses and 27.0% of Transfer Station expenses are allocated to garbage collection according to 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 2019, this transfer is expected to be approximately \$5.5 million, a \$0.9 million decrease from the \$6.3 million planned for 2018.

### 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	2019	2020	2021	2022	2023
City Rate Increase	3.1%	3.0%	2.9%	2.5%	2.4%
<b>Revenues</b>					
Collections	\$ 26.7	\$ 27.4	\$ 28.3	\$ 29.1	\$ 29.9
Street Cleaning	6.3	6.5	6.4	6.4	6.4
Disposal	41.0	44.2	47.0	47.6	50.3
<b>Total Revenues</b>	<b>\$ 74.0</b>	<b>\$ 78.0</b>	<b>\$ 81.7</b>	<b>\$ 83.1</b>	<b>\$ 86.6</b>
<b>Expenses</b>					
Collections	26.7	28.6	29.4	29.1	29.3
Street Cleaning	6.3	6.5	6.4	6.4	6.4
Transfer and Landfill	35.6	39.0	42.6	42.8	45.7
<b>Total Expenses</b>	<b>68.5</b>	<b>74.0</b>	<b>78.4</b>	<b>78.3</b>	<b>81.4</b>
<b>Operating Surplus/(Deficit)</b>	<b>5.5</b>	<b>4.0</b>	<b>3.3</b>	<b>4.9</b>	<b>5.2</b>
<b>Transfers</b>					
Transfer to/(from) Reserve (SWCR)	5.5	5.3	4.4	4.9	4.6
Transfer to/(from) Reserve (Collections)	-	(1.3)	(1.1)	-	0.6
<b>Total Transfers</b>	<b>5.5</b>	<b>4.0</b>	<b>3.3</b>	<b>4.9</b>	<b>5.2</b>
<b>Total Expenses &amp; Transfers</b>	<b>\$ -</b>				

*\*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 those 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 by
  - 4.0% for loads less than 1 tonne, and between 1 and 9 tonnes,
  - 10.0% for loads greater than 9 tonnes, and
  - 5.0% for loads from local government;
- Increasing the tipping fees for clean wood (Transfer Station), wood waste (Landfill), yard trimmings, and food waste from \$70 to \$75 per tonne to align with processing costs while encouraging waste diversion;
- Changing the burial fee for non-recyclable residuals from regional wastewater treatment plants from \$135 per tonne to \$268 per load;
- Increasing the tipping fee for asphalt and concrete to \$3 per tonne to support costs for crushing; and
- Changing the unit of measure for compost purchase from \$16 per tonne to \$8 per cubic meter.

Additional non-fee related amendments to align with regional disposal restrictions and municipal naming include the following:

- Adding expanded polystyrene to list of recyclables, and removing specific fees and policies related to expanded polystyrene;
- Adding composite paper products to list of recyclables and changing the definition of recyclable paper;
- Clarifying list of Product Stewardship Materials to include paint containers;
- Removing reference to the acceptance of residential used gypsum (drywall) at the Landfill only;
- Aligning with new name for "City of Delta"; and
- Clarifying language for disposal of hazardous and operational impact materials banned from disposal at the Vancouver Landfill and Transfer Station.

## **CONCLUSION**

Staff recommends approval of the change in rates as outlined in this report and the associated bylaw changes.

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Appendix A  
Solid Waste By-Law No. 8417  
2019 Rate Changes

Schedule A	Flat Rate Collection Fees		
	2018	Proposed 2019	% Increase
<u>Garbage (Bi-weekly Collection)</u>			
Cans:			
Per stop	\$62	\$62	-0.3%
Per can	\$29	\$28	-3.0%
Cart Size:			
75 L	\$84	\$83	-1.3%
120 L	\$96	\$96	-0.4%
180 L	\$114	\$112	-1.3%
240 L	\$131	\$129	-1.3%
360 L	\$165	\$163	-1.1%
<u>Garbage (Weekly Collection)</u>			
Cans:			
Per stop	\$84	\$82	-2.1%
Per can	\$32	\$32	-1.1%
Cart Size:			
75 L	\$108	\$106	-1.9%
120 L	\$122	\$120	-1.5%
180 L	\$141	\$139	-1.3%
240 L	\$160	\$158	-1.1%
360 L	\$198	\$196	-0.9%
<u>Green Bin</u>			
Cart Size:			
120 L	\$119	\$126	5.9%
180 L	\$140	\$148	5.7%
240 L	\$161	\$170	5.6%
360 L	\$203	\$214	5.4%
<u>Recycling</u>			
Per cart	\$203	\$203	0.0%
<u>General Street Cleaning Service</u>			
Per dwelling unit	\$19	\$21	15.4%

**Appendix A**  
**Solid Waste By-Law No. 8417**  
**2019 Rate Changes**

Schedule B	Disposal Fees	Proposed		
		2018	2019	% Increase
<u>Waste Discharge</u>				
Municipal solid waste (MSW) loads < 1 tonne	per tonne	\$137	\$142	3.6%
MSW loads 1 - 9 tonnes	per tonne	\$115	\$120	4.3%
MSW loads > 9 tonnes	per tonne	\$82	\$90	9.8%
MSW - local governments	per tonne	\$103	\$108	4.9%
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	\$250	\$268	7.2%
Delta farm waste (MSW, yard trimmings, clean wood waste)	per load, up to 3 tonnes 5 loads per year	\$15	\$18	20.0%
Crushed asphalt and concrete	per tonne	N/A	\$3	N/A
<u>Surcharge Rates</u>				
Banned product stewardship surcharge	per load	\$65	\$65	0.0%
Banned hazardous & operational impact material surcharge	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	\$70	\$75	7.1%
Clean wood waste	per tonne	\$70	\$75	7.1%
Food waste	per tonne	\$70	\$75	7.1%
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 tonne	\$16	N/A	N/A
	per m3	N/A	\$8	N/A
Compost (account customers)	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 2019 fee increases and miscellaneous amendments**

1. In Section 2, Definitions, Council strikes out the definition of “recyclable paper” and substitutes:

““recyclable paper” includes newspapers and inserts, flyers, magazines, catalogues, telephone directories, paper gift wrap and greeting cards, writing paper, computer paper, mail, envelopes, paper bags, boxboard, corrugated cardboard, composite paper products such as tetrapak containers, and gable-top paper containers such as milk cartons, but excludes photographic paper, tissue paper, paper napkins and towels, carbon paper, and paper that is adhered to plastic or metal.”.

2. In section 8.4, Council:

- a. in subsection (a), adds the word “and” after “to this By-law;”;
- b. in subsection (b), strikes out “of this by-law other than expanded polystyrene packaging; or” and substitutes “.”; and
- c. strikes out subsection (c).

3. Council strikes out Schedules A, B, E, F and G, and substitutes Schedules A, B, E, F and G attached to this By-law.

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**SCHEDULE A**

**RATES FOR LANDFILL AND TRANSFER STATION**

**I. Drop-off Rates**

The following rates apply to solid waste, yard waste, clean wood 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, clean wood waste, wood waste, and new gypsum (drywall)

<b>Type of Waste</b>	<b>Rate</b>	<b>Peak hours minimum charge (from 10:00 a.m. to 2:00 p.m. Monday to Friday, excluding Statutory Holidays)</b>	<b>Non peak hours minimum charge (other than from 10:00 a.m. to 2:00 p.m. Monday to Friday)</b>
Solid waste, other than municipal garbage	\$142/tonne for 0 to 0.99 tonnes to a maximum of \$120 per load \$120/tonne for 1.00 to 8.99 tonnes to a maximum of \$810 per load \$90/tonne for 9.00 or more tonnes	\$20	\$10
Municipal garbage	\$108/tonne	\$20	\$10
Yard waste, food waste and clean wood waste	\$75/tonne	\$10	\$10
Wood waste, but only at Vancouver Landfill	\$75/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 ..... \$18 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 .....\$268 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 surfacing tipping pads and temporary access roads .....\$45 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 72<sup>nd</sup> Street in the City of Delta. Delivery charges are in addition to these rates.

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	\$83	\$106
120 litres	\$96	\$120
180 litres	\$112	\$139
240 litres	\$129	\$158
360 litres	\$163	\$196

**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 .....	\$62.00
weekly collection .....	\$82.00

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 .....	\$62.00
weekly collection .....	\$82.00

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 .....	\$28.00
weekly collection .....	\$32.00

**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 \$203.00 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	\$126
180 litres	\$148
240 litres	\$170
360 litres	\$214

**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 ..... \$21.00

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**SCHEDULE E**

**HAZARDOUS AND OPERATIONAL IMPACT MATERIALS BANNED  
FROM THE VANCOUVER LANDFILL AND TRANSFER STATION**

The following wastes are prohibited from disposal at the Vancouver Landfill and Vancouver South Transfer Station:

1. Automobile bodies.
2. Refuse that is on fire, smoldering, flammable or explosive.
3. Hazardous Waste as defined in the Hazardous Waste Regulation (B.C. Reg. 63/88), with the exception of asbestos waste delivered to the Vancouver Landfill in accordance with the Asbestos Policy.
4. Propane tanks, with the exception of Propane Tanks delivered as recyclable materials.
5. Liquids or sludge.
6. Coated or uncoated wire and cable that exceeds either 1% of the total weight of the load or 1% of the total volume of the load.
7. Dead animals from personal or business activities.
8. Inert fill material including soil, sod, gravel, concrete and asphalt exceeding 0.5 cubic metres per load, with the exception of those materials meeting the City Engineer's specifications for landfill cover, road building and closure.
9. Excrement, other than amounts of pet excrement that are double bagged and discarded with Municipal Solid Waste and that do not exceed either 5% of the total weight of the load or 5% of the total volume of the load.
10. Barrels, drums, pails or other large (205 litre or greater) liquid containers.
11. New or used gypsum (drywall), with the exception of residential used gypsum (drywall) delivered to the Vancouver Landfill in accordance with the Drywall Policy.
12. Mattresses, with the exception of Mattresses that are delivered in dedicated loads to the Vancouver Landfill for management as special handle waste requiring burial.
13. Railroad ties or creosote treated wood.
14. Toxic Plants, with the exception of Toxic Plants that are double bagged and delivered in dedicated loads to the Vancouver Landfill for management as special handle waste requiring burial.
15. Personal hygiene products where the personal hygiene products make up more than 10% of the total weight of the load unless the personal hygiene products are double bagged in sealed plastic bags that are sufficiently durable to resist leaking or breaking during collection and disposal.
16. Any material that would cause undue risk of injury or occupational disease to any person at the Vancouver Landfill and Transfer Station or that would otherwise contravene the Occupational Health and Safety Regulation (B.C. Reg. 296/97) enacted pursuant to the Workers Compensation Act, as amended or replaced from time to time.
17. Any other material deemed by the City Engineer as unacceptable for disposal at the Vancouver Landfill or Vancouver South Transfer Station.

**SCHEDULE F**

**RECYCLABLE MATERIALS**

1. Beverage containers identified in “Schedule 1 — Beverage Container Product Category” to the *Recycling Regulation* (B.C. Reg. 449/2004) of the *Environmental Management Act*.
2. Containers other than beverage containers made of:
  - i) Metal,
  - ii) Glass,
  - iii) Plastic identified by the SPI Code #1 (Polyethylene Terephthalate or PET) or SPI Code #2 (High Density Polyethylene or HDPE) or SPI Code #4 (Low Density Polyethylene or LDPE) or SPI Code #5 (Polypropylene or PP), or
  - iv) Composite materials to create rigid packaging consisting of paper and polyethylene (gable top cartons, frozen food boxes, ice cream cartons, and microwaveable dinner cartons) or paper, polyethylene and aluminum (aseptic cartons).
3. Recyclable Paper.
4. Corrugated Cardboard.
5. Yard Waste.
6. Food Waste.
7. Clean Wood Waste.
8. Expanded Polystyrene Packaging.

**SCHEDULE G**  
**PRODUCT STEWARDSHIP MATERIALS**

The following materials included in the effective Product Stewardship Program product categories of the *Recycling Regulation* of the *Environmental Management Act*, are banned from garbage containers, and from disposal as garbage at the Vancouver South Transfer Station, and Vancouver Landfill:

1. The following materials pursuant to Schedule 2 – Residual Product Category to the *Recycling Regulation*:
  - i) Solvents and flammable liquids,
  - ii) Pesticides,
  - iii) Gasoline,
  - iv) Pharmaceutical products and medications,
  - v) Oil, oil filters and oil containers,
  - vi) Paint and paint containers,
  - vii) Lead-acid batteries, and
  - viii) Antifreeze and antifreeze containers.
2. Electronics and electrical products, including metal household and commercial appliance, as identified in Schedule 3 – Electronics and Electrical Products Category to the *Recycling Regulation*.
3. Tires pursuant to Schedule 4 – Tire Product Category to the *Recycling Regulation*.