



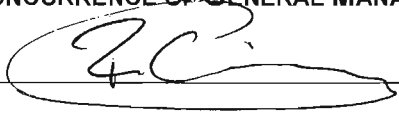


To: Public Works and Transportation Committee **Date:** January 6, 2015
From: Tom Stewart, ASCT.
Director, Public Works **File:** 10-6370-10-05/2015-
Vol 01
Re: **Multi-Family Food Scraps/Organics Recycling and Optional Solid Waste
Collection Services**

Staff Recommendation

1. That a food scraps/organics recycling collection service program be implemented for all multi-family dwellings as outlined in the staff report dated January 6, 2015 from the Director, Public Works.
2. That solid waste collection services including garbage with large item collection, and cardboard collection be implemented for all multi-family dwellings on an opt-in basis as outlined in the staff report dated January 6, 2015 from the Director, Public Works.
3. That the Chief Administrative Office and General Manager, Engineering & Public Works be authorized to negotiate and execute an amendment to Contract T.2988, Residential Solid Waste & Recycling Collection Services to implement, service, acquire, store, assemble, label, deliver, replace and undertake related tasks for the carts, kitchen containers and related items associated with the services outlined in Items 1 and 2, above.
4. That an amendment to the City's Five Year Financial Plan (2015 – 2019) to include:
 - a. capital costs of \$700,000 (funded from the City's general solid waste and recycling provision); and
 - b. operating costs of \$1,212,500 in 2015 with amounts not recovered via rates in 2015 funded from the City's general solid waste and recycling provision,be approved.
5. That Solid Waste & Recycling Regulation Bylaw No. 6803, Amendment Bylaw No. 9204, be introduced and given first, second and third readings.



Tom Stewart, ASCT.
Director, Public Works
(604-233-3301)

REPORT CONCURRENCE		
ROUTED TO: Law	CONCURRENCE <input checked="" type="checkbox"/>	CONCURRENCE OF GENERAL MANAGER 
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: 	APPROVED BY CAO 

Staff Report

Origin

Metro Vancouver has introduced a food scraps disposal ban effective January 1, 2015, with a six-month grace period provided before surcharges will be applied at regional disposal facilities – surcharges commence July 1, 2015. In preparation, at their December 17, 2014 meeting, Council considered a report on “Multi-Family Organics Recycling” and directed as follows:

1. That staff report back in the first quarter of 2015 on Option 2 for City-provided centralized organics and optional centralized garbage collection service for those multi-family residents currently not serviced by the City, as outlined in the staff report from the Director, Public Works dated November 28, 2014, regarding:
 - a) The program implementation timeline;
 - b) The contractual amendments necessary to Contract T.2988, Residential Solid Waste and Recycling Collection Services; and
 - c) The bylaw amendments necessary to Bylaw 6803 – Solid Waste and Recycling Regulation.
2. That the current pilot program for food scraps and organics collection services for multi-family dwellings and commercial businesses be continued pending a determination concerning implementation of a full-scale program.

This report responds to the above and seeks program implementation approval.

This report supports Council’s Term Goal #8 Sustainability:

To demonstrate leadership in sustainability through continued implementation of the City’s Sustainability Framework.

8.1. Continued implementation and significant progress towards achieving the City’s Sustainability Framework, and associated targets.

Analysis

The City currently provides Green Cart recycling services, including food scraps collection, to 56% of total residences (single-family and many multi-family townhome residences). In order to ensure all residents have access to food scraps/organics recycling services to comply with the disposal ban, this report presents a service provision for all remaining residents, i.e. those in multi-level multi-family buildings.

To address frequent requests for access to other City services for a broader suite of waste management collection services, this report also presents an optional service provision for garbage with large item collection, as well as cardboard collection services.

A more detailed description of the proposed services, implementation approach and related contract and bylaw amendments necessary to enact these services is outlined in more detail below.

1. Multi-Family Food Scraps/Organics Recycling Program

Key aspects of this program are outlined below.

A. Service Description:

- i. Food scraps/organics collection service is provided to all multi-family residences (those currently not serviced by the City under existing programs). The strata corporation may apply for exemption from City service, provided a food waste diversion plan that is acceptable to the City, is provided.
- ii. The City provides collection carts, i.e. Green Carts, in a central collection area and in a sufficient number to meet each individual building requirement (including volume generation, space availability, container access, etc.).
- iii. Green Carts are lined by the City only with an approved compostable liner and are cleaned by the City on a monthly basis.
- iv. Green Carts are serviced by the City either weekly or twice per week. The service frequency is established in consultation with the property management company/strata.
- v. The City provides in-unit kitchen containers for each unit, as well as all educational material and signage. This includes regular program updates provided through various means, including direct mail to individual residents.
- vi. Residents use kitchen containers for temporary storage of their food scraps, and may use paper liners (same as current Green Cart program). Residents empty the contents of their kitchen containers into the Green Carts at the central collection area at their convenience. Residents are responsible for maintenance/cleaning their kitchen containers.
- vii. City representatives will work with the property/building manager to address any service issues or concerns, including material contamination, service frequency adjustments, etc.
- viii. The City manages processing of the food scraps/organics (i.e. at composting facility).

B. Implementation Approach:

- i. The City will meet with each individual building representative to arrange the delivery and set up of the Green Carts at the central collection area as well as establish service frequency.
- ii. The City will arrange for lobby display sessions to be held, at which information about the program will be provided to residents who attend the session. Kitchen containers can/may also be distributed as part of the lobby display sessions. Any remaining kitchen

containers will be provided to the building management representative for distribution to residents.

- iii. Items i) and ii) will be conducted concurrently to ensure a smooth transition, i.e. carts delivered in conjunction with the lobby information display session so residents may start using the service immediately.
- iv. Collection service will commence the week following the set up of the Green Carts/the lobby display sessions.

The implementation steps noted will commence upon Council approval of the program, with initial building implementations expected to commence in April. Due to the process involved in coordinating the cart/service set up and lobby display/education sessions, it is estimated that service implementation for all multi-family complexes will take a number of months. The target will be to have all services set up by July 1, 2015, when the surcharge for food scraps disposed at regional waste disposal facilities is imposed.

2. Optional Garbage with Large Item Collection Service

Key aspects of this program are outlined below.

A. Service Description:

- i. Garbage collection service is provided to multi-family residences on application to the City, and where service can be provided/is approved by the City (i.e. space and access issues are satisfied, etc.).
- ii. The City provides collection carts only, i.e. Garbage Carts (no dumpster service), in a central collection area and in a sufficient number to meet each individual building requirement (including volume generation, space availability, container access, etc.).
- iii. Garbage Carts are cleaned by the City on a monthly basis.
- iv. Garbage Carts are serviced by the City either weekly or twice per week. The service frequency is established in consultation with the building management representative.
- v. The City provides all educational material and signage. This includes regular program updates provided through various means, including direct mail to individual residents.
- vi. Residents deposit garbage into the Garbage Carts at the central collection area at their convenience. In situations where there are periodic excess bags of garbage which do not fit into the Garbage Carts, these will be collected provided they bear an excess garbage tag (similar to single-family homes).
- vii. City representatives will work with the building management representative to address any service issues or concerns, including material contamination, service frequency adjustments, etc.

- viii. Multi-family complexes which have Garbage Cart service provided by the City will also be eligible for Large Item Collection Service, i.e. each unit in the multi-family building may place out up to four large items for collection each year. Large item collection must be pre-arranged with the City's service provider and only those items with a confirmation number will be collected. Large item service requests would be arranged by contacting the City's service provider directly.
- ix. Service is in effect to coincide with the City's annual billing cycle and may be discontinued for the subsequent year where 90 days' advance notice is provided.

B. Implementation Approach:

- i. The City will provide information to property management companies/strata corporations about the availability of the garbage/large item collection service and the application process.
- ii. On receipt of application, the City will arrange a site meeting to determine feasibility of service set up, desired collection frequency, etc. and establish if the application can be approved/City service established.
- iii. The City will arrange to meet with each individual strata corporation representative to establish desired servicing arrangements, i.e. location for Garbage Carts at the central collection area as well as service frequency, etc.

Collection service will commence when operationally feasible to provide, i.e. recognizing the priority need to focus City efforts on implementing food scraps collection to meet the regional disposal ban requirement; allow notification periods for building management representatives to address pre-existing contract arrangements; and organization of servicing arrangements.

3. Optional Cardboard Container Recycling Service

Key aspects of this program are outlined below.

A. Service Description:

- i. Cardboard collection service is provided to multi-family residences on application to the City, and where service can be provided/is approved by the City (i.e. space and access issues are satisfied, etc.).
- ii. The City provides collection container (front load bin) in a central collection area and in a sufficient size to meet each individual building requirement (including volume generation, space availability, container access, etc.).
- iii. Cardboard bins are serviced by the City every second week.

- iv. The City provides all educational material and signage. This includes regular program updates provided through various means, including direct mail to individual residents.
- v. Residents deposit cardboard into the Cardboard bin at the central collection area at their convenience.
- vi. City representatives will work with the strata corporation/building management to address any service issues or concerns, including material contamination, service frequency adjustments, etc.
- vii. Service is in effect to coincide with the City's annual billing cycle and may be discontinued for the subsequent year where 90 days' advance notice is provided.

B. Implementation:

Implementation will be handled in a similar manner to that described for "Garbage with Large Item Collection Service".

4. Contract T.2988 – Contractual Amendments

In order to meet the implementation timelines outlined, it is proposed that the City's existing service provider, Sierra Waste Services, be engaged under existing Contract T.2988 to provide implementation and collection services for all aspects of the program. This includes acquiring and delivering carts and kitchen containers, coordinating site meetings and informational lobby displays, providing collection services and related project management services. The key business terms are detailed in Attachment 1.

5. Solid Waste and Recycling Regulation Bylaw No. 6803 Required Amendments

In order to enact the appropriate authority to enable the City to provide the services as outlined in this report, a number of amendments are required to existing Solid Waste and Recycling Regulation Bylaw No. 6803. In addition, changes are proposed to reflect the regional food scraps disposal ban as well as changes to some aspects of the recycling portion of the bylaw to address program enhancements resulting from the City's participation in the Multi-Material BC program.

The proposed amendments, which are outlined in the accompanying Amendment Bylaw No. 9204, include:

- 1. The addition of food scraps/organics recycling collection services for multi-level multi-family residences, including opt out requirements.
- 2. The option for garbage/large item and cardboard collection service as outlined in this report.

- 3. Updated list of materials the City will NOT collect to reflect current stewardship programs (i.e. antifreeze and pharmaceuticals, etc.) and food scraps (to correspond with regional food scraps ban).
- 4. Expanded definitions of recycling materials to include the new items added under the Multi-Material BC program.

In addition, as a housekeeping amendment, maximum fines under the bylaw are being increased from \$2,000 to \$10,000 as permitted under the Community Charter (for consistency with other bylaws).

As part of this report, it is recommended that the Amendment Bylaw No. 9204 be introduced and given first, second and third readings.

Financial Impact

1. Capital Costs

Start-up/implementation costs are estimated at \$700,000 inclusive of:

<u>Contract Costs</u> (excluding taxes):		
Cart/Container Acquisition:	\$246,500	
Delivery/Set-up/Lobby Sessions:	<u>\$232,000</u>	
Total Contractor		\$478,500
 <u>City Costs:</u>		
Educational/Promotion Materials	\$126,500	
System Configuration (Service Tracking)	\$ 70,000	
Temporary Finance Resource Support	<u>\$ 25,000</u>	
Total City		<u>\$221,500</u>
 Total estimated implementation cost:		 \$700,000

It is proposed that these costs be funded from the City’s general solid waste and recycling provision. This is consistent with the funding methodology used for start up costs with other similar City programs.

2. Operating Costs

a) Food Scraps Organics Program

Annual operating costs for this program are estimated at \$1.05 million, inclusive of contract costs and City costs which include estimated organics processing costs, administration (including a new position to coordinate/maintain the program) and related on-going education/cart replacement and miscellaneous costs. Costs in 2015 are projected not to exceed \$787,500 due to pro-rated start up activities commencing April 1, 2015.

The total annual cost to each individual unit in a multi-family building is estimated at \$30.00 net per unit based on weekly service and \$55.00 net per unit based on twice weekly service.

In recognition that 2015 is a start up year, and service is not expected to be implemented for all units until July 1st, it is recommended that the 2015 rate be set at \$15.00 net per unit. This will not result in full cost recovery in 2015 in light of the operational start up period costs, but is considered equitable given that all residents will not have service until July, 2015. The cost variance in 2015 (estimated at \$307,500) is proposed to be funded from the general solid waste and recycling provision. This recommended approach allows the \$15.00 net per unit charge to be included in the 2015 utility rates billing to avoid the need to issue a separate City billing for the service. Rates in 2016 and future years will be set to represent full cost recovery for the full year, and be based on the level of service for each multi-level multi-family building.

b) Optional Garbage with Large Item Collection

Costs and resource requirements for this program are more difficult to project due to the opt-in nature of the program. Estimates are based on projected 40% participation resulting in an estimated annual cost of \$800,000. Costs in 2015 are not expected to exceed one-half (or \$400,000) of this amount due to it being a start up year.

The total annual cost to each individual unit in a multi-family building is estimated at \$55.00 net per unit based on weekly service and \$95.00 net per unit based on twice weekly service. It is recommended that pro-rated fees be charged as service is implemented at each multi-level multi-family building (will require that partial billings be issued) to achieve full cost recovery.

Cost and resource requirements will need to be continually evaluated due to the fluid nature of this program to ensure the service delivery model by the City remains feasible over the longer term.

c) Optional Cardboard Collection

Costs for this program are difficult to project due to the opt-in nature of the program, but are not expected to exceed \$25,000 annually. Rates will be set to achieve full cost recovery, i.e. estimated at \$45.00-\$50.00/month/container.

Based on the above, the total estimated operating cost in 2015 is not expected to exceed \$1,212,500, inclusive of all services:

2015 food scraps organics program anticipated costs:	\$ 787,500
2015 optional garbage with large item anticipated costs:	\$ 400,000
2015 cardboard collection anticipated costs:	<u>\$ 25,000</u>
Total estimated costs in 2015 (partial year)	\$1,212,500

The projected recovery from rates in 2015 is estimated at \$905,000, resulting in an estimated balance of \$307,500 to be funded from the general solid waste and recycling provision. Rates in 2016 and future years will be set to achieve full cost recovery.

Conclusion

This report presents a service delivery program for multi-level multi-family developments to be serviced by the City for food scraps/organics collection based on centralized Green Cart service. By introducing this program, the City will provide the opportunity for residents in these developments to comply with the regional food scraps disposal ban, which commences in 2015. In addition, the City will be providing a consistent level of service for residents in multi-family developments (similar to existing Green Cart service for residents in single-family and townhomes). With the introduction of this program, the City will provide Green Cart recycling service to 100% of residential units in Richmond.

To provide the opportunity for a broader suite of waste management service availability, this report also outlines optional services for garbage/large item and cardboard collection service. This provides residents with the choice of access to this service by the City, or to retain commercial service providers, as best meets their needs and requirements.



Suzanne Bycraft
Manager, Fleet & Environmental Programs
(604-233-3338)

- Att. 1: Contract T.2988 – Key Agreement Terms
2: Solid Waste and Recycling Regulation Bylaw No. 6803, Amendment Bylaw 9204

ATTACHMENT 1

**Contract T.2988 – Residential Solid Waste and Recycling Services:
Key Agreement Terms for Multi-Family/Commercial Food Scraps Recycling Pilot Project**

Item	Key Agreement Terms	Unit Cost	Estimated Units	Estimated Cost	Estimated Total
Contractor Start up/Implementation Costs					
1.	Project start up and customer service support to assist with final scope definition and program implementation tasks, including the following items:				
a)	Acquisition of collection carts, kitchen containers, disposal containers and cart liners as directed by the City				
	o 80 litre	o Range from \$40-\$80/cart	o 200		
	o 120 litre				
	o 240 litre				
	o 360 litre				
	o Paper Bag Liners	o At Cost	o Allowance	o \$ 65,000.00	
	o Kitchen containers and decal application	o \$5.50/container	o 33,000 units	o \$181,500.00	
	Total (exclusive of taxes)				\$ 246,500.00
b)	i) Assembly and delivery of carts kitchen containers to central site location	i) \$1.50/each	i) 32,000 units	i) \$ 47,000.00	
	ii) Lobby Display Information Sessions	ii) At Cost	ii) Allowance	ii) \$150,000.00	
	iii) Site Meetings / implementation / monitoring	iii) \$7,000.00 / month	iii) 5 months	iii) \$ 35,000.00	
	Total (exclusive of taxes)				\$232,000.00
	TOTAL AGREEMENT RELATED START UP COSTS (exclusive of applicable taxes)				\$478,500.00

Item	Key Agreement Terms	Unit Cost	Estimated Units	Estimated Cost	Estimated Total
On-Going Annual Operating Costs					
2.	Collection of Organics/ Food Scraps from Multi Family Dwellings with Central Collection				
a)	i) Provision of equipment and staffing for collection of materials, transportation of materials to designated disposal facility.	\$44,583.33/month	12 months	\$535,000.00	
	Costing to be prorated from a per unit rate based on unit counts from implementation and start of each Multi Family Complex and the deployment of equipment as required.				
	ii) Additional pick up Service (twice Per week)	\$7.00 per cart	11,000 carts	\$ 77,000.00	
b)	Statistics tracking and reporting	Included	N/A		
c)	Cart cleaning services	\$8.00 per cart	16,875 carts	\$135,000.00	
d)	Route management and scheduling	Included	N/A		
e)	Provide and replace bag liners	\$66.00 per case	1,400 Cases	\$ 92,400.00	
f)	Cart Exchanges /Adjustments	\$10.30 per cart	500 carts	\$ 5,150.00	
	TOTAL AGREEMENT RELATED ANNUAL OPERATING COSTS (exclusive of applicable taxes)				\$844,550.00

Item	Key Agreement Terms	Unit Cost	Estimated Units	Estimated Cost	Estimated Total
3.	Opt In Collection of Garbage from Multi Family Dwellings with Central Collection				
a)	i) Provision of equipment and staffing for collection of materials, transportation of materials to designated recycling facility. based on 42% participation with 15% requiring twice per week pick up Costing to be prorated from a per unit rate based on unit counts from implementation and start of each Multi Family Complex and the deployment of equipment as required.	\$22,161.43/month	12 months	\$265,937.16	
	ii) Additional pick up Service (twice Per week)	\$5.00 per cart			
b)	Large Item pick up	\$6.18 per cart	12,800 units	\$ 79,104.00	
c)	Statistics tracking and reporting	Included	N/A		
d)	Cart cleaning services	\$8.00 per cart	2,400 carts	\$ 19,200.00	
e)	Route management and scheduling	Included	N/A		
f)	Cart Exchanges /Adjustments	\$10.30 per cart	500 carts	\$ 5,150.00	
	TOTAL AGREEMENT RELATED ANNUAL OPERATING COSTS (exclusive of applicable taxes)				\$369,391.16

Item	Key Agreement Terms	Unit Cost	Estimated Units	Estimated Cost	Estimated Total
4.	Opt In Collection of Cardboard from Multi Family Dwellings with Central Collection				
a)	i) Provision of equipment and staffing for collection of materials, transportation of materials to designated recycling facility. Costing to be prorated on the based on Bi-weekly collection Additional Service on demand	\$45.00/month	42 sites	\$22,680.00	
		\$50.00 per additional pick up			
c)	Statistics tracking and reporting	Included	N/A		
e)	Route management and scheduling	Included	N/A		
	TOTAL AGREEMENT RELATED ANNUAL OPERATING COSTS (exclusive of applicable taxes)				\$ 22,680.00

Item	Key Agreement Terms	Unit Cost	Estimated Units	Estimated Cost	Estimated Total
5.	General agreement terms:				
a)	Term from April 1, 2015 – December 31, 2017				
b)	Otherwise comply with all other terms and conditions of Contract T.2988, as amended				



**Solid Waste and Recycling Regulation Bylaw No. 6803,
Amendment Bylaw 9204**

The Council of the City of Richmond enacts as follows:

1. The Solid Waste and Recycling Regulation Bylaw No. 6803, as amended, is further amended:
 - (a) by adding section 1.1.1(c) as follows:
 - “(c) from a **multi-family dwelling** upon prior application to and approval by the **General Manager of Engineering & Public Works**; and”
 - (b) by adding the following at the end of section 1.1.1:

“In order to cancel a service provided to a **multi-family dwelling** pursuant to subsection 1.1.1(c) above, the strata corporation for the **multi-family dwelling** must provide a written cancellation notice to the **City** by September 30 of the preceding year and such cancellation will be effective January 1 of the next calendar year.”
 - (c) by deleting sections 1.3.1 to 1.3.2 and substituting the following:
 - “1.3.1 Subject to subsection 1.3.3, the **occupier** every **single-family dwelling**, **duplex dwelling**, and **townhouse development** which receives City **garbage** collection may place for collection, no more than two **garbage containers** per week.
 - 1.3.2 The **City** will provide, to the strata corporation of a **multi-family dwelling** approved for **City** collection and disposal of **garbage** pursuant to subsection 1.1.1(c) of this bylaw, sufficient **garbage carts** to accommodate the estimated **garbage** volume requirements for collection on a weekly or twice per week basis, as applicable. Subject to subsection 1.3.3, the strata corporation shall not place, or permit to be placed, additional **garbage carts** or **garbage containers** for collection, other than the **garbage carts** provided by the City.
 - 1.3.3 Notwithstanding the provisions of subsections 1.3.1 and 1.3.2, an **occupier** or the strata corporation may place additional **garbage containers** for collection, if such **occupier** or strata corporation:

- (a) purchases an excess **garbage container** tag from the City upon payment of the fee specified in Schedule A, and
 - (b) attaches one such tag to each additional **garbage container** placed out for collection.”
- (d) by deleting the opening paragraph of section 1.4.1 and substituting the following:
- “1.4.1 Subject to 1.4.2, an **occupier of residential property** to which **garbage** collection service is provided, must place **garbage** intended for collection in either:”
- (e) by adding section 1.4.2 as follows:
- “1.4.2 Except for additional **garbage containers** for which a **multi-family dwelling** has purchased a tag pursuant to section 1.3.3 of this bylaw, the occupier of **multi-family dwellings** to which City **garbage** collection service is provided must place **garbage** intended for collection by the **City** in **garbage carts.**”
- (f) by deleting section 1.5.1(d) and substituting the following:
- “(d) place in, as applicable, a **garbage cart** or a **garbage container** which meets the requirements of clause (b) of subsection 1.4.1, and mark and identify for the **collector**, all glassware, bottles, sharp pieces of wood, metal, glass or other material which could cause injury.”
- (g) by deleting section 1.6.1(i) and substituting the following:
- “(i) waste oil or petroleum by-products and antifreeze;”
- (h) by deleting section 1.6.1(s) and substituting the following:
- “(s) **yard and garden trimmings** and **food waste**”
- (i) by adding the following as section 1.6.1(x):
- “(x) medication and other pharmaceutical products.”
- (j) by deleting section 1.8.1(b) and substituting the following:
- “(b) a unit in a **townhouse development** or **multi-family dwelling** that receives **City garbage** or **City blue box recycling service,**”
- (k) by deleting sections 1.8.2 and 1.8.3 and substituting the following:
- “1.8.2 The **large item** pick-up service established pursuant to subsection 1.8.1 shall be only for **large items** that were used at the **residential property** where the **large item** is placed for pick-up and collection will only be provided for the

large item specified by the **occupier** in the request made pursuant to subsection 1.8.4(a) of this bylaw.

1.8.3 The maximum of four (4) **large items** per calendar year per eligible **single-family dwelling** and unit in a **duplex dwelling, townhouse development** and **multi-family dwelling** may be disposed of at the same time or on different occasions. If in any calendar year, an eligible dwelling unit does not dispose of four (4) **large items**, that eligible dwelling unit may not carry forward the collection of the remaining item or items into a future calendar year.”

(l) by deleting the opening paragraph of section 1.8.4 and substituting the following:

“1.8.4 **Large items** will be picked up from an eligible **residential property** on the **collection day** for that **residential property**, provided:”

(m) by deleting section 1.8.4(a) and substituting the following:

“(a) the **occupier** contacts, by 5:00pm on the Thursday prior to the **collection day**, the person designated by the **City** to administer the **large item** pick-up service and identifies the specific **large item(s)** to be picked up;”

(n) by deleting section 1.8.5 and substituting the following:

“1.8.5 By no later than 9:00 p.m. on **collection day** and at his, her or its sole expense, an **occupier** or the strata corporation, as applicable, must remove from public view a **large item** placed out for pick-up if the **large item** is:

- (a) tagged as being inappropriate or unacceptable, in the sole discretion of the **City**; or
- (b) placed for pick-up without the **occupier** contacting, by 5:00pm on the Thursday prior to the **collection day**, the person designated by the **City** to administer the **large item** pick-up service; or
- (c) not a **large item** specified in the request made pursuant to subsection 1.8.4(a) of this bylaw; or
- (d) missed for any reason.”

(o) by deleting section 2.1.1(b) and substituting the following:

“(b) subject to subsections 2.2.2 and 2.2.3, arrange for the collection and disposal of **yard and garden trimmings** and **food waste** from all **residential properties** in the **City**;”

(p) by deleting the title of section 2.2 and substituting it with “**2.2 Exemptions from City Service**”;

- (q) by adding sections 2.2.2 and 2.2.3 as follows:

“2.2.2 Upon written application by the strata corporation of a **multiple family dwelling** to the **City**, the **General Manager of Engineering & Public Works** may exempt a **multi-family dwelling** from **City** collection of **yard and garden trimmings** and **food waste**, and the payment of the fee for that service, if the strata corporation develops and implements a **yard and garden trimmings** and **food waste** diversion plan satisfactory to the **General Manager of Engineering & Public Works**.

2.2.3 If subsection 2.2.2 applies to a **multi-family dwelling**:

- (a) the **occupiers** and strata corporation of the **multi-family dwelling** must not dispose of **yard and garden trimmings** and **food waste** except in accordance with the diversion plan;
- (a) any changes to the diversion plan must be approved in advance by the **General Manager of Engineering & Public Works**;
- (b) upon request by the **City**, the strata corporation must provide to the **City** details of the implementation of and compliance with the diversion plan at the **multi-family dwelling**;
- (c) the **City** may, at any time, enter the **multi-family dwelling** to conduct inspections and determine compliance with the diversion plan; and
- (d) if the **City** is, at any time, not satisfied with the diversion plan or the level of compliance with the diversion plan, the **General Manager of Engineering & Public Works** may revoke or cancel any exemption provided pursuant to subsection 2.2.2.”

- (r) by deleting section 2.5.2 and substituting the following:

“2.5.2 The strata corporation of a **multi-family dwelling** may place for collection on **collection day**:

- (a) **yard and garden trimmings**, provided such materials are contained entirely within a **compostable paper bag** which meets the criteria set-out in paragraphs 2.5.1(b)(ii)(E), (F), (G) and (H); and
- (b) **yard and garden trimmings** together with **food waste**, provided such materials are placed entirely within a **yard/food waste cart**.”

- (s) by deleting sections 2.5.3 to 2.5.6 and substituting the following:

“2.5.3 A person must not place or permit to be placed plastic bags, including biodegradable plastic bags, or bags which contain plastic, including paper bags lined or commingled with plastic in a **yard/food waste container**.

2.5.4 The **City** will provide:

- (a) one (1) **yard/food waste cart** to each **single-family dwelling** and each unit in a **duplex dwelling** to which **garbage** collection service is provided, and each unit in a **townhouse development** to which **City garbage** or **City** blue box recycling service is provided; and
- (b) **yard/food waste cart(s)** to **multi-family dwellings** that are not exempted from **City yard and garden trimmings** and **food waste** collection service pursuant to subsection 2.2.2 of this bylaw, in quantities that the **General Manager of Engineering & Public Works** determines, in his or her discretion, are sufficient for the estimated volume of **yard and garden trimmings** and **food waste** generated by the **multi-family dwelling**.

2.5.5 Every **occupier** of a dwelling unit and every strata corporation of a **multi-family dwelling** requesting a replacement **yard/food waste cart** must pay the **yard/food waste cart** replacement fee specified in Schedule B, which is attached to and forms a part of this bylaw.

2.5.6 All **yard/food waste carts** provided to a dwelling unit or **multi-family dwelling** remain the sole property of the **City** and the **City** may, at any time, collect or request the return of a **yard/food waste cart**.”

(t) by deleting section 4.1 and substituting the following:

“4.1 It is a condition of the **City** providing **garbage**, recycling and/or **yard and garden trimmings** and **food waste** collection service to a **townhouse development** or **multi-family dwelling**, that:

- (a) all common property access points and routes for the collection service must be kept clear and any access gates to the building or development must remain open on **collection day**, or alternative means of access (such as keys, codes or fobs) are arranged in advance with the **collector**; and
- (b) the **City** will not repair or be responsible for any damage to the common property, or surrounding property, which may result from use by the collection vehicles.”

(u) by deleting section 5.1 and substituting the following:

“5.1 Obligations of Occupier/Strata Corporation of Residential Property

5.1.1 Every **occupier** of a dwelling unit and every strata corporation of a **multi-family dwelling** to which City **garbage**, recycling and/or **yard and garden trimmings** and **food waste** collection service is provided must maintain all **garbage containers**, **recycling receptacles** and **yard/food waste containers** and any enclosures for them in a clean and sanitary condition, and in good order and repair. Where materials not permitted by this bylaw are placed in a **garbage container**, **recycling receptacle** or **yard/food waste container**, the **occupier** of the dwelling unit or the strata corporation of the **multi-family dwelling**, as applicable, is responsible for removing such materials at his, her or its cost and expense.”

(v) by deleting section 8.1 and substituting the following:

“8.1 Obligations of Occupiers and Strata Corporations

8.1.1 Subject to section 8.1.2, the **occupier** or strata corporation of a **residential property** to which City **garbage**, recycling and/or **yard and garden trimmings** and **food waste** collection service is provided must:

- (a) store all **garbage containers**, **yard/food waste containers** and **recycling receptacles** on the property to which they belong, and ensure that they do not encroach from such property, or project over any street, lane or other public place; and
- (b) place all **garbage containers**, **garbage carts**, **yard/food waste containers** and **recycling receptacles** which are intended for collection, at either the back lane, front street or central collection location, whichever may be specified by the **General Manager of Engineering & Public Works**, and in accordance with the following:
 - (i) if applicable, be placed adjacent to, but not on the travelled portion of the roadway on **collection day**, and so that they do not endanger vehicle or pedestrian traffic or interfere with City street cleaning or other equipment;
 - (ii) be placed for collection no earlier than 8:00 p.m. of the day before **collection day** and no later than 7:30 a.m. on **collection day**, and they must be returned to

their storage location no later than 9:00 p.m. the same day; and

- (iii) be placed so that they are easily seen by collection staff, readily accessible by unobstructed access, and can be conveniently handled from ground level, so that collection staff are not required to open gates, climb or descend stairs, lift containers or receptacles over fences, or be otherwise unnecessary inconvenienced.

8.1.2 The strata corporation of every **townhouse development** and **multi-family dwelling** to which City **garbage**, recycling and/or **yard and garden trimmings** and **food waste** collection service is provided must ensure that **garbage containers**, **yard/food waste containers** and **recycling receptacles** for such **townhouse development** or **multi-family dwelling** are located in the place identified for such containers in any development permit or development variance permit applicable to such property, or as directed by the **General Manager of Engineering & Public Works.**”

- (w) at section 13.1 by deleting that part after (e) and substituting the following:

“is deemed to have committed an infraction of, or an offence against, this bylaw and is liable on summary conviction to a fine not to exceed \$10,000, and each day that such violation is caused, or allowed to continue, constitutes a separate offence.”

- (x) by adding the following definition to section 15.1, in alphabetical order:

“**GARBAGE CART** means a wheeled cart provided by the **City** for the disposal and collection of **garbage**.

- (y) at section 15.1, by deleting the definitions of “**GARBAGE CONTAINER**”, “**RECYCLABLE MATERIALS**” and substituting the following, in alphabetical order:

“**GARBAGE CONTAINER** means either:

- (i) a plastic bag; or
- (ii) a container for holding **garbage** which meets the requirements of clause (b) of subsection 1.4.1; or
- (ii) a **garbage cart**.

RECYCLABLE MATERIALS means the following:

- (a) newspapers or other papers printed on newsprint;
 - (b) paper products, including magazines, catalogues, telephone books, paperbacks, paper egg cartons, third class mail, corrugated cardboard, cereal and paper boxes, office paper, glossy paper, paper pet food bags, paper cups, and any fiber made entirely of paper, but does not include wax paper;
 - (c) glass bottles, including all food and beverage containers, but excluding drinking glasses, ceramics, Pyrex, window glass, light bulbs or containers with food;
 - (d) metal containers and packaging, including all aerosol cans, spiral wound cans, tin and aluminum foil and containers, but excluding paint cans and cans with food or other residue;
 - (e) plastic containers, including plastic jugs with screw tops, plastic bottles and caps, plastic jars and lids, plastic clamshells, plastic trays and tops, plastic tubs and lids, plastic cold drink cups and lids, plastic garden pots and trays, plastic pails, and microwavable bowls and cups;
 - (f) milk cartons, juice boxes, frozen dessert containers, aseptic boxes or cartons and gable-top cartons; and
 - (g) other products determined by the **General Manager of Engineering & Public Works** to be acceptable for recycling.”
- (z) by deleting Schedule A and Schedule B and substituting the schedules attached to and forming part of this bylaw.

- 2. This Bylaw comes into force and effect on April 1, 2015.
- 3. This Bylaw is cited as **“Solid Waste and Recycling Regulation Bylaw No. 6803, Amendment Bylaw 9204”**.

FIRST READING

SECOND READING

THIRD READING

ADOPTED

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

MAYOR

CORPORATE OFFICER

Schedule A to Bylaw 9204

SCHEDULE A to BYLAW NO. 6803

FEES FOR CITY GARBAGE COLLECTION SERVICE	
Annual City garbage collection service fee for each single-family dwelling, each unit in a duplex dwelling, and each unit in a townhouse development	\$ 121.67
Annual City garbage collection service fee for each unit in a multi-family dwelling*	
- weekly service	\$ 53.50
- twice per week service	\$ 97.75
Fee for each excess garbage container tag	\$ 2.00
Large item pick up fee*	\$ 8.33

* To be prorated in 2015 where service commences after January 1, 2015.

SCHEDULE B to BYLAW NO. 6803

FEES FOR CITY RECYCLING SERVICE	
Annual City recycling service fee:	
(a) for residential properties, which receive blue box service (per unit)	\$ 50.00
(b) for multi-family dwellings or townhouse developments which receive centralized collection service (per unit)	\$ 34.44
Annual recycling service fee:	
(a) for yard and garden trimmings and food waste from single-family dwellings and from each unit in a duplex dwelling (per unit)	\$ 100.00
(b) for yard and garden trimmings and food waste from townhome dwellings that receive City garbage or blue box service (per unit)	\$ 50.00
(c) for yard and garden trimmings and food waste from multi-family dwellings*	
- weekly service	\$ 33.50
- twice per week service	\$ 61.15
Cardboard bin recycling service for multi-family dwellings, collected once every 2 weeks	\$ 50.00/bin/month
Fee for yard/food waste cart replacement (per cart)	\$ 25.00
Annual City Recycling Depot service fee for non-residential properties	\$ 2.44
City recycling service fee for the Recycling Depot:	
	\$20.00 per cubic yard for the second and each subsequent cubic yard
(a) (i) for yard and garden trimmings from residential properties	
(ii) for recyclable material from residential properties	\$0
(b) for yard and garden trimmings from non-residential properties	\$20.00 per cubic yard
(c) for recycling materials from non-residential properties	\$0

* In 2015, fee will be \$16.75 for both weekly and twice per week service for period from July 1 to December 1, 2015.