



City of Richmond

Report to Committee

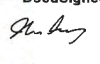


To: General Purposes Committee **Date:** April 9, 2020
From: Tom Stewart, AScT. **File:** 10-6370-01/2019-Vol
 Director, Public Works Operations 01
Re: **Report 2019: Continuous Improvement for Sustainable Waste Management**

Staff Recommendation

That the annual report titled, "Report 2019: Continuous Improvement for Sustainable Waste Management" be endorsed and be made available to the community on the City's website and through various communication tools including social media channels and as part of community outreach initiatives.

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

Att. 1

REPORT CONCURRENCE	
CONCURRENCE OF GENERAL MANAGER	
 <small>0352CB00CEDB448...</small>	
SENIOR STAFF REPORT REVIEW	INITIALS:
	
APPROVED BY CAO	
	

April 9, 2020

- 2 -

Staff Report

Origin

This report presents the City's annual progress toward waste diversion goals as outlined in the attached "Report 2019: Continuous Improvement for Sustainable Waste Management."

This report supports Council's Strategic Plan 2018-2022 Strategy #2 A Sustainable and Environmentally Conscious City:

Environmentally conscious decision-making that demonstrates leadership in implementing innovative, sustainable practices and supports the City's unique biodiversity and island ecology.

2.1 Continued leadership in addressing climate change and promoting circular economic principles.

2.2 Policies and practices support Richmond's sustainability goals.

This report supports Council's Strategic Plan 2018-2022 Strategy #8 An Engaged and Informed Community:

Ensure that the citizenry of Richmond is well-informed and engaged about City business and decision-making.

8.1 Increased opportunities for public engagement.

Analysis

Background

The City has a waste diversion goal of 80% by 2020 which aligns with that established by Metro Vancouver in the regional Integrated Solid Waste and Resource Management Plan (ISWRMP). To support this target, the City provides a range of reduction, recycling and waste management services to Richmond residents. To promote involvement and utilization of these services, the City has an extensive range of communication and outreach initiatives to raise awareness and engage citizens.

"Report 2019: Continuous Improvement for Sustainable Waste Management" (the Report) presents the City's annual progress update (Attachment 1). The Report summarizes Richmond's comprehensive programs and services, provides insights into upcoming initiatives and includes tips and resources to support reduction, recycling, and sustainable waste management.

April 9, 2020

- 3 -

2019 Highlights

The Report highlights Richmond's role as a leader in the region in reducing waste and embracing circular economy principles. These key milestones have helped inspire single-family homes to divert 79% of waste from landfills.

The City not only expanded its programs and added services, but also took bold steps toward waste reduction through the introduction of Single-Use Plastic and Other Items Bylaw No. 10000. The City's bylaw received first three readings on July 22, 2019 and was forwarded to the Province for Ministerial approval. The bylaw, as written, will become effective six months after formal adoption, and enforceable twelve months after adoption, however staff are monitoring impacts from the COVID-19 pandemic and will bring forward recommendations on implementation and timing as necessary. This bylaw is intended to ban plastic straws, plastic checkout bags and foam food service ware. It is estimated that over 35 million of these items are disposed of in Richmond each year.

Report 2019 Overview

The 2019 Report contains four sections – the first three sections provide an overview of the past year, including details and statistics on the City's waste management programs and services, and key planned initiatives for 2020. The Report's final section provides a comprehensive tips and resources guide which provides more information on where to recycle, dispose or donate various household items.

The following is a summary overview of each section:

Section 1: Annual Outlook provides an overview of the challenges and achievements in 2019, including:

- **Single-Use Plastic and Other Items Bylaw No. 10000:** As part of introducing the new bylaw, the City initiated a comprehensive communication and engagement campaign to reach out to local businesses and the general public. In total, 456 Richmond residents participated in the online Let's Talk Richmond survey and 179 businesses attended targeted Business Workshops hosted by the City. Additionally, the City continues to advocate to provincial and federal governments for guidance and consistent regulations around single-use items and biodegradable and compostable plastics.
- **Richmond Recycling Depot:** Operating hours were expanded to six days per week and new items are also now being accepted for recycling including electronics, propane tanks, butane cylinders, tires, smoke and carbon monoxide alarms and upholstered furniture.
- **Large Item Pick Up Program:** This program was enhanced to increase the service from four to six items per year per household and tires were added as an acceptable item.
- **Pilot Program with Richmond Schools:** Designed, implemented and completed the Flexible Plastic Packaging Recycling Campaign in Richmond Schools in association with School District 38.

April 9, 2020

- 4 -

- **Repair Fair:** Introduced the Richmond Repair Fair at the CEEP Ideas Fair (Community Energy and Emissions Plan) to determine Richmond residents' interest in free repair events.
- **Green Ambassadors:** Supported the Green Ambassadors program who contributed 4,167 volunteer hours to promote recycling and responsible waste management at 20 special events and 11 symposiums for training and engagement. In addition, a new dedicated web page was created to promote awareness and recruitment for the program.
- **Tours and Workshops:** Held 12 Richmond Recycling Depot tours, 32 recycling workshops, 11 outreach displays and 20 sessions at multi-family complexes with approximately 3,950 attendees.
- **Special Event Recycling:** Provided 82 special events in public spaces with more than 280 recycling stations for 263,000 attendees.
- **Collective Efforts to Reduce Food Waste:** Joined the Love Food Hate Waste campaign to help support the national and provincial efforts to reduce food waste and maintain consistent messaging that serves to familiarize residents with the program and overall brand.

All of these initiatives were supported by an extensive communication and outreach program to broadly engage the community in waste reduction and increased recycling participation.

The *Annual Outlook* section also highlights new initiatives and service targets for the upcoming year.

Section 2: Tracking Our Progress provides statistics and data on the broad range of programs and services the City offers residents to responsibly reduce, recycle or dispose of their household items. Highlights for each program show their contribution to residents in single-family homes achieving 79% waste diversion.

Through the Green Cart programs, residents diverted 20,673.06 tonnes of food scraps and yard trimmings from the landfill. The residential Blue Box and Blue Cart programs diverted 8,464.86 tonnes of recyclable material, while the Richmond Recycling Depot captured an extra 4,592.18 tonnes of materials. The Large Item Pick Up program completed 10,082 service requests, equating to 787 tonnes of materials collected – 547 tonnes of which were recycled. Through outreach and customer service, staff assisted residents with 15,635 customer service calls, attended 11 special events and hosted 64 community workshops and tours in 2019.

Section 3: Programs and Services describes the City's comprehensive recycling and waste reduction initiatives, highlighting how each program or service contributes to the City's overall diversion and sustainability goals. This section also includes information on litter collection, public spaces recycling, event recycling, and community and school engagement programs.

April 9, 2020

- 5 -

Section 4: Tips and Resources provides an at-a-glance resource on how and where to recycle, what to do with hazardous waste, and where to find additional information. This includes contact information and locations for Richmond services and community partners involved in extended producer responsibility programs.

Moving Forward

Through partnerships and community engagement, the City will continue to implement new initiatives to make it easier and more convenient for residents to recycle their household waste. Key focus areas in 2020 will include:

- Work with businesses and the community to implement the Single-Use Plastic and Other Items Bylaw No. 10000.
- Complete capital upgrades at the Recycling Depot to enhance site safety for users and staff, and expand operating days to seven days per week. New materials to be accepted include fire extinguishers, motor oil, antifreeze and car batteries.
- Develop and implement a communication plan designed to achieve the 80% waste diversion and increased awareness about how to support a circular economy.
- Host expanded Richmond Repair Fair events throughout the year and assess the program.
- Consider a pilot program for the collection of grease to assess the effect of grease build-up on the sanitary sewer system.
- Complete a detailed review and scope assessment related to enhanced recycling options for the commercial sector.

Proposed Communication

Subject to Council's direction, the annual "Report 2019: Continuous Improvement for Sustainable Waste Management" will be made available on the City's website and through various communication tools including social media channels as part of community outreach initiatives.

Financial Impact

None.

April 9, 2020

- 6 -

Conclusion

Through the “Report 2019: Continuous Improvement for Sustainable Waste Management,” the City is providing its residents with an annual progress report on the many recycling and waste management programs and services delivered in the community. By tracking progress and waste diversion, the City is demonstrating Richmond’s commitment to responsive services, responsible government and accessible information and communication.

It is through Richmond residents’ participation and commitment to recycling that those living in single-family homes have achieved 79% waste diversion in 2019.



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

SJB:kn

Att. 1: Report 2019: Continuous Improvement for Sustainable Waste Management

City of Richmond Recycling and Solid Waste Management

REPORT 2019

CONTINUOUS IMPROVEMENT FOR SUSTAINABLE WASTE MANAGEMENT





Thank You Richmond

In 2019, multiple City initiatives were guided by the input and actions of City residents and businesses.

The City continues to focus on both the quality and quantity of recycling, as we need materials sorted properly so they can be turned into new products and remain part of the circular economy by being reused and repurposed multiple times. We appreciate the leadership our residents demonstrate through their recycling efforts. Thanks to their commitment to recycle, we are now diverting close to 80% of household waste from the landfill. This recycling is used for new materials and products – many through processing facilities in Canada. As an example, Recycle BC reports that glass is shipped to Abbotsford to be processed into new bottles and to Quesnel to be made into sandblast materials. Metal containers are sold to end-markets in B.C., Ontario and the United States and can be recycled into new packaging, like aluminum cans and sheet metal for automotive manufacturing. Plastics are processed in the Lower Mainland, made into pellets and used in new products such as plastic bags or cosmetic containers.

We also recognize that recycling is only part of the picture. We also need to reduce waste – especially single-use items that create unnecessary waste and cause pollution. With the introduction of *Single-Use Plastic and Other Items Bylaw No. 10000*, we have taken an important step towards reducing reliance on single-use items. It is clear that provincial and federal actions are also coming, and we want to ensure our businesses have the information they need to get ahead of these changes while choosing more sustainable products. Thanks to the many business representatives who participated in the workshops hosted in the fall, we have a better sense of how these changes will affect business, and how the City can support them in the transition. We also gained insight into how residents can support re-usable options.

Together, we can make significant changes in our community that will support a circular economy and provide a more sustainable approach to waste management.

Contents

1.0	Annual Outlook	3
1.1	2019 Top Accomplishments	6
1.2	Setting Goals	8
2.0	Tracking Our Progress	11
2.1	Diversion Statistics	12
2.2	Outreach and Customer Service	20
3.0	Programs and Services	27
3.1	Program and Service Overview	28
3.2	Blue Box and Blue Cart Programs	30
3.3	Green Cart Program	36
	Yard Trimmings Drop-off	39
3.4	Garbage Cart Program	40
3.5	Richmond Recycling Depot	42
	Depot Map	44
3.6	Large Item Pick Up Program	46
3.7	Public Spaces Programs	48
3.8	Outreach and Customer Service	50
4.0	Tips and Resources	53
4.1	Community Resources and Partnerships	54
4.2	Banned and Hazardous Materials	56
4.3	Recycling and Disposal Directory	57

Environmental Programs is responsible for residential garbage and recycling services, including collection, drop-off services at the Richmond Recycling Depot, public spaces recycling, litter collection services, and sustainable waste management for the City.

We strive to help create a more resilient environment through our programs and services. We believe that it is our responsibility to preserve our community and our planet for future generations.

Through outreach and engagement, working with our residents and local businesses, and partnering with local agencies, we strive to meet and exceed all regional waste diversion goals by continuously expanding our program and service offerings.



CONTINUOUS IMPROVEMENT FOR SUSTAINABLE WASTE MANAGEMENT

1.0

Annual Outlook

Waste management has become much more than simply a service. A lot of waste is now a product that is sold to recycling processors or material that must be handled safely and responsibly.

The way waste is managed is integral to supporting sustainability and the circular economy – where used items are recycled into new products or reused so that they stay in circulation, reducing the need to harvest raw materials. Sustainable waste management also involves reducing waste through individual actions and product choices. At the same time, Richmond is affected by standards set by Metro Vancouver, contract requirements with Recycle BC and composting facilities, and new standards in China or with other processors that have resulted in the need for high quality recycling.

To meet these requirements and create sustainable waste management solutions, the City of Richmond focuses on continuous improvement. This includes expanding its programs and services and working with residents to provide information and assistance related to how they can increase the amount they recycle and improve the quality of their recycling. The City also strives to improve the efficiency of its services, and to work in partnership with others who share a commitment to sustainable waste management.

Service enhancements in 2019 included extending operating hours at the Richmond Recycling Depot to remain open six days a week, and to accept new items including propane tanks, butane cylinders, upholstered furniture, tires and electronics. The City also expanded the Large Item Pick Up program, increasing the number of items accepted each year from four to six, adding tires (passenger and light duty truck only) as accepted items, and upholstered furniture is now recycled.

TOWARDS A CIRCULAR ECONOMY

It's time to shift to a circular economy, where the materials we use stay in circulation to be used, re-used and recycled multiple times into new products.

The City also developed a pilot program in partnership with the Richmond School District to promote flexible plastic packaging recycling, which is now accepted at the Richmond Recycling Depot. Through this program, participating schools encouraged students to recycle flexible plastic packaging like chip bags, candy/granola bar wrappers, rice cracker and seaweed packages, cookie wrappers and fruit cup plastic seals. The City provided bins and promotional materials like posters, signage and parent notices. The primary focus of the program was to increase awareness and encourage students to recycle materials that in the past were considered garbage. Twenty schools participated in the one-month pilot program, each receiving \$250.

All of these actions support Richmond's goal to be a Recycling Smart City, and together, these measures contribute to supporting residents in diverting close to 80% of their household waste from landfills.

It's also essential to have good quality recycling as processing facilities have increasingly high requirements for these materials. The quality of recycling is reduced when non-recyclable items are found in recycling bins, or when recyclables are not sorted into the correct bin, such as when glass is put in the Blue Box instead of the grey Glass Recycling Bin. Recycling processors will pay less for contaminated recycling, or worse, will not accept it. As well, when more than 3% of collected recycling is contaminated, the City can be charged fines and other penalties as part of its contract with Recycle BC, and these costs are ultimately paid by residents. As a consequence, if contamination is consistently found in recycling bins, the recycling will be left behind until the contamination issue is addressed.

To help residents improve the quality of recycling, the City continued its "Let's Recycle Correctly!" campaign, which involved communication and education materials, as well as recycling audit teams who completed random scans of curbside collection bins.

In 2019, the campaign was expanded to include audits of residential Blue Box and Green Cart recycling, as well as Garbage Carts. The focus is on providing residents with feedback on how well they are sorting their household waste, as well as tips on how they can keep recyclable materials out of the garbage and improve the quality of their recycling by sorting it correctly.

While the City will continue to focus on how to increase and improve recycling, there is also growing awareness of the need to reduce waste overall. In some cases, items like single-use plastic are causing serious pollution in oceans and other waterways, and in others, food is being wasted when it could go to families in need. The City took a number of steps in 2019 to address these concerns.

To address unnecessary waste from single-use items, Richmond City Council completed the first key step towards introducing the proposed Single-Use Plastic and Other Items Bylaw 10000 by approving the first three readings of the bylaw. This bylaw bans plastic straws, plastic checkout bags and foam food service ware, like plates, cups, bowls and take-out containers. Because Bylaw 10000 relates to environmental matters, the City sent the proposed bylaw to the BC Ministry of Environment and Climate Change Strategy for approval. At the same time, the City initiated a comprehensive community engagement process that involved connecting with businesses affected by the bylaw and business organizations. Through a series of 10 workshops, including sessions in English, Cantonese and Mandarin, the City provided information about the items that would be banned and the approved alternatives. The City also collected feedback on the proposed bylaw and how it can support businesses in the transition.

The community engagement also included an online survey, inviting residents to share comments and questions about the proposed bylaw as well as information about how reusable alternatives are currently being used in the community.

In addition to the City's bylaw, both provincial and federal governments have indicated that they are reviewing their own measures to ban these types of single-use items. As a result, the City will continue to work with affected businesses to keep them informed and help them prepare for transitioning to better alternatives.

In a new step to reduce unnecessary food waste, the City is partnering with FoodMesh, a local organization with a proven history of preventing food waste by using it to match supply with demand. The unique program is designed to prevent 225,000 kg of food from going to waste throughout 2020 and using it to create approximately 300,000 meals for Richmond residents experiencing food insecurity.

The web and app-based exchange platform creates an online network where Richmond-based food businesses and farmers with surplus food can either donate or sell it to charities, farmers or businesses that can use it to support those in need.

All of these initiatives are further supported by an extensive communication and outreach program to provide information and educate residents about how to increase recycling and reduce contamination. In addition to communication that incorporates a mix of advertising, printed materials and online tactics, the City also reached out to residents in person through 32 workshops and 12 tours at the Richmond Recycling Depot, as well as displays at community events and in shopping malls.

Increasing the amount being recycled, ensuring it is the quality needed to be accepted by processors and reducing unnecessary waste all contribute to sustainable waste management. This in turn supports a circular economy, where the materials we use stay in circulation to be used, re-used and recycled multiple times into new products.

HOW RESIDENTS CAN HELP US REACH OUR TARGET

1. STOP

Rethink what you're putting in the garbage. Can it be recycled, donated or reused?



2. REDUCE

Reduce waste by choosing reusable options and avoiding single-use items such as bottles, film wrap, plastic bags and Styrofoam containers.

3. REUSE

Donate used items in good condition so that they can be reused. Check out www.richmondshares.bc.ca

4. RECYCLE

Keep food scraps and food-soiled paper out of the garbage, and recycle other materials through City collection services, the Recycling Depot and take-back programs (See page 53).

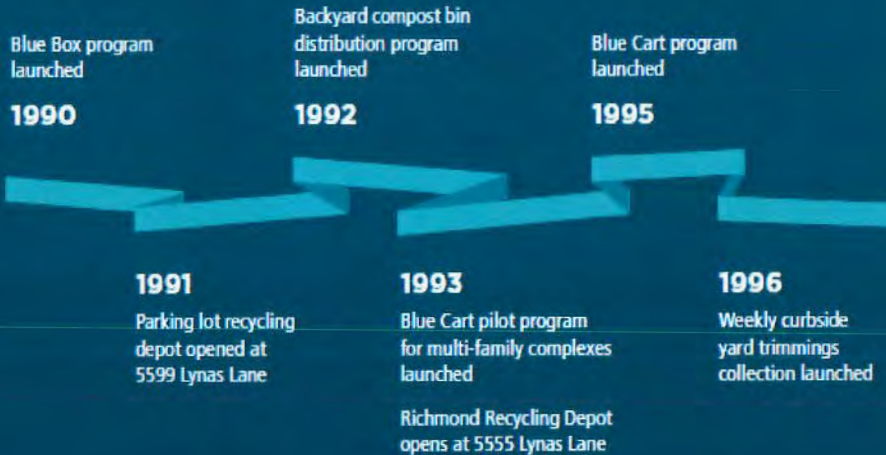
1.1

2019 Top Accomplishments

With a continued emphasis on supporting sustainable waste management, the City is focused on promoting recycling and waste reduction. This report showcases some of the key achievements in 2019, as well as looking back on the City's top accomplishments over the last decade.

RECYCLING MILESTONES

Looking back to the 1990s and the past decade, there have been many accomplishments that have helped Richmond reach its goals.



1 RICHMOND RECYCLING DEPOT

Extended operating hours to six days per week and added new accepted items.

2 EXPANDED LARGE ITEM PICK UP

Increased Large Item Pick Up Program to six items per year per household, and added tires as an accepted item.

3 SINGLE-USE PLASTIC AND OTHER ITEMS BYLAW

Introduced Bylaw 10000 and completed communication and engagement campaign with Richmond businesses and residents.

4 LET'S RECYCLE CORRECTLY! CAMPAIGN

Launched communication campaign and implemented audits of Blue Box, Garbage Cart and Green Cart with focus on education and awareness.

5 FLEXIBLE PLASTIC PACKAGING RECYCLING

Designed, implemented and completed a pilot recycling program with the Richmond School District.

6 RICHMOND REPAIR FAIR

Introduced the Richmond Repair Fair at City events to provide free repairs on small household items.

7 GARBAGE COLLECTION EFFICIENCY

Installed additional in-ground litter collection containers to address capacity concerns and reduce service frequency.

8 PUBLIC SPACES RECYCLING

Installed 27 new public space recycling containers that are of newer design and implemented standard signage guidelines.

9 GREEN AMBASSADORS PROGRAM

Supported 20 special events and 11 symposiums for training and engagement with 4,167 volunteer hours, and created a new dedicated web page to promote awareness and recruitment.

10 COMMUNITY OUTREACH

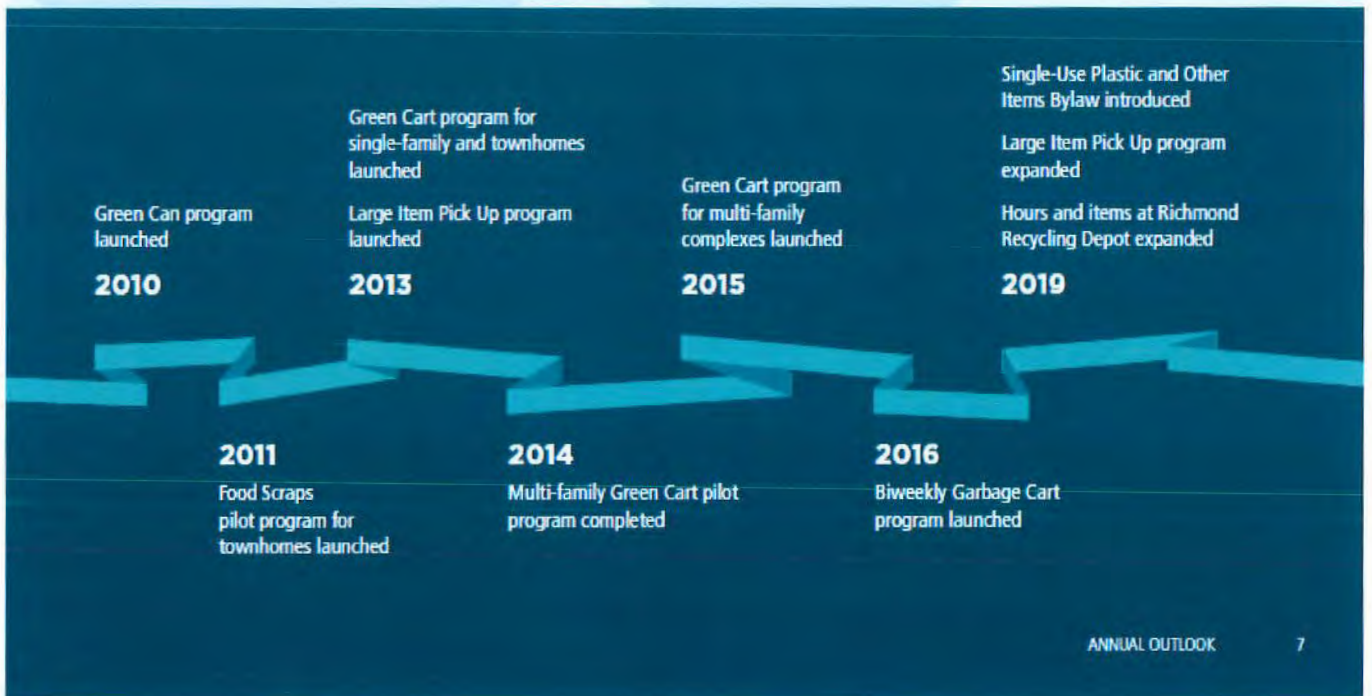
Held 12 Richmond Recycling Depot tours, 32 recycling workshops, 11 outreach displays and 20 sessions at multi-family complexes with approximately 3,950 attendees.

11 SPECIAL EVENT RECYCLING

Provided 82 special events (263,000 attendees) with more than 280 recycling stations.

12 LOVE FOOD HATE WASTE

Joined the national Love Food Hate Waste campaign to help reduce food waste.



1.2 Setting Goals

Richmond's long-term goal is to be a Recycling Smart City, and the annual goals listed here are designed to help achieve this target. Each goal is designed to make it easy and convenient to recycle and reduce waste in Richmond, as well as creating and promoting opportunities for innovation, partnership and continuous improvement.

1 ENHANCE SERVICE AT RICHMOND RECYCLING DEPOT

Expand operational days to seven days per week, complete upgrades and expand accepted items to include fire extinguishers, motor oil, antifreeze and car batteries.

2 EXPAND COMMUNICATION AND ENGAGEMENT

Develop and implement a communication plan to achieve 80% waste diversion, and increased awareness about how to support a circular economy.

3 EXPAND RICHMOND REPAIR FAIR

Host expanded Richmond Repair Fair events throughout the year and assess program.

4 BYLAW 10000 BUSINESS ENGAGEMENT

Work with businesses to implement the Single-Use Plastic and Other Items Bylaw 10000.

5 RAISE AWARENESS ON THE ISSUES OF MARINE PLASTICS

Research and stay current on policies and actions around the world and increase awareness of how to reduce plastic litter in Richmond.

6 GREASE COLLECTION PILOT

Consider a pilot program for the collection of grease to assess the effect of grease build-up on the sanitary sewer system.

7 COMMERCIAL RECYCLING SERVICE REVIEW

Complete a detailed review and scope assessment related to enhanced recycling options for the commercial sector.

8 DEVELOP STRATEGY TO ADDRESS ILLEGAL DUMPING

Continue development of the Illegal Dumping Overview and Strategy.



In the Community

One of the best ways to increase awareness about how to recycle consistently and correctly is to meet with residents in person.

City outreach teams can answer questions directly and demonstrate how recycling works in Richmond. In addition to outreach at community events and other public displays, the outreach teams deliver workshops, and host tours and activities at the Richmond Recycling Depot.

Programs through schools are popular as young people learn about recycling and bring the information home to their families. One example is a workshop held at W.D. Ferris Elementary involving 55 students to help raise awareness about how to recycle flexible plastic packaging.

"Having the City present to the students strengthens the connection between the classroom and the greater community about environmental sustainability," says Kevin Lyseng, the teacher and school Environmental Steward who requested the City's workshop. "It reinforces that the important steps students take at school to reduce waste have a profound effect on the environment, and that their actions are aligned with what the City does with the wider population."

Richmond also provides information and assistance to new immigrants and refugees in the community. In 2019, Richmond hosted three workshops involving approximately 70 participants through Settlement Workers in the Schools (SWIS), a program offered through the Richmond School District No 38. Participants toured the Richmond Recycling Depot and participated in activities focused on how to recycle correctly.

"These workshops are important as many people don't know where to get the information and where to go if they want to recycle something, especially if they are new immigrants in Richmond," says Clara Avendano, who has requested the City's workshops as part of her role with SWIS. "As SWIS workers, we think it's important to work with the City. Richmond has many great programs and events, and working together, we can help to connect new families with the resources available in the community."

Richmond also reaches new residents through its partnership with S.U.C.C.E.S.S., a non-partisan and not-for-profit charitable organization, which was founded to promote the well-being of Canadians and newcomers.



S.U.C.C.E.S.S class touring the Richmond Recycling Depot.

By providing both general recycling information and presentations on new programs as they are introduced, the City and S.U.C.C.E.S.S. are able to connect with new residents through both translated materials and sessions designed to provide participants with opportunities to practice their English skills.

"All the newcomers I have taught in the LINC (Language Instructions for Newcomers to Canada) sincerely want to integrate and help protect Canada's beautiful environment; however, as English is their second or even third language, many would hesitate to call City Hall or approach English-speaking neighbours to get more information about recycling," says April Toh, an instructor with S.U.C.C.E.S.S.

"Some newcomers may also feel nervous about meeting people from local government, possibly because of cultural norms or perceptions based on past experiences in their respective home countries. But the staff for the workshops always showed so much patience and empathy in helping the newcomers, and there was also quite a lot of fun and laughter during their workshops. Sentiments and phrases along the lines of 'Oh, I didn't realize...,' 'Gosh, I never knew...,' and 'Wow, that's really good to know' were always heard after each workshop, so there are definitely a lot of 'a-ha!' moments," adds Toh.

Given the many positive outcomes from in-person workshops and activities, it's clear that community outreach will continue to add value to residents and help Richmond achieve its goal to be a Recycling Smart City.



REPORTING ON OUR SUCCESSES

2.0

Tracking Our Progress

As part of tracking progress towards its goal to divert 80% of waste from landfills by 2020, the City of Richmond collects data across a broad spectrum of programs, services and activities. This data provides annual tracking, showing how residents have improved their recycling over the years.

The mix of data reported reflects the amount of recycling handled through residential collection programs, the usage and types of materials dropped off at the Richmond Recycling Depot and a breakdown of the different types of recyclable materials that are being diverted from the landfill through multiple recycling programs. As well, the City has a number of outreach initiatives that are aimed at increasing awareness and understanding of how to recycle correctly and consistently. This community engagement includes workshops, games and activities, student programs and the use of technology through the Richmond Collection Schedule app.

The City's reporting also highlights how partnerships help to increase the quality and quantity of recycling at events hosted in Richmond, and projects to promote a beautiful, litter-free community.

2.1

Diversion Statistics

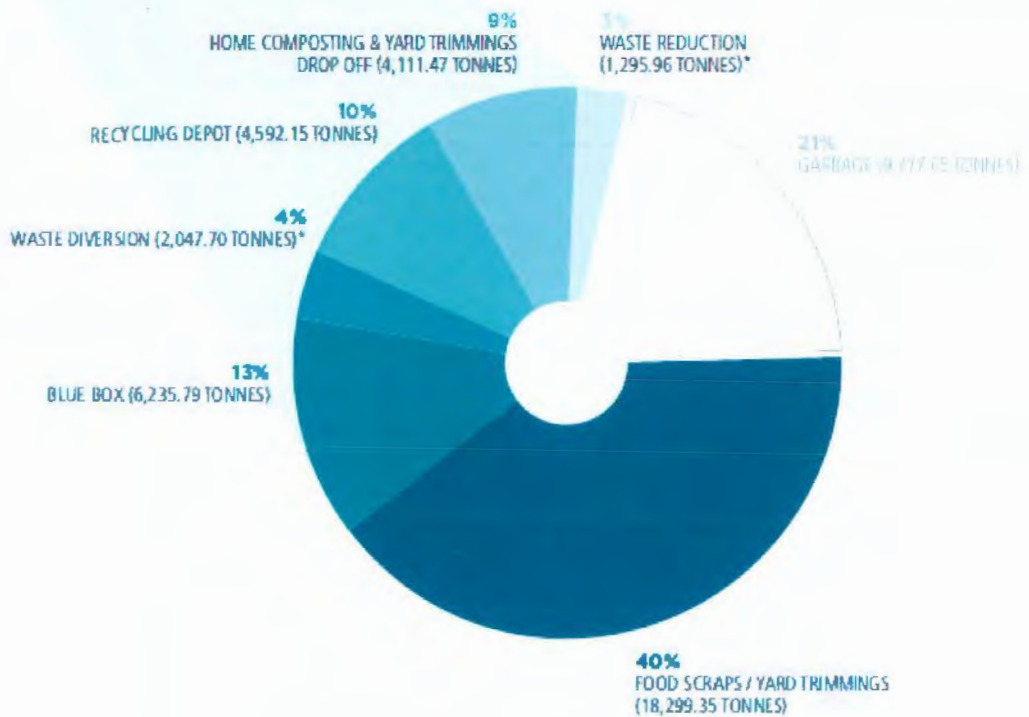


Richmond residents in single-family homes diverted 78.9% of their waste from the landfill in 2019, coming close to the City's 80% waste diversion target.

SINGLE-FAMILY RECYCLING IN 2019



Residents took advantage of a variety of programs to divert 78.9% of their waste from the landfill in 2019.

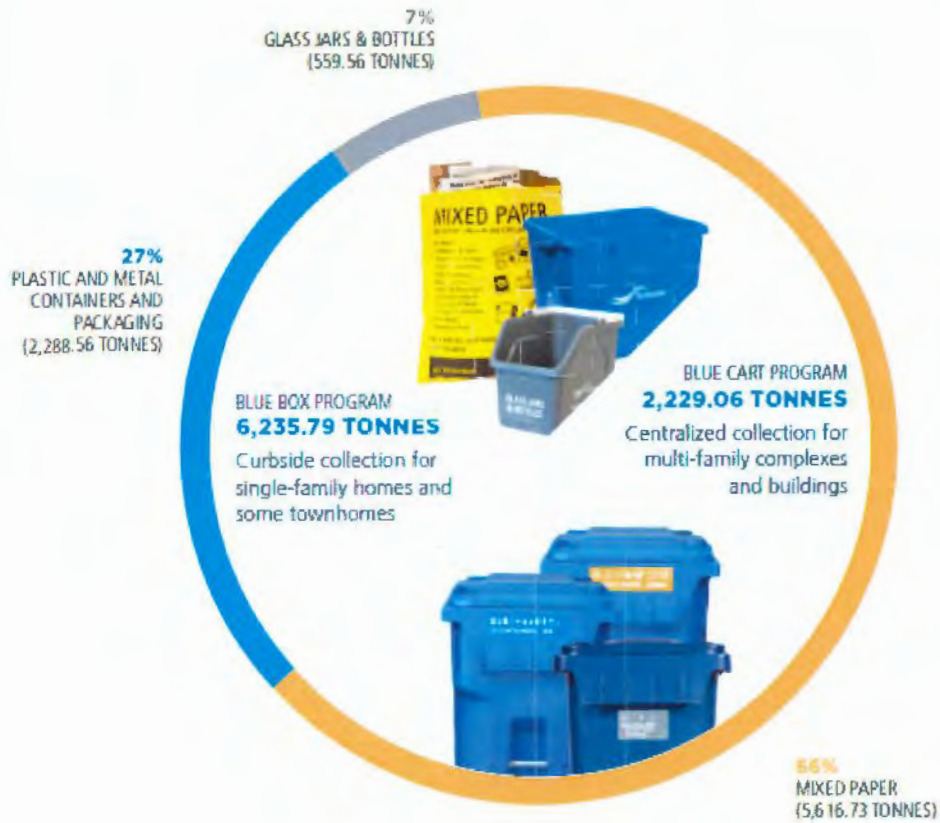


Residents were able to achieve this through a number of recycling and waste reduction opportunities, including curbside and Richmond Recycling Depot collection, as well as composting programs.

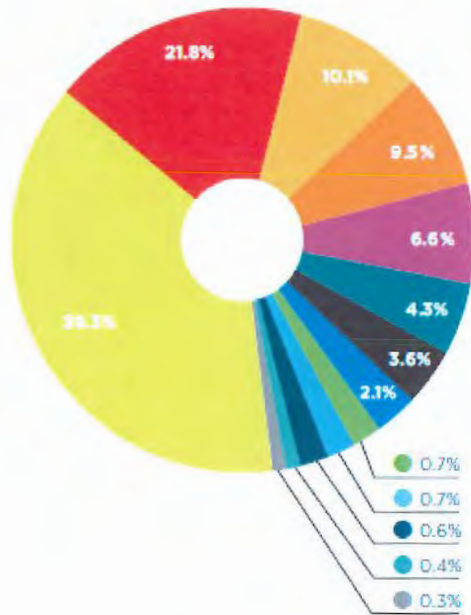
* ESTIMATED

BLUE BOX AND BLUE CART PROGRAMS RECYCLING MIX IN 2019

Through the Blue Box and Blue Cart programs, residents recycled a total of **8,464.85 tonnes** of recyclable materials.



MATERIALS COLLECTED AT THE RICHMOND RECYCLING DEPOT



In 2019, **4,592.15 tonnes** of recyclable materials were collected at the Recycling Depot.

- YARD TRIMMINGS (1,803.13 TONNES)
- SCRAP METAL (1,009.46 TONNES)
- MIXED PAPER/NEWSPRINT (464.58 TONNES)
- PRODUCT STEWARDSHIP (436.76 TONNES)*
- CARDBOARD (300.81 TONNES)
- UPHOLSTERED FURNITURE (196.07 TONNES)
- PLASTIC CONTAINERS (166.32 TONNES)
- MATTRESSES (94.46 TONNES)**
- FLEXIBLE PLASTIC PACKAGING (30.25 TONNES)
- STYROFOAM (30.03 TONNES)
- PLASTIC BAGS (26.64 TONNES)
- GLASS (19.98 TONNES)
- PROPANE/BUTANE (13.66 TONNES)

* Includes tires, electronics, paints, solvents, pesticides, lights, small appliances, batteries, cell phones, smoke and carbon monoxide alarms, and cooking oil.

** Collected via Large Item Pick Up Program, not at Depot.

8,464.85 tonnes

BLUE BOX AND BLUE CART



4,592.15 tonnes

RECYCLING DEPOT

= 13,057 tonnes recycled in 2019



TAKE-BACK PROGRAMS AT THE RICHMOND RECYCLING DEPOT



PAINT
202,176
EQUIVALENT
LITRES



AEROSOLS
3,320 EQUIVALENT
LITRES



**SOLVENTS &
PESTICIDES**
9,728 EQUIVALENT
LITRES



CFLS
479 BOXES



4' TUBES **8' TUBES**
503 BOXES 46 BOXES



ELECTRONICS
148.21 TONNES



**SMALL
APPLIANCES**
4,196.62 TONNES



TIRES
25.82 TONNES



**COOKING
OIL**
12.79 TONNES



**BATTERIES &
CELL PHONES**
12.27 TONNES



**SMOKE &
CO ALARMS**
0.03 TONNES

RESIDENTIAL GREEN CART RECYCLING IN 2019



Residents diverted 20,672.06 tonnes of food scraps and yard trimmings from landfill in 2019 to be composted into new resources.

Richmond's Green Cart program is for residents in single-family homes, townhomes, apartments and condominiums.

In 2019, 4,914.60 tonnes of yard trimmings were collected at the Richmond Recycling Depot and the Ecowaste residential and commercial drop-off service.



LARGE ITEM PICK-UP IN 2019

10,082
REQUESTS
FOR SERVICE



3,558
MATTRESSES &
BOXSPRINGS



394
WASHERS & DRYERS



304
TELEVISIONS



589
FRIGDES & FREEZERS



413
BARBECUES



182
DISHWASHERS

787 TONNES
WERE
COLLECTED

OF THIS, **547** TONNES
WERE
RECYCLED



2,376
COUCHES &
LOVESEATS



1,070
CHAIRS &
RECLINERS



227
STOVES &
MICROWAVES

17,258
ITEMS
COLLECTED

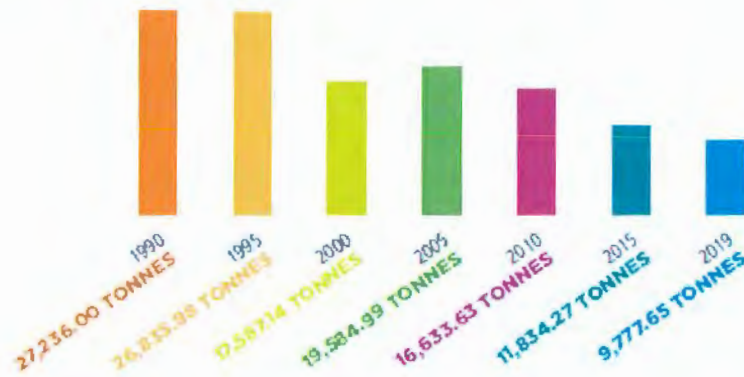
6,505
NON-RECYCLABLE HOUSEHOLD
ITEMS COLLECTED FOR SAFE
HANDLING AND DISPOSAL



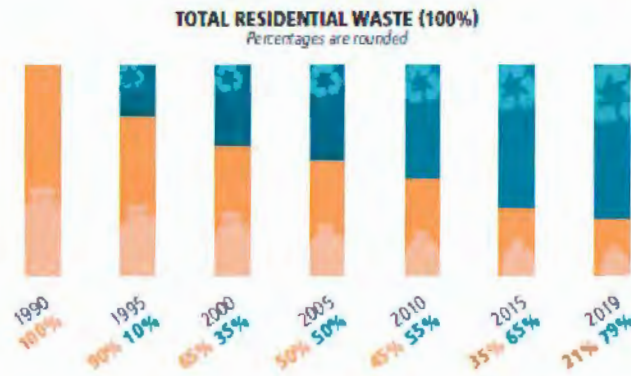
1,640
OTHER RECYCLABLE
ITEMS

FROM GARBAGE DISPOSAL TO DIVERSION

SINGLE-FAMILY HOMES GARBAGE IN TONNES



SINGLE-FAMILY HOMES DIVERSION OVER TIME



% WASTE GOING TO LANDFILL

% WASTE BEING RECYCLED*

* Includes residential recycling and organics collection and drop-off at Richmond Recycling Depot

2.2

Outreach and Customer Service



Statistics in this section are related to our successful outreach and customer service programs, which are designed to turn education and information into action.



ONLINE SEARCH AND TIPS TOOLS



RICHMOND COLLECTION APP - ALL-TIME STATS



2,302
RECYCLING GAMES
PLAYED

7,696
APPS INSTALLED
TO DATE

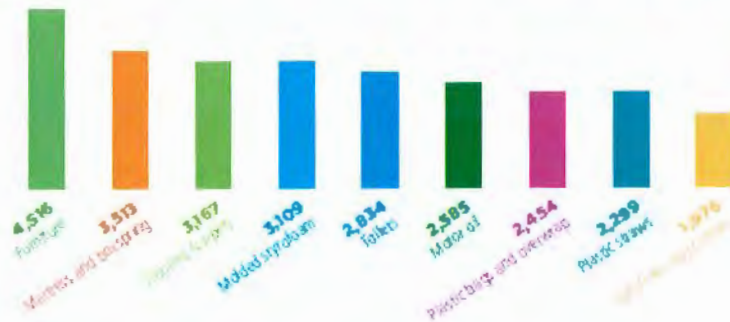
12,912
ACTIVE
REMINDERS

4,416
PDF CALENDAR
DOWNLOADS

59,588
TOTAL ALL-TIME
APP USAGE

77,300
RECYCLING
WIZARD
SEARCHES

TOP MATERIALS SEARCHED ON THE RECYCLING WIZARD - ALL TIME



SCHOOL AND YOUTH ENGAGEMENT

GREEN AMBASSADOR PROGRAM

4,167

HOURS OF YOUTH
VOLUNTEERING & TRAINING

In 2019, 250 youth volunteered in Richmond's Green Ambassador program.



338
ATTENDEES &
50
VOLUNTEERS

The annual **REaDY Summit** engaged 338 elementary students from 10 schools, along with teachers, parents and 50 student leader volunteers.

3,619
HOURS

20 special events were supported by Green Ambassadors, with 3,619 hours.

11 symposiums for training and networking with fellow Green Ambassadors for a total of 548 training hours.

548
HOURS

EVENT RECYCLING

In 2019, the City hosted recycling stations at **82 events** and Green Ambassadors supported **20 events** to help keep recyclable materials out of the garbage at events.

Typically very high diversion rates are achieved at civic events, thanks to the Green Ambassador volunteers. Examples are below.



COMMUNITY ENGAGEMENT

COMMUNITY WORKSHOPS AND TOURS

75
COMMUNITY
WORKSHOPS AND TOURS
OFFERED IN 2019

3,948
PARTICIPANTS

TYPE	NUMBER	PARTICIPANTS
Community Outreach & Information Sessions	31	1,692
Recycling Workshops	32	1,950
Richmond Recycling Depot Tours	12	276
Total	75	3,948

COMMUNITY CLEAN-UP EVENTS

Environmental Programs partnered with Parks in 2019 to support community clean-up events along Richmond's waterfront and in other public spaces throughout Richmond, with an estimated 300 volunteers participating.

26
COMMUNITY
CLEAN-UP
EVENTS



MAKING RECYCLING EASY AND CONVENIENT

3.0

Programs and Services

Richmond residents in single-family homes divert 79% of their waste, and recycling is increasing in townhomes and other multi-family complexes.

To support residents and their commitment to recycling, Richmond continues to expand services to help residents reduce their garbage and create incentives to promote increased recycling. Green Cart and Blue Box/Blue Cart recycling remain core services to help residents recycle. Residents can also drop off a growing list of recyclable items at the Richmond Recycling Depot and other drop-off facilities.

Richmond works with residents, industry partners, product stewardship groups and businesses to achieve its goal to be a Recycling Smart City and implement sustainable waste management. Through partnerships and community engagement, Richmond's commitment to continuous improvement results in enhanced services to benefit residents.

Through its contract with Recycle BC, the City generates revenue to offset recycling costs for residents; however, the City must also adhere to requirements related to the quality of recycling. If banned items are found in the garbage or contamination is found in recycling, the City can be charged fines and other penalties. These requirements are based on the City's Solid Waste and Recycling Regulation Bylaw 6803, contract requirements with Recycle BC and organics processing facilities, and Metro Vancouver disposal bans for items that must be recycled as they are not permitted in the garbage.

3.1

Program and Service Overview

Richmond delivers a wide range of recycling and waste management services for residents to ensure that all waste is managed effectively and efficiently. The following are the key recycling and waste management services offered through the City of Richmond.



BLUE BOX

Weekly curbside collection for paper, newsprint, glass bottles and glass jars, plastic containers, empty aerosol cans, milk cartons, plastic/paper drink cups, spiral wound containers, and tin and aluminium containers. This program is provided to over 40,860 residential units in single-family homes and townhomes. For details, see page 30.



BLUE CART

Weekly recycling collection for paper, newsprint, glass bottles and glass jars, plastic containers, aerosol cans, milk cartons, plastic/paper drink cups, spiral wound containers and tin and aluminium containers. This program is provided to more than 37,980 multi-family units. For details, see page 30.



GREEN CART

Weekly collection for foods scraps and yard trimmings. This program is provided to residents in single-family homes, townhomes and multi-family complexes. For details, see page 36.



RICHMOND RECYCLING DEPOT

Drop-off service for products ranging from yard trimmings and household items, to hazardous materials and take-back program products. This service is available to all residents and in limited quantities for commercial operators. The Recycling Depot also sells backyard compost bins, rain barrels, Garbage Tags and Garbage Disposal Vouchers for use at the Vancouver Landfill. For details, see page 42.



GARBAGE CART

Biweekly curbside collection of garbage, not including banned items such as hazardous waste and materials that can be recycled, is available to residents in single-family homes and some townhomes. Garbage Tags and Garbage Disposal Vouchers for the Vancouver Landfill provide options for residents for disposal of additional garbage. For details, see page 40.



LARGE ITEM PICK UP

Residents with the City Blue Box and/or City Garbage Cart program can arrange for collection of large household items. For details, see page 46.



BACKYARD COMPOSTING

Support for residential composting includes the sale of backyard compost bins and a composting demonstration garden. These services are available to all residents. For details, see page 39.



LITTER COLLECTION

Litter Attendants are on the road seven days a week to inspect or service garbage and recycling bins more than 6,300 times each week throughout the city, collecting additional litter along the way. For details, see page 49.



PUBLIC SPACES AND EVENT RECYCLING

Recycling bins in the community make it easy to recycle on the go, such as in parks, at community centres, in the Steveston business district and at the Canada Line stations and Richmond central bus stops. Richmond supports community events by loaning garbage and recycling bins for local events at no charge. For details see Public Spaces Programs on page 48 and Outreach and Customer Service on page 50.



COMMUNITY AND SCHOOL ENGAGEMENT

Through partnerships with students, teachers and the School District, Richmond delivers educational workshops, awareness programs and volunteer opportunities to increase understanding of recycling and the benefits of reducing waste. For details see Outreach and Customer Service on page 50.



3.2 Blue Box and Blue Cart Programs

Richmond's Blue Box and Blue Cart recycling programs provide convenient collection of a wide variety of materials including mixed paper, plastic containers, milk cartons, paper and plastic drink cups, empty aerosol cans and spiral wound cans like frozen juice concentrate containers as well as glass bottles and glass jars. Approximately 78,800 residential units are serviced with weekly collection under these programs.

Richmond's Blue Box program for door-to-door curbside collection includes a Blue Box for containers, yellow Mixed Paper Recycling Bag for paper and small, flattened cardboard items and a grey Glass Recycling Bin for glass bottles and glass jars. The Blue Cart program for centralized collection has separately labeled carts for containers, mixed paper and glass.

It is important to ensure materials are sorted correctly into the proper recycling receptacles. For example, recyclables must be placed individually in bins – not stacked, nestled or in plastic bags. Glass bottles and jars must be placed in the Glass Recycling Bin/Cart – not the Blue Box or Containers Recycling Cart.

Also, some items are not accepted in the Blue Cart/Blue Box program, such as non-packaging plastics like toys, hangers and laundry baskets, as well as metal items like scissors and pans. These items are accepted at the Richmond Recycling Depot.

CONTAINER RECYCLING: BLUE BOX/CONTAINERS RECYCLING CART



✓ ACCEPTED


- ✓ Empty aerosol cans & caps (food items, air fresheners, shaving cream, deodorant, hairspray)
- ✓ Microwavable bowls, cups & lids
- ✓ Paper food containers & cartons (ice-cream, milk, liquid whipping cream)
- ✓ Paper & plastic drink cups with lids
- ✓ Plastic containers, trays & caps (bakery containers & deli trays)
- ✓ Plastic & paper garden pots & trays
- ✓ Spiral wound paper cans & lids (frozen juice, potato chips, cookie dough, coffee, nuts, baby formula)
- ✓ Aluminium cans & lids
- ✓ Aluminium foil & foil containers (foil wrap, pie plates, food trays)
- ✓ Plastic bottles & caps (food items, condiments such as ketchup, mustard & relish, dish soap, mouthwash, shampoos, conditioners)
- ✓ Plastic jars & lids
- ✓ Plastic tubs & lids (margarine, spreads, dairy products such as yogurt, cottage cheese, sour cream, ice cream)
- ✓ Tin cans & lids

✗ NOT ACCEPTED

- ✗ Aerosol cans with hazardous materials (spray paint)*
- ✗ Butane cylinders*
- ✗ Ceramic plant pots
- ✗ Compostable/biodegradable plastic bags & containers
- ✗ Containers for motor oil, vehicle lubricant or wax products*
- ✗ Foil-lined cardboard lids from take-out containers
- ✗ Garden hoses
- ✗ Plastic bags & overwrap*
- ✗ Plastic string or rope
- ✗ Propane tanks*
- ✗ Styrofoam materials*

* Take to the Richmond Recycling Depot



-  Place materials separately in the bins – don't put recyclables into plastic bags. Bagged items will go in the garbage.
-  Avoid stacking or nestling items together, instead place them separately in the bins. For example, don't nestle an aluminium can inside a plastic container.
-  Empty, rinse and flatten containers. Food or other materials in the containers contaminate the recycling. Remove lids and recycle separately.
-  Separate glass jars and glass bottles and recycle in the grey Glass Recycling Bin or Glass Recycling Cart.



PAPER PRODUCTS: MIXED PAPER RECYCLING BAG/CART



✓ ACCEPTED

- ✓ Newspapers, inserts & flyers
- ✓ Flattened cardboard boxes
- ✓ Catalogues & magazines
- ✓ Cereal boxes
- ✓ Clean pizza boxes
- ✓ Corrugated cardboard (small pieces)
- ✓ Envelopes
- ✓ Junk mail

- ✓ Paper bags
- ✓ Paper egg cartons
- ✓ Paper gift wrap & greeting cards
- ✓ Telephone books
- ✓ Shredded paper (place inside a paper bag to avoid scattering)
- ✓ Writing paper (notepads, loose leaf paper, white or coloured paper, printed paper)

✗ NOT ACCEPTED

- ✗ Cardboard boxes with wax coating
- ✗ Plastic bags used to cover newspapers/flyers
- ✗ Metallic wrapping paper
- ✗ Ribbons or bows

- ✗ Musical greeting cards with batteries
- ✗ Padded envelopes
- ✗ Plastic or foil candy wrappers



Remove plastic liners/covers and/or any food residue.



Put shredded paper in a paper bag before placing in the Mixed Paper Recycling Bag/Cart to avoid scattering.



Cut cardboard into small pieces and flatten boxes to take up less space in the Mixed Paper Recycling Bag/Cart and in the collection truck.



Oversized/excessive amounts of cardboard can be dropped off at the Richmond Recycling Depot.

GLASS JARS & GLASS BOTTLES: GLASS RECYCLING BIN/CART



✓ ACCEPTED

- ✓ Clear or coloured glass bottles and glass jars (pickle jars, jam jars, spaghetti sauce jars, soy sauce bottles)



✗ NOT ACCEPTED

- ✗ Glasses, dishes, cookware, window glass and mirrors
- ✗ Ceramic products
- ✗ Lids and caps (remove from the glass bottle/jar and place in Blue Box/Containers Recycling Cart)



Remove plastic and metal lids and recycle separately in the Blue Box/Containers Recycling Cart.



Empty and rinse jars and bottles. Make sure no food is left inside because it contaminates the recycling.



Set Out Time

Before 7:30 a.m. every week on collection day.

Note: For centralized Blue Cart service, the collection details are arranged between the City and the Strata Council or Property Manager. Residents do not have to set the Blue Carts out for collection.



Report a Missed Collection

Call 604-276-4010 or email garbageandrecycling@richmond.ca.



How to Get More Free Recycling Supplies

- Supplies include:
- Blue Boxes
 - Glass Recycling Bins
 - Indoor Collection Bags
 - Mixed Paper Recycling Bags

Richmond Recycling Depot
5555 Lynas Lane
Tuesday to Sunday (Closed on Mondays and Statutory Holidays)
9:00 a.m. to 6:15 p.m.

- Three ways to order supplies:
1. Pick up at Richmond Recycling Depot
 2. Call 604-276-4010
 3. Order online at www.richmond.ca/recyclesearch



It's important to think of recycling as a commodity to sell – not waste.

LET'S RECYCLE CORRECTLY!

Richmond's awareness and audit campaign – Let's Recycle Correctly! – is designed to inform residents about how to keep recyclables out of the garbage and improve the quality of their recycling.

It continues to be critical to generate quality recycling as China, the world's largest purchaser of recycled materials, is setting high standards for recycling quality under its National Sword campaign and will not purchase contaminated recycling. As well, the City is subject to fines and other penalties when contamination is found in recycling, which increases taxpayer costs.

The City's Let's Recycle Correctly! campaign began in 2017 and continued in 2019 with a goal to help increase awareness about how to sort recycling correctly and reduce contamination. The campaign includes information kits for residents, as well as advertising, social media, promotion of the City's Recycling Wizard and other outreach. In 2019, City recycling teams conducted audits of Blue Box and Green Cart recycling, as well as Garbage Carts, throughout the community and worked with residents to help them keep recyclable materials out of the garbage and improve the quality of their recycling.

AVOIDING CONTAMINATION: WHAT TO WATCH FOR



TYPES OF CONTAMINATION	HOW TO RECYCLE CORRECTLY
Glass bottles and glass jars are placed incorrectly in the Blue Box or Containers Recycling Cart	Recycle in grey Glass Recycling Bin or Glass Recycling Cart.
Recyclable items that are not accepted in Blue Box / Blue Cart (Styrofoam, plastic bags, paints and solvents, batteries and cell phones, a non-packaging plastics like toys and coat hangers)	Drop off at Richmond Recycling Depot – 5555 Lynas Lane.
Non-recyclable plastic (Straws and plastic cutlery)	These are not recyclable. Please put in the garbage.
Containers with food residue	Remove food and rinse before placing in Blue Box or Containers Recycling Cart.
Propane tanks and butane cylinders	Drop off at Richmond Recycling Depot – 5555 Lynas Lane.
Electronics	Drop off at Richmond Recycling Depot – 5555 Lynas Lane.

Do you know where it goes?

Non-packaging plastics like toys and coat hangers are **not accepted** in your Blue Box or Blue Cart, but can be taken to Richmond Recycling Depot.





3.3 Green Cart Program

Food scraps are banned from the garbage, which means they must be recycled or composted, and the City can be charged fines and other penalties when organics are found in the garbage. With the Green Cart program, all Richmond residents have access to food scraps recycling and when recycling with a Green Cart, residents are helping turn food scraps and yard trimmings into compost for nutrient-rich soil.

It is important to ensure that only food scraps, food soiled paper, and yard and garden trimmings go in the Green Cart. When items like plastic bags, Styrofoam or biodegradable/compostable bags are found in the Green Cart, the load is considered contaminated as these materials are not accepted at processing facilities because they compromise the quality of the compost.

Residents can also create their own compost at home to keep these organic materials out of landfills. Residents can purchase a backyard compost bin at the Richmond Recycling Depot.

GREEN CART FOR FOOD SCRAPS & YARD TRIMMINGS



✓ ACCEPTED

FOOD SCRAPS & FOOD SOILED PAPER

- ✓ Breads, pasta, rice & noodles
- ✓ Coffee grounds & filters
- ✓ Dairy products
- ✓ Fruit
- ✓ Eggshells
- ✓ Meat, poultry, fish, shellfish & bones
- ✓ Paper towels, napkins & plates
- ✓ Pizza delivery boxes
- ✓ Small amounts of grease/oil absorbed into paper towel
- ✓ Solid grease
- ✓ Table scraps & food scrapings
- ✓ Tea bags
- ✓ Vegetables

YARD TRIMMINGS

- ✓ Flowers
- ✓ Leaves
- ✓ Grass clippings
- ✓ Other organic yard materials
- ✓ Plants (living or dead/dried)
- ✓ Plant trimmings
- ✓ Tree & hedge prunings

✗ NOT ACCEPTED

- | | |
|---|---|
| <ul style="list-style-type: none"> ✗ Coffee cups ✗ Compostable and biodegradable plastic bags ✗ Styrofoam cups, meat trays or takeout containers ✗ Garden hoses or flower pots ✗ Liquid grease ✗ Lumber | <ul style="list-style-type: none"> ✗ Pet feces or kitty litter ✗ Plastic bags and plastic overwrap ✗ Plastic wraps ✗ Prunings over 4 inches (10 cm) in diameter ✗ Rocks, dirt or sod |
|---|---|



-  Collect food scraps in your kitchen container. Wrap food scraps in small amounts of newspaper or used paper towel before adding to kitchen container.
-  Sprinkle kitchen container with baking soda to reduce odours and consider freezing food scraps until you're ready to empty them into the Green Cart.
-  Keep kitchen container clean by lining it with a few sheets of newspaper, a paper bag liner or used paper towel.
-  Empty materials from your kitchen container into your Green Cart.
-  Place yard trimmings into Green Cart along with your food scraps. Extra yard trimmings can go in large paper bags or additional labelled Green Cans.



MULTIPLE GREEN CART SIZES AVAILABLE

Richmond provides Green Carts in multiple sizes to meet resident's recycling needs. Residents can exchange their Green Cart for a different size by contacting the Environmental Programs Information Line at 604-276-4010 or email garbageandrecycling@richmond.ca. There is a \$25 fee for cart exchanges.

SINGLE-FAMILY HOMES CART SIZE SELECTION



Extra Large
360 litres
D 34.5 x W 25 x
H 44.5 inches

STANDARD

Large
240 litres
D 27.5 x W 24.5 x
H 43 inches

Medium
120 litres
D 21 x W 19 x
H 37.5 inches

Small
80 litres
D 21.5 x W 16 x
H 34.5 inches

TOWNHOMES CART SIZE SELECTION



Small
80 litres
D 21.5 x W 16 x
H 34.5 inches

STANDARD

Compact
46.5 litres
D 12 x W 11 x
H 27 inches

YARD TRIMMINGS DROP-OFF

Richmond residents and commercial landscapers can drop off yard trimmings at the following locations.

Ecowaste Industries

15111 Triangle Road
Commercial operators can be pre-approved for dropping off materials at no charge when they are servicing residential properties with Richmond Green Cart service.

Visit www.ecowaste.com or call 604-277-1410 for detailed information.

City Recycling Depot

5555 Lynas Lane
Tuesday to Sunday (Closed on Mondays and Statutory Holidays)
9:00 a.m. to 6:15 p.m.

There is no charge for dropping off amounts less than one cubic yard (a car, station wagon or minivan load). Large loads are charged a fee of \$20 per cubic yard. Commercial operators will be charged a fee of \$20 per cubic yard at the Richmond Recycling Depot.



BACKYARD COMPOSTING PROGRAMS

Backyard Compost Bins: Backyard compost bins are available for sale at the Richmond Recycling Depot for \$25 plus tax.

Demonstration Garden: To help residents learn about composting, the City hosts a Compost Demonstration area in the Terra Noval Rural Park located at 2631 Westminster Highway just west of No. 1 Road. It is open from dawn to dusk year-round.

Compost Hotline: For tips call 604-736-2250 or email composthotline@telus.net.



Set Out Time

Before 7:30 a.m. every week on collection day.

Note: For centralized Green Cart service, the collection details are arranged between the City and the Strata Council or Property Manager. Residents do not have to set the carts out for pick up.



Report a Missed Collection or Damaged Green Cart

Call 604-276-4010 or email garbageandrecycling@richmond.ca.



How to Exchange your Green Cart

Various cart sizes are on display at the Richmond Recycling Depot. Please note there is a \$25 charge to exchange your cart. To change to an alternative size please contact:

Environmental Programs
604-276-4010



New/Replacement Kitchen Containers

Three ways to get a kitchen container:

1. Pick up at Richmond Recycling Depot
2. Call 604-276-4010
3. Order online at www.richmond.ca/recyclesearch



3.4 Garbage Cart Program

Richmond's curbside Garbage Cart program provides residents with convenient options for waste disposal. Household garbage is collected biweekly. The Garbage Cart program includes City-provided carts with wheels and lids and is designed to lower costs for residents who are reducing their garbage by recycling their household waste.

Most household items are recyclable. Residents are encouraged to think twice before putting items in the garbage to help keep recyclables out of the landfill.

It's important to secure or wrap loose garbage to prevent materials from being scattered by wind or animals. Garbage must be securely packed in plastic bags. This includes ashes, kitty litter, disposable diapers, vacuum cleaner sweepings and other loose household garbage.

All garbage must be placed at curbside before 7:30 a.m. on collection day but no earlier than 8:00 p.m. the day before. Do not place receptacles or other items on the road.

Residents are responsible for cleaning up any loose materials that have been scattered over the ground by animals, wind or vandalism.



EXTRA ITEM DISPOSAL OPTIONS

\$2 Garbage Tags

Garbage Tags for curbside collection are available for purchase at all City facilities. One Garbage Tag is good for an additional garbage bag or can.

Garbage Disposal Vouchers

Richmond residents may purchase a Garbage Disposal Voucher for \$5 at all City facilities. These vouchers are good for up to \$25 at the Vancouver Landfill, and are valid anytime. They are limited to one per household.

Visit www.richmond.ca/garbage for a list of City facilities selling Garbage Tags and Garbage Disposal Vouchers.

GARBAGE CART SIZE OPTIONS

Residents who select smaller cart sizes are generating less garbage and as a result, pay less for their annual garbage collection.

Residents can exchange their cart for a different size, and their garbage collection fees are adjusted according to the size selected. Residents can exchange their Garbage Cart for a different size for \$25 by calling 604-276-4010.



EXTRA LARGE
360 litres
D 34.5 x W 25 x H 44.5 in



LARGE
240 litres
D 27.5 x W 24.5 x H 43 in
Standard size for
single-family homes



MEDIUM
120 litres
D 21.5 x W 19 x H 37.5 in
Standard size
for townhomes



SMALL
80 litres
D 20 x W 16 x H 34.5 in



3.5 Richmond Recycling Depot

The Richmond Recycling Depot is located at 5555 Lynas Lane and is open from 9:00 a.m. – 6:15 p.m., Tuesday to Sunday for drop off of a broad range of materials.

The Recycling Depot is owned and operated by the City of Richmond, with two full-time staff and additional staff support in the summer months to manage increased recycling volumes. Staff on site are available to answer questions and provide assistance with unloading awkward or heavy items.

The City continues to increase the number of items accepted at the Recycling Depot to make it a convenient, one-stop drop-off location for multiple items. Richmond residents can drop off a wide range of recyclable materials at no charge.



RECYCLING DEPOT SERVICES

Residents are encouraged to use the curbside recyclables collection for glass bottles and glass jars, rigid plastic containers, newsprint and mixed paper. Businesses are encouraged to subscribe to onsite collection services if a large quantity of recyclables is produced. However, residents and small business operators can drop off one cubic yard of recyclables and three large appliances at the Depot per day.

This facility accepts a wide range of materials including cardboard, yard and garden trimmings, mixed paper and newspapers, as well as Styrofoam, used books, cell phones, household batteries and plastic bags. The facility also accepts large appliances (e.g. fridges, stoves, washing machines) and metal items (e.g. bike frames, barbecues, lawn mowers). The facility is also a product stewardship (take back) collection site for small appliances, paints, solvents, flammable liquids, pesticides, lights and lighting fixtures, tires, electronics, and smoke and carbon monoxide alarms.



Richmond Recycling Depot
5555 Lynas Lane
Tuesday to Sunday, 9:00 a.m. to 6:15 p.m.



For Sale at the Recycling Depot

- Compost bins - \$25 each + GST
- Rain barrels - \$30 each + GST
- Extra Garbage Tags - \$2 each
- Garbage Disposal Vouchers - \$5 for Richmond residents and value is up to \$25 at the Vancouver Landfill

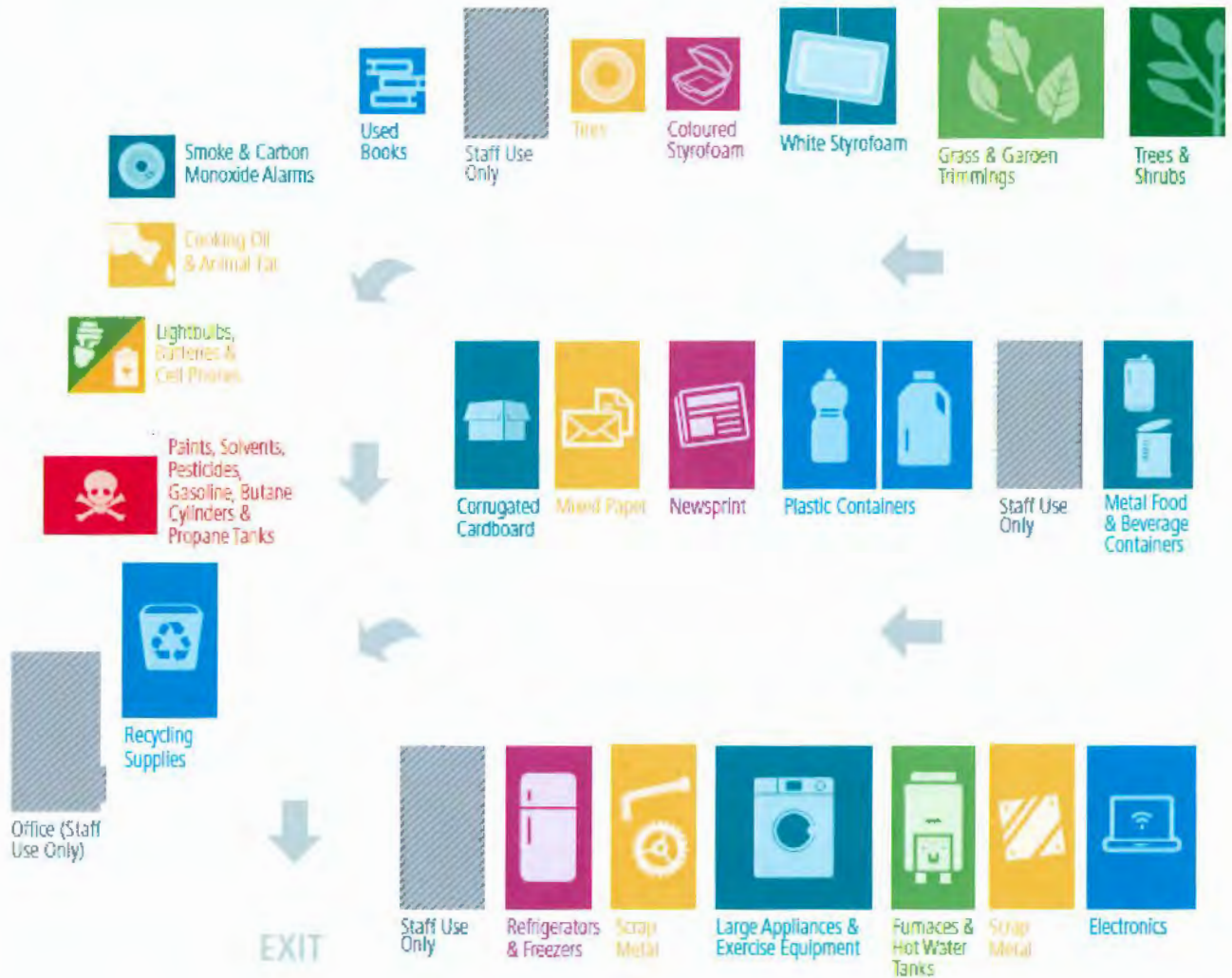


Free Recycling Supplies Available at the Recycling Depot

- Kitchen Containers
- Grey Glass Recycling Bins
- Blue Boxes
- Yellow Mixed Paper Recycling Bags
- Indoor Collection Bags

Welcome to the Richmond Recycling Depot!

Please see attendants for assistance with recycling supplies such as Blue Boxes, and for recycling hazardous materials such as paints, solvents, pesticides, gasoline, motor oil and antifreeze.





MATERIALS ACCEPTED

- ✓ Aerosol and spiral wound cans
- ✓ Aluminium materials
- ✓ Appliances
- ✓ Batteries (small household batteries less than 5 kg)
- ✓ Books
- ✓ Butane cylinders
- ✓ Cell phones (including batteries)
- ✓ Cooking oil and animal fat
- ✓ Corrugated cardboard (flattened, clean corrugated boxes)
- ✓ Electronics
- ✓ Exercise and hobby machines
- ✓ Flammable aerosols
- ✓ Flammable liquids
- ✓ Flexible plastic packaging
- ✓ Flower pots (paper & plastic pots/trays)
- ✓ Gasoline (in approved ULC containers)
- ✓ Glass bottles/jars (clear & coloured)
- ✓ Lights
- ✓ Lighting fixtures
- ✓ Magazines
- ✓ Metal items
- ✓ Mixed paper
- ✓ Motor oil and antifreeze
- ✓ Newspaper
- ✓ Paints (household paints)
- ✓ Paint aerosols
- ✓ Pesticides (domestic pesticides)
- ✓ Plastic containers
- ✓ Plastic grocery bags & plastic overwrap
- ✓ Power tools
- ✓ Propane tanks
- ✓ Sewing, knitting and textile machines
- ✓ Smoke and carbon monoxide alarms
- ✓ Styrofoam packaging
- ✓ Tin and aluminium cans
- ✓ Tires (passenger & light-duty trucks only)
- ✓ Upholstered furniture
- ✓ Yard and garden trimmings

All materials must be sorted into different containers at the Recycling Depot. Please visit www.richmond.ca/depot for details.



3.6

Large Item Pick Up Program

Richmond's Large Item Pick Up program provides a convenient curbside collection service for up to six large household items per year, including mattresses, furniture and appliances. This program is designed to make it more convenient for residents to dispose of large household items and to help reduce illegal dumping. As well, through this program, large household items that can be recycled will be diverted from the landfill, which will help Richmond achieve its goal for 80% waste diversion.

The Large Item Pick Up program is provided to residents in single-family homes, as well as townhomes and multi-family complexes with the City's Garbage Cart and/or Blue Box program.

This service makes it easier for residents who do not have access to a vehicle to dispose of large items.

HOW THE PROGRAM WORKS

- 1** To schedule collection of up to six items per year, residents can contact the City's service provider, Sierra Waste Services at 604-270-4722 or schedule online at www.richmond.ca/largeitem.
- 2** Sierra Waste Services will contact you to provide a pick up date and confirmation number.
- 3** On your scheduled pick up date only, place items at the curb or for multi-family complexes, in the area designated by the strata or property manager, before 7:30 a.m. or no earlier than 8:00 p.m. the night before.



LARGE ITEM PICK UP PROGRAM

✓ ACCEPTED

- ✓ Appliances
- ✓ Barbecues (remove propane tank and/or lava rock briquettes)
- ✓ Bed frame
- ✓ Electric lawnmowers
- ✓ Furniture
- ✓ Headboard
- ✓ Outdoor furniture
- ✓ Small household goods, which must be in boxes or bundled and are a reasonable size (one box or bundle is equal to one of the resident's six allotted items)
- ✓ Weight training and exercise equipment
- ✓ Mattresses or boxsprings – please cover your mattress with a plastic bag
- ✓ Tires (car and light-duty truck)

✗ NOT ACCEPTED

- ✗ Car bodies or parts
- ✗ Carpets
- ✗ Construction materials
- ✗ Drywall
- ✗ Gas lawnmowers
- ✗ Hazardous waste
- ✗ Lumber, demolition or home renovation materials
- ✗ Pianos
- ✗ Propane tanks*
- ✗ Tree stumps

Note: Items that contain any hazardous liquids such as gas, oil, etc. will not be accepted. See page 56-61 for disposal locations or call the RCBC Recycling Hotline at 604-737-9253.

* Take to Richmond Recycling Depot, 5555 Iynas Lane

SAFETY CONSIDERATIONS

- ✓ Wrap mattresses and upholstered furniture in plastic or reusable tarp and secure them to prevent these items from getting wet or waterlogged. Wet mattresses and furniture pose safety hazards for lifting and are not accepted at the processing facility. Tarps will be left behind for re-use.
 - ✓ Remove latch/door from freezers, refrigerators or any other container equipped with a door, latch or locking device.
- Note: The item(s) must be able to be safely handled from the curbside in order to qualify for collection.



3.7 Public Spaces Programs

Maintaining a litter-free community and encouraging recycling in parks and other public spaces is an essential part of responsible and sustainable waste management. Not only does this help to keep the City a beautiful place to live and visit, it also helps to reduce the amount of plastic and other garbage going into oceans and other waterways.

The City has three primary services to support recycling and a litter-free community: Public Spaces services, Litter Collection services and Special Event Recycling.

Because building community pride and increasing responsible behaviours involves working together with the community, the City also works with volunteers through the Partners for Beautification program and community clean up events.



PUBLIC SPACES SERVICES

The City of Richmond has recycling and garbage bins located throughout the community in public spaces that include parks and business districts. Recycling and garbage bins are serviced or inspected over 6,300 times each week.

The City's bins include instructional bin labels to help inform people about how to sort items correctly. Many of the recycling bins feature images that complement the surrounding scenery, and others feature custom artwork by local artists. To further improve capacity and operational efficiency, the City also has large in-ground garbage collection bins in high traffic areas.

LITTER COLLECTION SERVICES

Maintaining a litter-free city is a key focus area to ensure residents can enjoy clean parks and public spaces. The City of Richmond has made efforts to ensure that there are garbage bins, and in many cases recycling options, in public spaces throughout the city.

In addition, City crews work seven days a week to collect litter from parks, school grounds, roadsides, sidewalks and boulevards.

They inspect or service garbage and recycling from litter and recycling receptacles in the community 27,454 times every month. Crews also assist with removing graffiti from City garbage bins, and they collect illegally-dumped materials found on City property and provide safe disposal and recycling of these items. Together, these measures help to support a safe and appealing community.

SPECIAL EVENT RECYCLING

Recycling stations are recommended for special event bookings taking place in Richmond. For some events, the City hosts recycling stations with assistance from the Green Ambassador volunteers. This involves setting up recycling stations and having recycling assistants at the event to advise people on how to recycle.

The City also supports events by providing organizers with recycling bins and garbage carts at no charge, as well as complimentary collection services. This makes it easy for event organizers to keep the venue clean and recyclables out of the landfill.

In addition, the City participates in community clean up events each year.



3.8 Outreach and Customer Service

Richmond's successful outreach and customer service programs are designed to help turn information and education into action. By working with children and youth through school programs and the Green Ambassadors, Richmond creates a learning environment where students gain a better understanding about recycling and sustainable waste management, and then apply their skills as volunteers and through school activities. Providing outreach, customer support services and information materials also assists residents by increasing their understanding of how to recycle correctly along with new tools and services to promote recycling at home and on the go.

The Environmental Programs Information Line staff assist customers on the phone, via email and at community events to answer questions, assist with requests relating to garbage and recycling, and provide guidance on where to go for additional information and resources. Richmond also assists customers directly at the Recycling Depot, and through its outreach programs in the community.

At the Recycling Depot, staff provide assistance with where and how to recycle using its drop-off options, answer questions about City programs and services and sell products such as compost bins and rain barrels as well as Garbage Tags and Garbage Disposal Vouchers. Through outreach, Richmond goes into the community to connect with residents to share information and respond to questions.



SEARCH & TIPS TOOLS

Richmond offers the Recycling Wizard to help residents search for where to recycle household items. The Recycling Wizard is available online at www.richmond.ca/recyclesearch and in the Richmond Collection Schedule app, free from the Apple and Android app stores.

STUDENT OUTREACH

Richmond sponsors programs, contests and other activities for local students to raise awareness about the importance of reducing waste and how to recycle correctly. These activities inspire them to feel that taking care of the planet is fun.

RICHMOND GREEN AMBASSADORS

Richmond's Green Ambassadors are dedicated high school students who participate in monthly symposiums to learn about environmental sustainability and apply what they have learned as volunteers at City events and activities. These energetic and environmentally conscious individuals also manage green initiatives in their schools, including an annual REaDY Summit (Richmond Earth Day Youth Summit).

COMMUNITY WORKSHOPS

Richmond's free community workshops provide education and tips that support recycling and waste reduction techniques. A summary of workshops that focus on helping residents towards the City's goal for 80% waste diversion is provided below.

For information on the workshops, call the Environmental Programs Information Line at 604-276-4010, email garbageandrecycling@richmond.ca, or visit the Community Outreach section at www.richmond.ca/recycle.

TYPE OF WORKSHOP	DESCRIPTION
Recycling Workshops	Learn how to reduce reliance on single-use items and sort household recyclables properly to reduce contamination. Understand the recycling process and the importance recycling has on the environment, including the impact of marine plastic and other hot topics in solid waste management.
Richmond Recycling Depot Tours	Interactive tour of the Richmond Recycling Depot designed to teach residents about the drop-off options available and materials accepted for recycling.



PARTNERING TO INCREASE RECYCLING OPTIONS

4.0

Tips and Resources

In Richmond, we care about our community, and we are working together to trim our waste. The City works with residents and community partners to make it easy and convenient to recycle at home and on the go. It's all about making recycling a way of life.

This at-a-glance resource on the various types of recycling programs and services available through the City of Richmond is a valuable guide to support being recycling smart in Richmond.

The Tips and Resources include highlights such as how and where to recycle, what to do with hazardous waste and where to find additional information.

Resources also include contact information and locations for Richmond services and community partners involved in take-back collection through product stewardship programs. Together these Tips and Resources help to support maximum recycling with minimum contamination in the waste going to the landfill.





4.1

Community Resources and Partnerships

ECOWASTE INDUSTRIES

The City offers residents the option to drop off unlimited quantities of yard and garden trimmings for free at Ecowaste Industries. Proof of Richmond residency is required.

Ecowaste Industries:
15111 Triangle Road
Hours of operation and instructions:
604-277-1410
www.ecowaste.com

COMPOST HOTLINE

The Compost Hotline is a community program operated by City Farmer that provides support and tips for best practices in home composting.

Compost Hotline:
604-736-2250
composthotline@telus.net

RICHMOND SHARES

Richmond Shares is a non-profit organization that facilitates the exchange of gently used items.

Richmond Shares: www.richmondshares.bc.ca

METRO VANCOUVER RECYCLES

Metro Vancouver Recycles helps you find options for recycling products and get helpful links to online services.

Metro Vancouver Recycling Directory:
www.metrovancouverrecycles.org

RECYCLING COUNCIL OF BRITISH COLUMBIA (RCBC)

RCBC provides information and resources to support recycling in the community.

Recycling Hotline
Monday to Friday, 9 a.m. to 4 p.m.
604-RECYCLE (604-732-9253)
hotline@rcbc.bc.ca



Download the free Richmond Collection Schedule App or use the Recycling Wizard at www.richmond.ca/recyclesearch

You can find drop-off locations and how to recycle a variety of household items using the Recycling Wizard on the free Richmond Collection Schedule App available at the Apple and Android app stores. Plus, the app sends you weekly collection day reminders!

The Recycling Wizard is also available online at www.richmond.ca/recyclesearch.



4.2

Banned and Hazardous Materials

Careless handling of hazardous products can cause serious injury as well as damage to the environment. Hazardous products that are dumped in sewers or green spaces can injure livestock, wildlife and plant life. Careful and often specialized disposal is essential for these materials.

There are certain materials that Metro Vancouver disposal facilities do not accept, either because there are already disposal programs set up for these items, or because they are hazardous to waste collection workers, the public and the environment.

At disposal sites, garbage loads are inspected for banned and prohibited materials. Loads that arrive at the disposal sites containing prohibited materials are assessed a \$65 minimum surcharge, plus the cost of removal, clean-up or remediation. Loads containing banned materials are assessed a 50% tipping fee surcharge.

For a list of drop-off locations, use the City's Recycling Wizard available on the Richmond Collection Schedule app and at www.richmond.ca/recyclesearch, or call the RCBC Recycling Hotline at 604-732-9253.

BANNED HAZARDOUS AND OPERATIONAL IMPACT MATERIALS



- x Agricultural waste
- x Asbestos
- x Automobile parts and bodies
- x Barrels, drums, pails or large (205 litre or greater) liquid containers, full or empty
- x Biomedical waste
- x Dead animals
- x Gypsum
- x Hazardous waste
- x Inert fill material including soil, sod, gravel, concrete and asphalt exceeding 0.5 cubic metres per load
- x Liquids or sludge
- x Refuse that is on fire, smouldering, flammable or explosive
- x Wire and cable exceeding 1% of load

BANNED MATERIALS THAT ARE RECYCLABLE WITH CITY SERVICES



- x Beverage containers
- x Containers made of glass, metal or banned recycled plastic
- x Corrugated cardboard
- x Electronics
- x Expanded polystyrene packaging
- x Food waste
- x Green waste
- x Mattresses
- x Motor oil & antifreeze
- x Propane tanks
- x Recyclable paper
- x Tires (passenger & light-duty truck only)

For a complete list of banned materials, please visit www.metrovancouver.org/services/solid-waste/recycling-programs/disposal-ban

4.3 Recycling and Disposal Directory

Many common hazardous household and automotive products must be recycled or disposed through special depots. Disposal sites and take-back collection options for hazardous, banned and other materials are listed on the following pages.

Please note that this information is provided as a reference for your convenience; however, it is not guaranteed. Please call first to confirm that the site is still open to accept these take-back products and to check hours of operation.

Watch for the **BLUE** listings for items recyclable through the City of Richmond

-  **Disposal Ban** – Banned from the landfill and recyclable through retailers, stewardship or take-back programs
-  **Disposal Ban** – Banned from the landfill and recyclable through the City and other services
-  **Not Banned** – Recyclable through the City and other services
-  **Not Banned** – Recycling options are available
-  **A fee is charged**

See Programs and Services starting on page 27 to find out what is accepted through the City's collection and drop-off services.



ANTIFREEZE AND EMPTY CONTAINERS	
DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Jiffy Lube 10991 No. 4 Road	604-448-0142
List of accepted items: bcusedoll.com or 604-732-9253.	



APPLIANCES – SMALL	
DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Best Buy 700-5300 No. 3 Road	604-273-7335
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
OK Bottle Depot 145-5751 Cedarbridge Way	604-244-0008
Regional Recycling 13300 Vulcan Way	1-855-701-7171
Richmond Return-It Depot 135 - 8171 Westminister Hwy	604-232-5555
List of accepted items: electrorecycle.ca or 604-732-9253.	



BABY CAR SEATS	
DROP-OFF LOCATION	PHONE
 City of Vancouver Landfill 5400 72nd Street, Delta	604-873-7000
Pacific Mobile Depots (third Saturday of every month) Britannia Community Centre, 1661 Napier Street, Vancouver	604-718-5800
 Queensborough Landing Return-It Depot Unit A - 409 Boyne Road, New Westminster	604-540-4467



BATTERIES – AUTOMOTIVE	
DROP-OFF LOCATION	PHONE
Canadian Tire 3500 No. 3 Road 11388 Steveston Highway	604-273-2939 604-271-6651
Kal Tire 2633 No. 5 Road	604-278-9181
RME Energy Ltd. 115-6260 Graybar Road	604-241-4470
Regional Recycling 13300 Vulcan Way	1-855-701-7171
Note: All retailers accept a used battery for each one purchased. Collection sites: www.recyclemybattery.ca	



BATTERIES – HOUSEHOLD AND MOBILE PHONES

Batteries weighing 5kg or less

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Best Buy 700-5300 No. 3 Road	604-273-7335
Dr. Battery 102-4460 Jacombs Road	604-273-8248
Home Depot (batteries only) 2700 Sweden Way	604-303-9882
London Drugs 5971 No. 3 Road	604-448-4811
3080 - 11666 Steveston Highway	604-448-4852
Pharmasave 116 - 10151 No. 3 Road	604-241-2898
Regional Recycling 13300 Vulcan Way	1-855-701-7171
Rona 7111 Elmbridge Way	604-273-4606
Staples 8171 Ackroyd Road	604-270-9599
110 - 2780 Sweden Way	604-303-7850

Batteries accepted: call2recycle.ca or 1-888-224-9764

Mobile phone drop-off sites: call2recycle.ca/locator

All cellular/mobile phone stores accept used cellular/mobile phones for refurbishing or recycling

To erase data from your device, use the free Cell Phone Data Erasers at recyclemycell.ca/recycling-your-device



BUTANE CYLINDERS

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010

CARBON MONOXIDE (CO), SMOKE AND COMBINATION SMOKE & CO ALARMS

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
London Drugs (smoke detectors only) 5971 No. 3 Road	604-448-4811
3200 - 11666 Steveston Highway	604-448-4852
Regional Recycling 13300 Vulcan Way	1-855-701-7171

Complete list of alarms accepted: regeneration.ca or 604-732-9253.



ELECTRONICS: Audio visual equipment, computers, monitors, televisions, printers, fax machines, scanners, video games and accessories

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Best Buy 700 - 5300 No. 3 Road	604-273-7335
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
OK Bottle Depot 145 - 5751 Cedarbridge Way	604-244-0008
Regional Recycling 13300 Vulcan Way	1-855-701-7171
Staples 8171 Ackroyd Road	604-270-9599
110 - 2780 Sweden Way	604-303-7850

Complete list of materials accepted: return-it.ca/electronics or 604-473-2400.



EXERCISE AND HOBBY MACHINES

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Regional Recycling 13300 Vulcan Way	1-855-701-7171

Complete list of materials accepted: return-it.ca/electronics or 604-473-2400.



EYEGASSES

DROP-OFF LOCATION
Drop off at any local optometrist or eye care professional.



FIRE EXTINGUISHERS

DROP-OFF LOCATION	PHONE
 Vancouver Fire 22131 Fraserwood Way	604-232-3473



FLAMMABLE LIQUIDS, PESTICIDES, SOLVENTS AND GASOLINE

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Regional Recycling 13300 Vulcan Way	1-855-701-7171

Complete list of accepted items: regeneration.ca or 604-732-9253.

GENERAL HAZARDOUS MATERIALS

DROP-OFF LOCATION	PHONE
 Tervita 160 - 13511 Vulcan Way	604-214-7000
 Terrapure Environmental 9 - 7483 Progress Way, Delta	604-952-1220



GYPNUM DRYWALL
No other materials attached to or on drywall

DROP-OFF LOCATION	PHONE
 City of Vancouver Landfill 5400 72nd Street, Delta	604-873-7000
 Ecowaste Industries 15111 Tirango Road	604-277-1410
 New West Gypsum Recycling 11871 Horseshoe Way	604-534-9925
Vancouver Transfer Station (maximum 1/2 sheet with a paid load of garbage) 377 W. Kent Avenue N., Vancouver	604-873-7000

HYPODERMIC NEEDLES

DROP-OFF LOCATION
Purchase a "Sharps Container" from a pharmacy and return the container to same pharmacy when full. Complete list of drop-off locations: healthsteward.ca/returning-medical-sharps .



LIGHTS AND LIGHTING FIXTURES

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Canadian Tire 11268 Steveston Highway	604-271-6651
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
London Drugs (lightbulbs only) 5971 No. 3 Road	604-448-4811
3200 - 11666 Steveston Highway	604-448-4852
OK Bottle Depot 145 - 5751 Cedarbridge Way	604-244-0008
Regional Recycling 13300 Vulcan Way	1-855-701-7171
Rona 7111 Elmbidge Way	604-273-4606
Urban Impact 15360 Knox Way	604-834-8748

Accepted items: regeneration.ca or 604-732-9253.



LUBRICATING OIL (USED), OIL FILTERS AND PLASTIC OIL CONTAINERS

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Jiffy Lube 10991 No. 4 Road	604-448-0142

Accepted items: bcusedoil.com or 604-732-9253.



MATTRESSES AND BOXSPRINGS

DROP-OFF LOCATION	PHONE
 Canadian Mattress Recycling 1210 Cliveden Avenue, Delta	604-777-0324
 City of Vancouver Landfill 5400 72nd Street, Delta	604-873-7000
 Vancouver Transfer Station 377 W. Kent Ave. N., Vancouver	604-873-7000

Richmond's Large Item Pick Up Program: Contact Sierra Waste at 604-270-4722. Some restrictions apply. Program details: richmond.ca/largeitem.



MEDICAL DEVICES AND EQUIPMENT

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
OK Bottle Depot 145 - 5751 Cedarbridge Way	604-244-0008
Regional Recycling 13300 Vulcan Way	1-855-701-7171

-  **Disposal Ban** – Banned from the landfill and recyclable through retailers, stewardship or take-back programs
-  **Disposal Ban** – Banned from the landfill and recyclable through the City and other services
-  **Not Banned** – Recyclable through the City and other services
-  **Not Banned** – Recycling options are available
-  **A fee is charged**



MUSICAL INSTRUMENTS (ELECTRONIC)

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Blundell Return-It Depot 130 - 8180 No. 2 Road	604-274-1999
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
OK Bottle Depot 145 - 5751 Cedarbridge Way	604-244-0008
Regional Recycling 13300 Vulcan Way	1-855-701-7171



PAINT AND PAINT AEROSOL CONTAINERS

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
Regional Recycling 13300 Vulcan Way	1-855-701-7171
Rona 7111 Elmbidge Way	604-273-4606

Complete list items accepted: regeneration.ca or 604-732-9253.



PHARMACEUTICAL

DROP-OFF LOCATION

All pharmacies accept leftover or outdated prescription drugs, non-prescription medications, herbal products, mineral supplements, vitamin supplements and throat lozenges for safe disposal. For a list of pharmacies and/or drugs, medications, herbal products and mineral supplements accepted, visit healthsteward.ca/returns/british-columbia or call 604-732-9253.

Note: Please do not wash these items down the drain or throw them in the garbage.



PROPANE TANKS: Refillable

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
City of Vancouver Landfill 5400 72nd Street, Delta	604-873-7000



PROPANE TANKS: Small / disposable

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
City of Vancouver Landfill 5400 72nd Street, Delta	604-873-7000



OUTDOOR POWER EQUIPMENT

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Regional Recycling 13300 Vulcan Way	1-855-701-7171



SEWING, KNITTING & TEXTILE MACHINES

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
OK Bottle Depot 145 - 5751 Cedarbridge Way	604-244-0008
Regional Recycling 13300 Vulcan Way	1-855-701-7171
Richmond Return-It Depot 135 - 8171 Westminster Hwy	604-232-5555



STYROFOAM - MOLDED PACKAGING & FOOD CONTAINERS

DROP-OFF LOCATION	PHONE
Richmond Recycling Depot 5555 Lynas Lane	604-276-4010
Ironwood Bottle & Return-It Depot 110 - 11020 Horseshoe Way	604-275-0585
London Drugs 5971 No. 3 Road 3080 - 11666 Steveston Highway	604-448-4811 604-448-4852
Queensborough Landing Return-It Depot Unit A - 409 Boyne Road, New Westminster	604-540-4467



STYROFOAM CHIPS (PEANUTS)

DROP-OFF LOCATION	PHONE
Packaging Depot 6360 Kingsway, Burnaby 5524 Cambie Street, Vancouver	604-451-1206 604-325-9966



TELUS EQUIPMENT (RENTAL OR RETAIL)

DROP-OFF LOCATION

All TELUS rental or retail equipment such as cordless/corded phones, Voice Over IP (VOIP) phones, Global Positioning System (GPS) equipment and video/telephone conference equipment can be returned via Canada Post. Call 604-310-2255 for more information.



THERMOSTATS

DROP-OFF LOCATION PHONE

Andrew Sheret Ltd.
4500 Vanguard Road 604-278-3766

Vancouver Zero Waste Centre
(maximum 2)
8588 Yukon Street, Vancouver 604-873-7000

Drop-off locations: hral.ca/public-drop-off-locations or 1-800-267-2231 ext 224.



TIRES – VEHICLES

DROP-OFF LOCATION PHONE

Richmond Recycling Depot
5555 Lynas Lane 604-276-4010

 Island City Automotive
180 - 5400 Minoru Blvd 604-273-4023

Canadian Tire
3500 No. 3 Road 604-273-2939
11388 Steveston Highway 604-271-6651

 Express Lube & Tune Centre
2840 No. 3 Road 604-278-1018

Kal Tire
2633 No. 5 Road 604-278-9181

Metro Tires Ltd.
16160 River Road 604-321-9004

OK Tire Store
5831 Minoru Boulevard 604-278-5171

Redline Automotive Ltd.
1 - 11711 No. 5 Road 604-277-4269

Vancouver Landfill (Passenger/light truck, with/without rims, limit of 10)
5400 72nd Street, Delta 604-873-7000

Richmond's Large Item Pick Up Program: Contact Sierra Waste at 604-270-4722. Some restrictions apply. Program details: richmond.ca/largetitem.

Complete list of locations: tsbc.ca or 1-866-759-0488.

All retail locations accept a used tire for a new one purchased.



TIRES AND TUBES – BICYCLES

DROP-OFF LOCATION PHONE

Richmond Recycling Depot
5555 Lynas Lane 604-276-4010

Cap's/Krusty's Bicycles
135-8460 Alexandra Road 604-270-2020

Village Bikes (small amounts)
3891 Moncton Street 604-274-3865

List of locations: tsbc.ca/bike.php or 1-866-759-0488.



TOOLS - POWER (ELECTRONIC & ELECTRICAL)

DROP-OFF LOCATION PHONE

Richmond Recycling Depot
5555 Lynas Lane 604-276-4010

Ironwood Bottle & Return-It Depot
110 - 11020 Horseshoe Way 604-275-0585

OK Bottle Depot
145 - 5751 Cedarbridge Way 604-244-0008

Regional Recycling
13300 Vulcan Way 1-855-701-7171

Richmond Return-It Depot
135 - 8171 Westminster Hwy 604-232-5555



TOYS (ELECTRONIC & ELECTRICAL) INCLUDING VIDEO GAMING SYSTEMS & ACCESSORIES

DROP-OFF LOCATION PHONE

Richmond Recycling Depot
5555 Lynas Lane 604-276-4010

Best Buy
700 - 5300 No. 3 Road 604-273-7335

Ironwood Bottle & Return-It Depot
110 - 11020 Horseshoe Way 604-275-0585

OK Bottle Depot
145 - 5751 Cedarbridge Way 604-244-0008

Regional Recycling
13300 Vulcan Way 1-855-701-7171



UPHOLSTERED FURNITURE (COUCHES, ARMCHAIRS, ETC)






DROP-OFF LOCATION PHONE

Richmond Recycling Depot
5555 Lynas Lane 604-276-4010

 Canadian Mattress Recycling
140 - 715 Eaton Way, Delta 604-777-0314

 City of Vancouver Landfill
5400 72nd Street, Delta 604-873-7000

Richmond's Large Item Pick Up Program: Contact Sierra Waste at 604-270-4722. Some restrictions apply. Program details: richmond.ca/largetitem

-  **Disposal Ban** – Banned from the landfill and recyclable through retailers, stewardship or take-back programs
-  **Disposal Ban** – Banned from the landfill and recyclable through the City and other services
-  **Not Banned** – Recyclable through the City and other services
-  **Not Banned** – Recycling options are available
-  **A fee is charged**



CITY OF RICHMOND

Environmental Programs Information Line:
604-276-4010

www.richmond.ca/recycle

- ♻️ Printed on Rolland Enviro Print, which contains 100% post-consumer recycled fibre, is FSC Certified and is acid and elemental chlorine free.