

City of Vancouver

Towards Zero Waste: Food Scraps
Collection and Compostable Organics
Waste Ban for the Multi-Unit Residential
Building (MURB) and Industrial/
Commercial/Institutional (IC&I)
Sectors

July 22, 2014



Background

Program Development

City's Role and Regulatory Approach

Education and Outreach

Summary, Conclusion and Next Steps

YOUR FOOD ISN'T GARBAGE

TURN YOUR FOOD SCRAPS INTO COMPOST ♻️

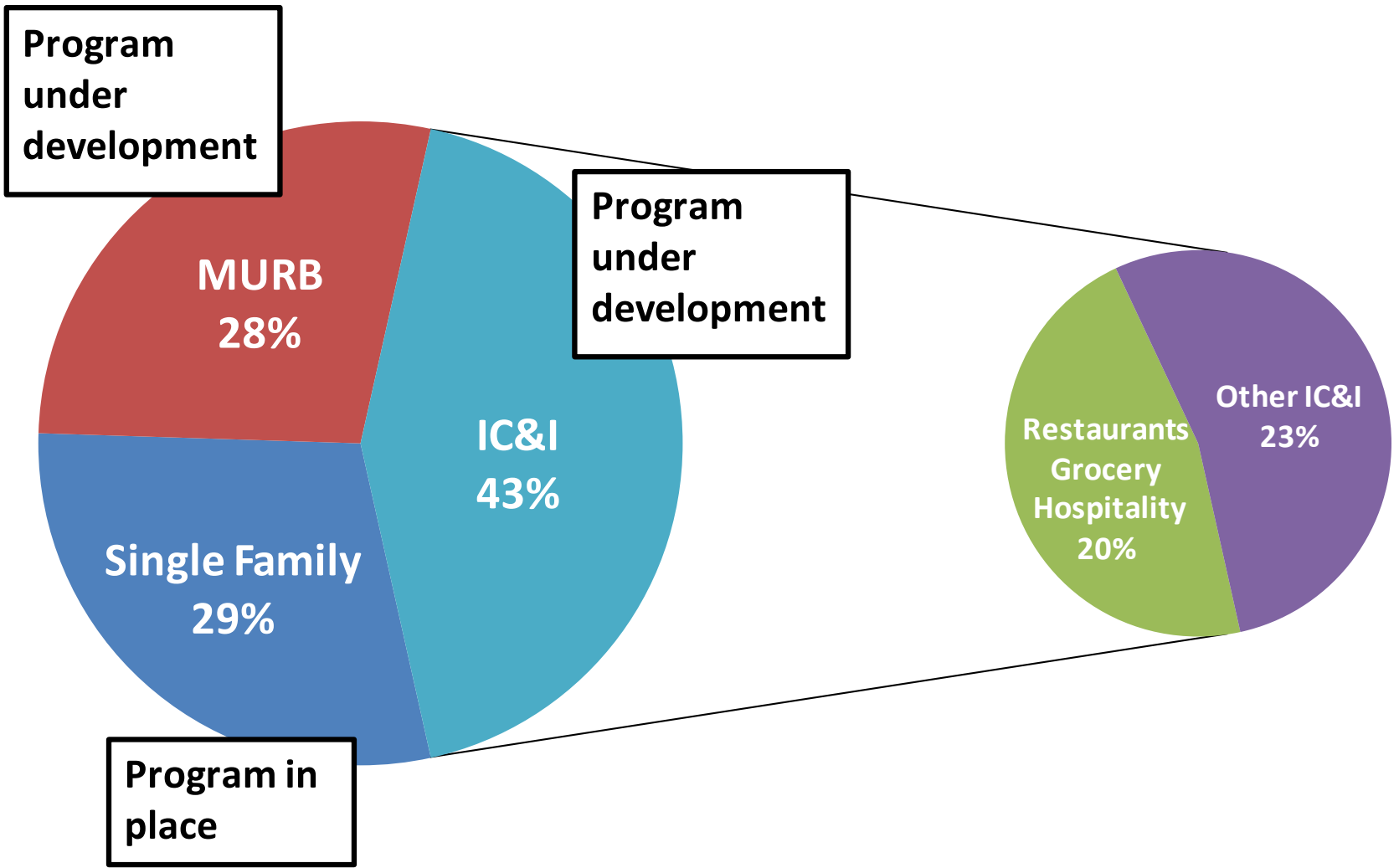


Background

Compostable organics make-up 36% of Vancouver's waste stream



Compostable organics are generated from all sectors of our community



In landfills, organics breakdown and create methane

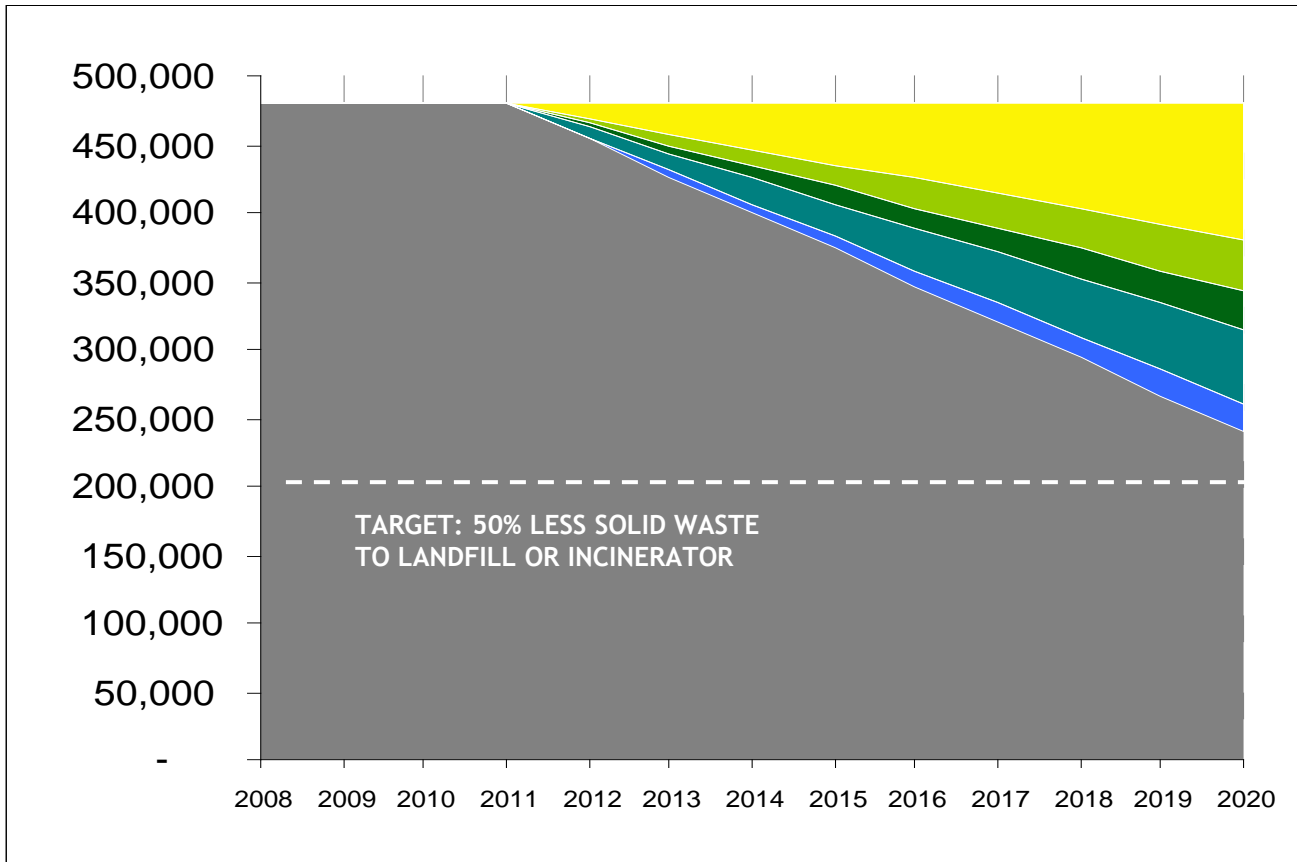
Collected food scraps are composted, and do not produce methane

Methane is 24 times more destructive than CO²



Greenest City Action Plan

Achieving our GCAP Zero waste goal requires recovering organics from the waste stream



- Compostables (21% reduction)
- EPR (8% reduction)
- Recyclables (6% reduction)
- Construction & demolition (11% reduction)
- Closed loop economy (4% reduction)

Metro Vancouver Organics Disposal Ban 2015

You will no longer be able to dispose food scraps as garbage.

Together we're keeping food out of our garbage



	January - June 2015	July - December 2015	2016	2017
Maximum allowable % of food scraps in garbage load	Education period for all sectors about organics ban	25% (target large generators)	10% (target medium generators)	5% (target small generators)
Penalty = 50% of tipping fee		Penalty		

ts
ns and **Food Donations**
How to donate healthy food

Food will be separated from regular garbage

A third of the garbage in our landfills is organic material that could have been composted and used to enhance the environment. Metro Vancouver, along with your municipality, manages the region's waste and will ban organic materials (including food) from waste facilities starting in 2015.



Program Development





Single Family - 100,000 units

Single Family Green Bin Program

In 2013, 100,00 single family homes and duplexes had collection frequency changed to weekly organics and bi-weekly garbage pick-up

64% 

In compostable organics collected

10% 

In recycling collected

40% 

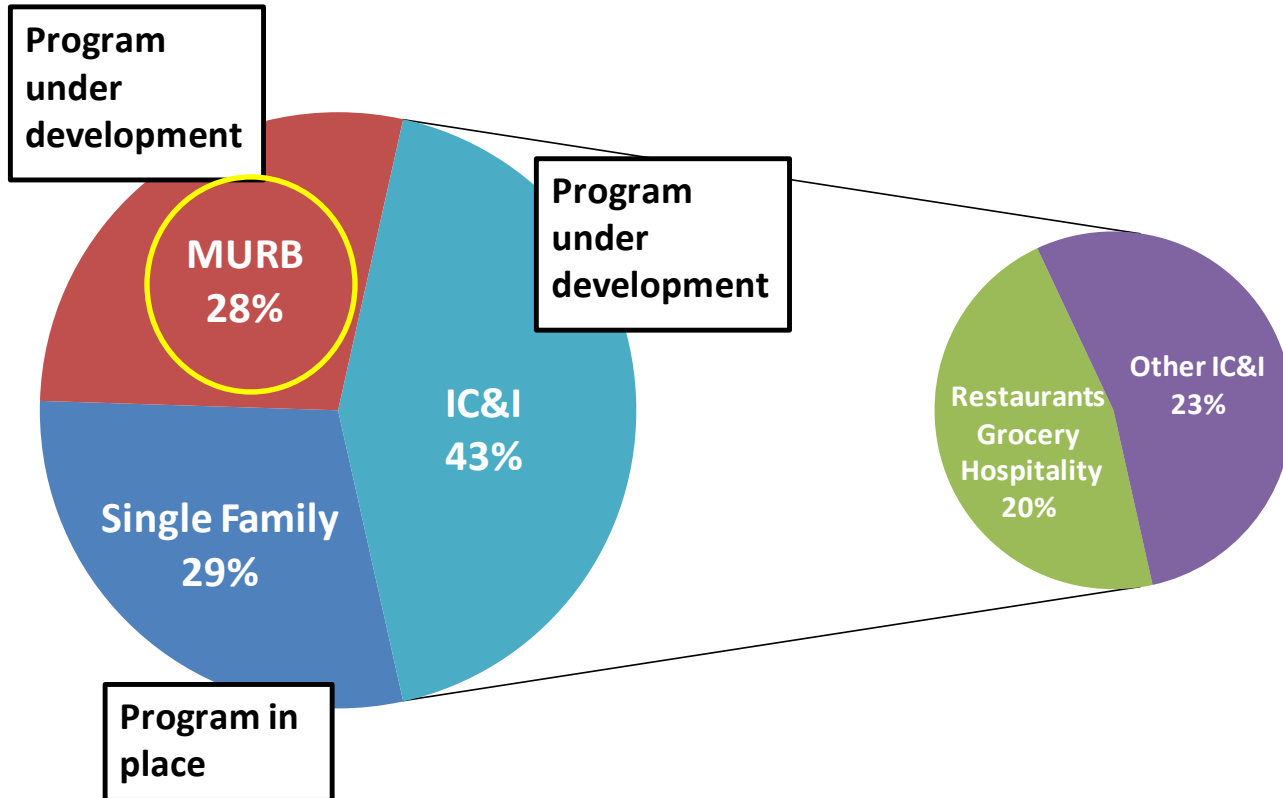
In garbage collected



**Multi-Unit Residential Buildings (MURBs) -
174,000 units**

Multi-Unit Residential Buildings

28% of organic waste comes from MURBs



5,700 apartment and condo properties with over 174,000 units

Low Rise



Mixed Use



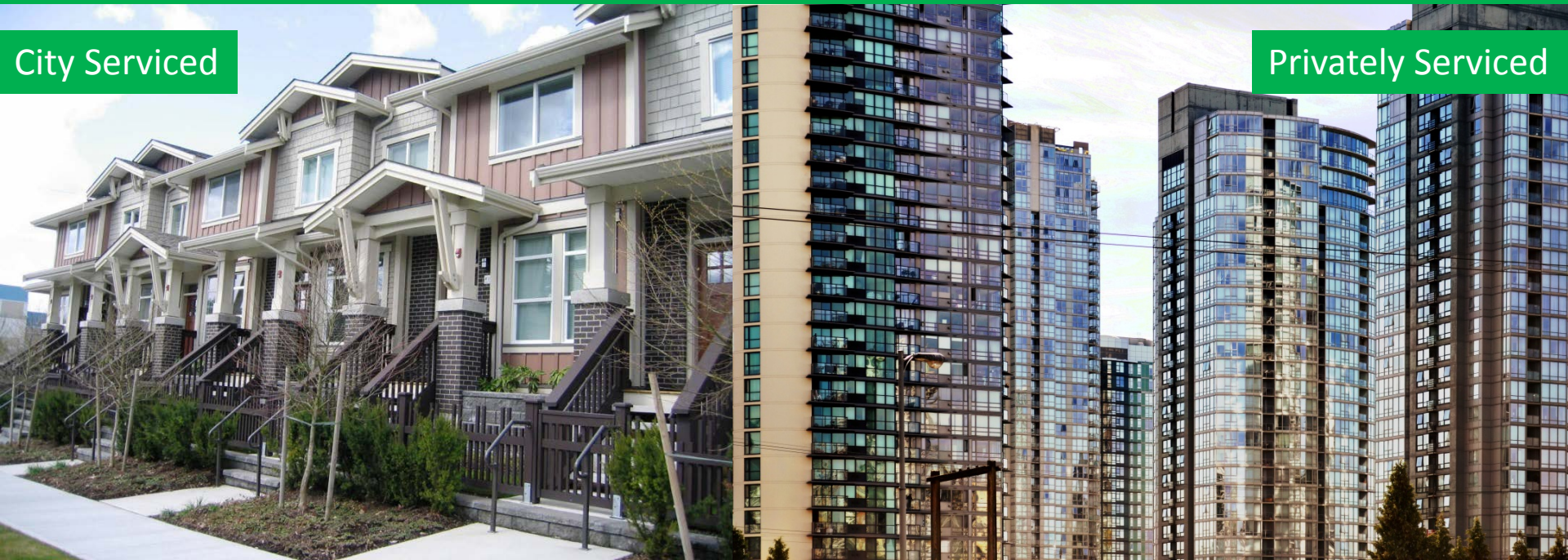
High-rise



Townhouse

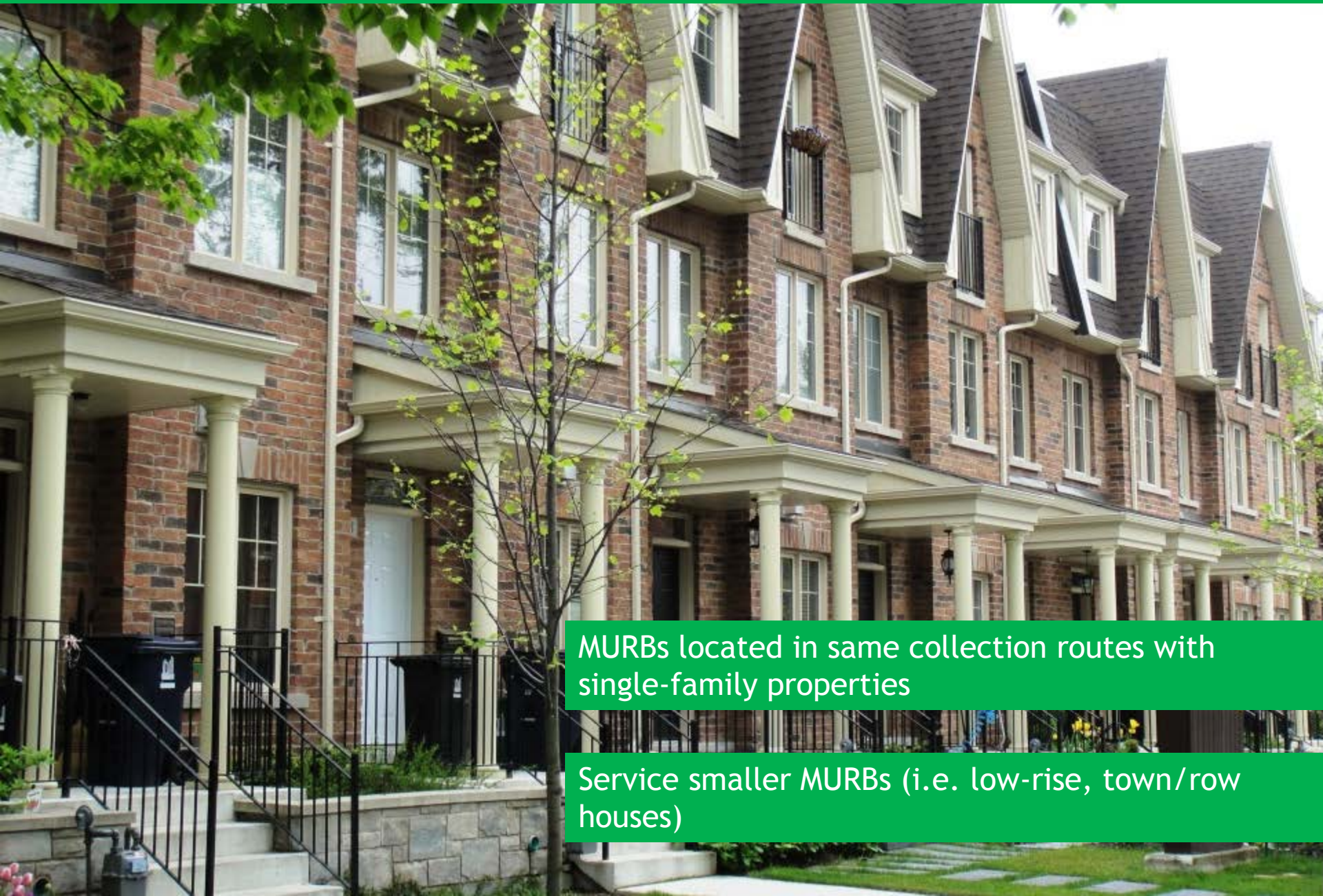


City-serviced vs. Privately Serviced MURBs



	Number of MURB Properties	%	Number of MURB Units	%
City Serviced	1,800	31	22,000	13
Privately Serviced	3,900	69	152,000	87
Total	5,700		174,000	

Why City collects from MURBs



MURBs located in same collection routes with single-family properties

Service smaller MURBs (i.e. low-rise, town/row houses)

City-Serviced Multi-Unit Residential Buildings (MURBs)

In 2014, City-serviced MURBs were offered food scraps collection

Total Number of City Serviced MURBs	With Green Bin Service	In Progress	Declined Green Bin Service
1,800	1,520	100	180
100%	84%	6%	10%



Privately Serviced MURBs

	Number of MURB Properties	Number of MURB Units
Privately Serviced	3,900	152,000

Estimated less than 5% of all privately serviced MURB's have implemented a food scraps recovery program.



Challenges/Issues



Space and access limitations

Yuck factor and extra work required

Perceived inconvenience to residents

Extra cost

Delaying start-up until regulated

Opportunities - Private Collectors



Over 20 private waste collectors offer organics collection services in the lower mainland

Opportunities - Alternate Approaches



City supported Food Scraps Drop Spots



City sale of worm composters

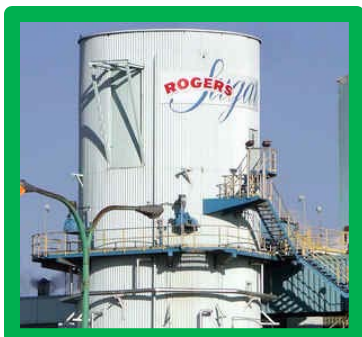
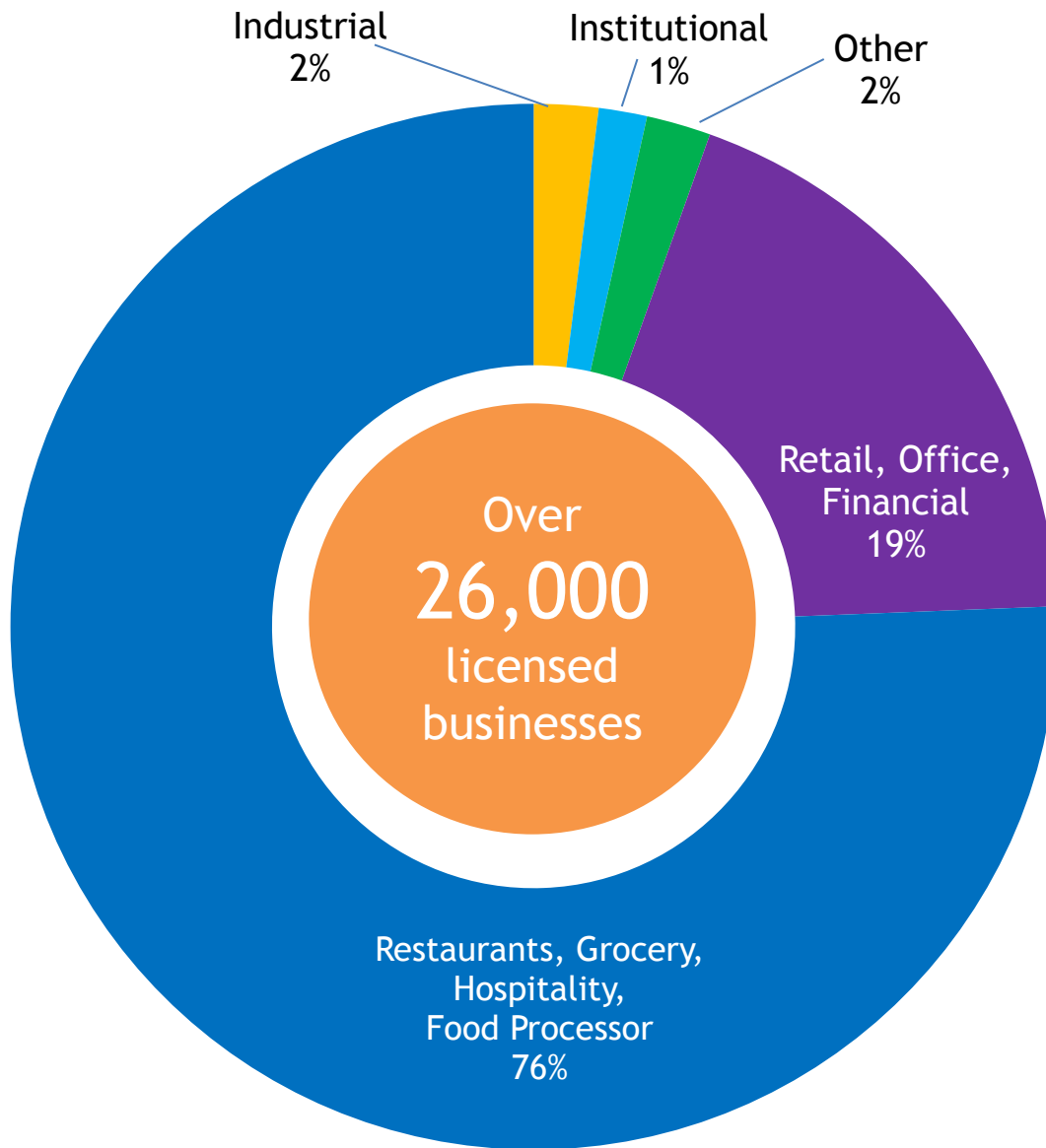


On-site composting technologies

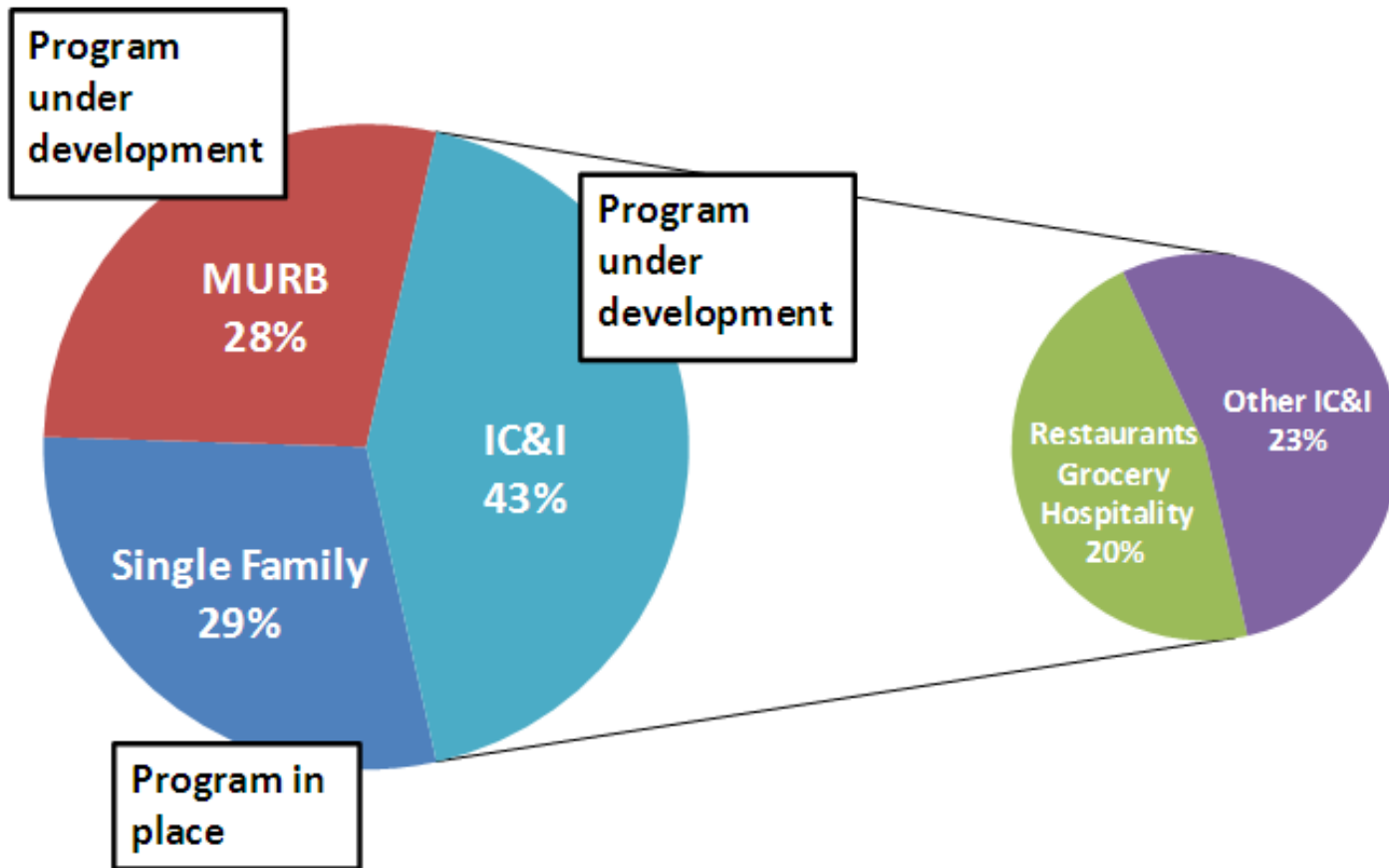


City Farmer Compost Demonstration Garden

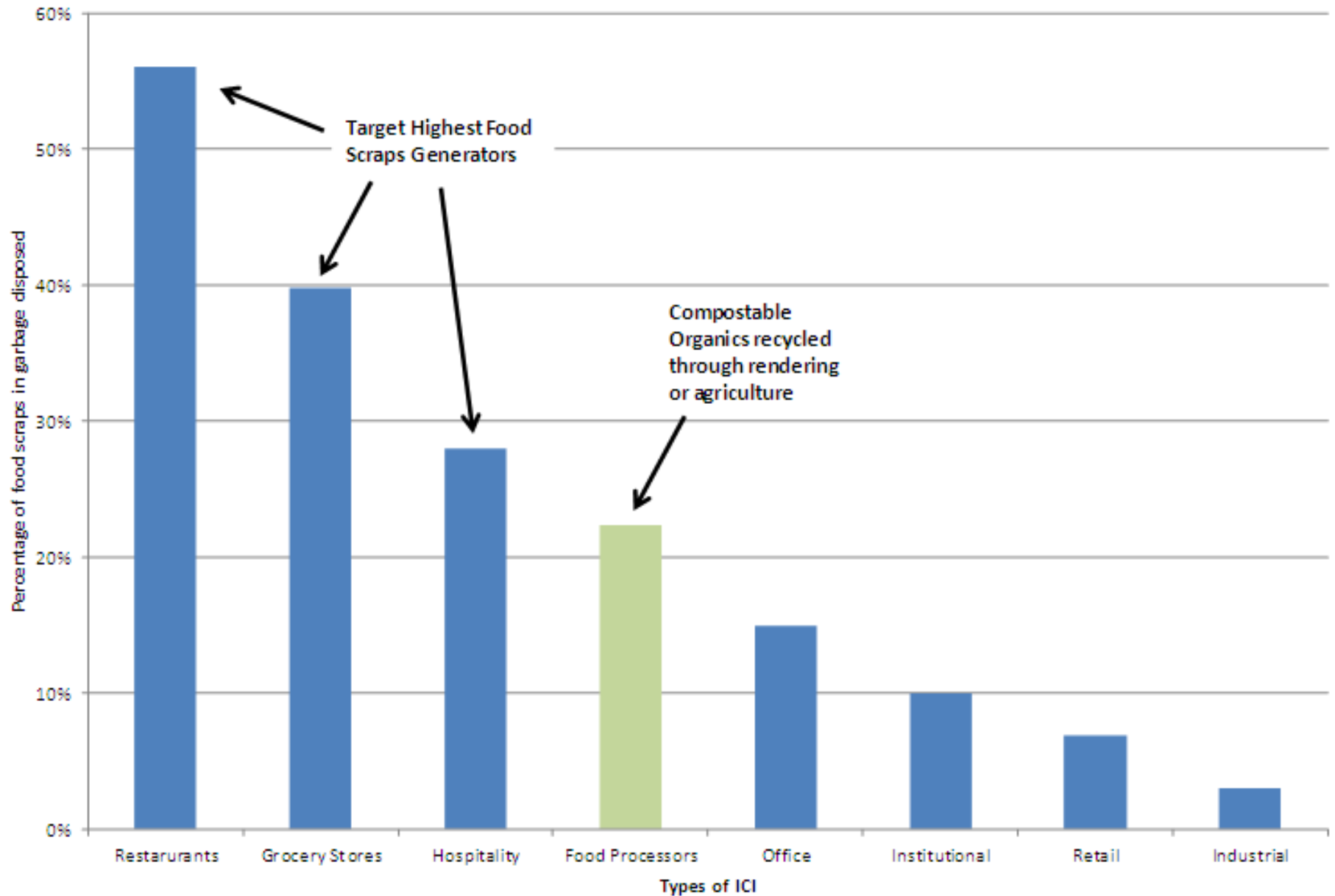
Industrial, Commercial, Institutional (ICI)



43% of compostable organic waste comes from ICI



Percentage of food scraps generated by ICIs that is currently garbage



Current focus on next tier of generators

Restaurants & Food Services



Grocery Stores



Hospitality



High Generators - Restaurants & Food Services, Grocery Stores, Hospitality, Food Processors

About **5,000** businesses in this category

Food scraps diversion programs in place for:

- Some large chain restaurants
- Most large grocery stores
- Some large hotels and venues
- Most large food processors

Most of the smaller businesses in these categories do not have programs in place

Other Commercial Sector (Retail/Office/Financial Services)

Small generators of food scraps

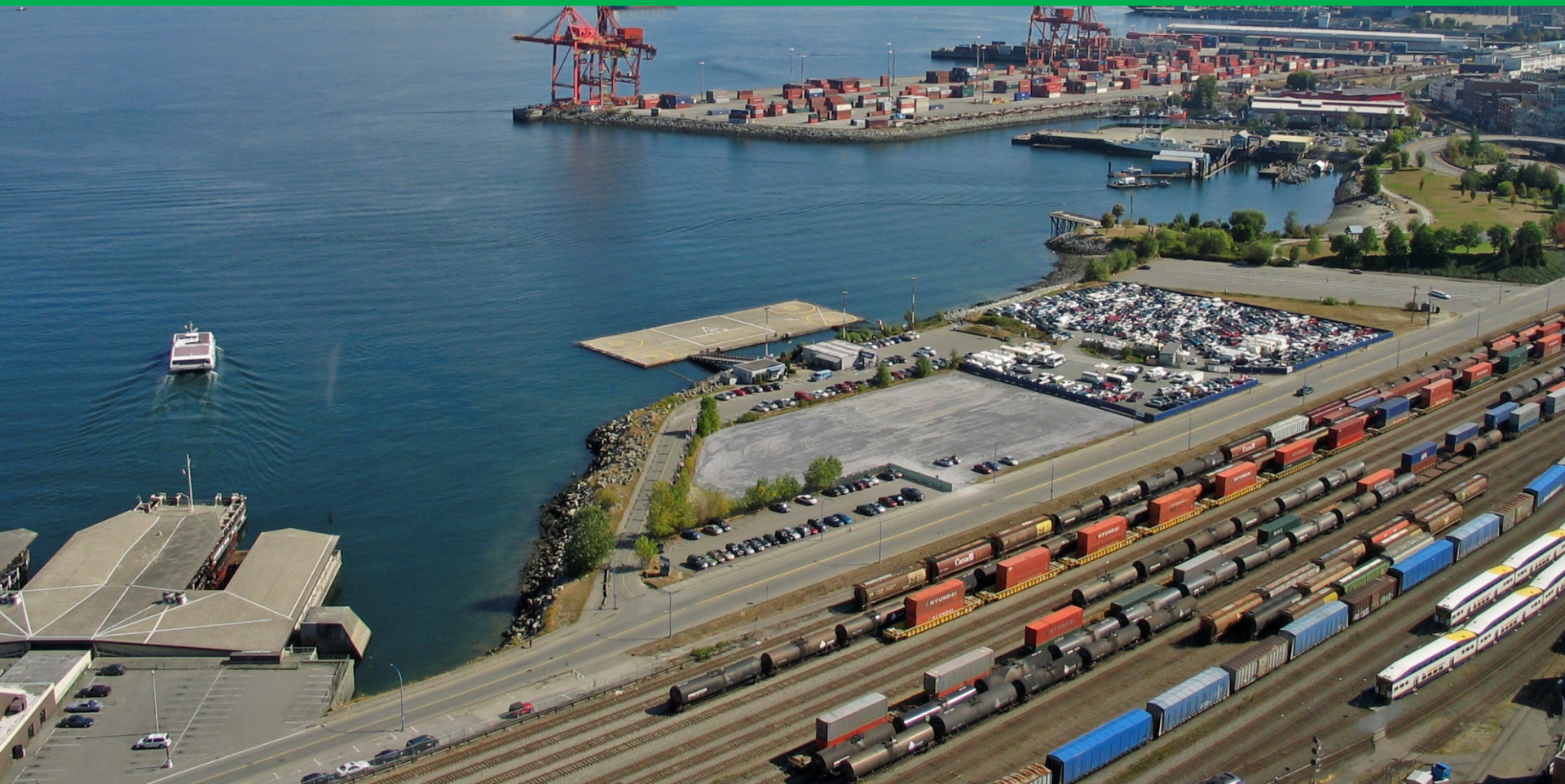
Most building do not have food scraps programs



Industrial Sector

Large food processors have programs in place to divert food scraps

Status uncertain for industries that are not involved in food processing but most are low generators of food scraps



Institutional Sector

Food scraps diversion programs in place for:

Most larger educational institution

Vancouver civic offices and facilities














Vancouver Coastal Health Authority



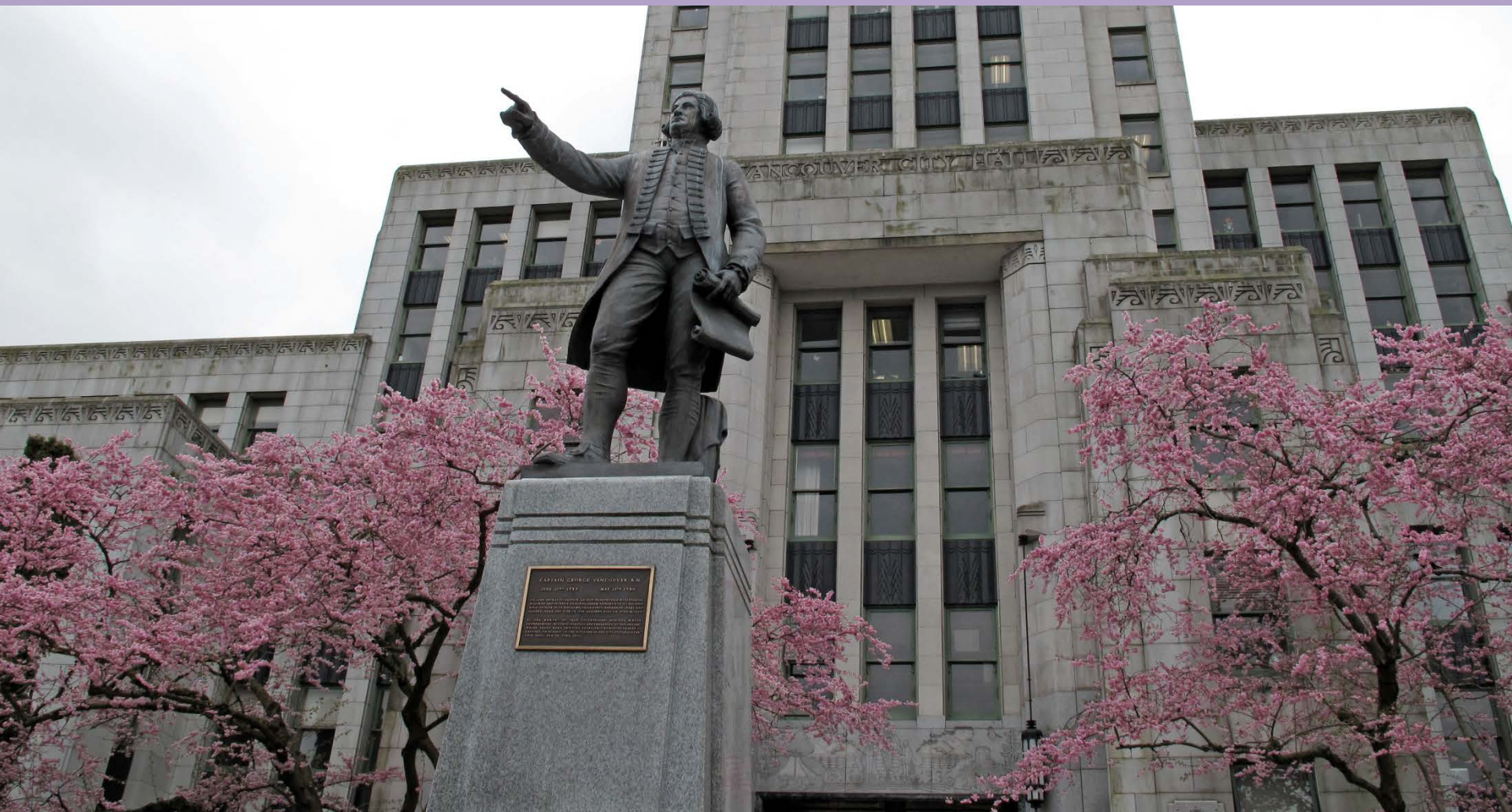
City Role in Food Scraps Programs



The City's Role

	Single Family	MURB		ICI	
	All City Serviced	City Serviced	Privately Serviced	City Serviced	Privately Serviced
Collection					
Regulation					
Outreach and Support					

City's Role - Regulatory Approach



Regulatory Approach - Metro and City

Metro Vancouver

1. Ban and enforce at the point of disposal. Effective with largest generators.
2. Penalty of additional 50% of tipping fee applied to waste hauler.

City of Vancouver

1. Require recovery programs at the building level. Effective with all generators. Will support Green businesses.
2. Enforcement at the building level.
3. Include Solid Waste By-law violations in the Municipal Ticketing Information (MTI) System.



City's Role - Outreach and Support

Education and Outreach for MURBs + ICIs



What happens to food scraps

Garbage that contains food scraps rots and creates global warming pollution. More than 40 per cent of what we typically throw away can go into the TSD.

Recycling our food scraps reduces the volume of garbage we produce, cuts down on global warming pollution, and creates a useful composted soil product for local gardens and farms.

What's the next step?

We will help you introduce this successful food scraps recycling program to your neighbors and will provide you with everything you need to get started, including kitchen containers, and information materials.

Thank you for joining your neighbours in making Vancouver an even better community by supporting our goal to be the world's greenest city by 2020.

PLEASE PHONE 604

Together we can make Vancouver the greenest city in the world.

FOR MORE INFORMATION

Closing THE LOOP

With Organics Recycling

A practical guide for restaurant and food service operators

metrovancover
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

CITY OF VANCOUVER
Peter Judd, P.Eng., General Manager

Dear Manager or Owner:

RE: Upcoming Metro Vancouver Organics Disposal Ban and City of Vancouver Green Bin Program

As you may be aware, in 2015, a Metro Vancouver ban on disposing of food scraps and other compostable materials in landfills and incinerators will come into effect. The regional ban will affect food scraps, such as raw food scraps, leftovers, packaged food with packaging removed, and other compostable materials.

To prepare for the upcoming 2015 disposal ban on compostable materials, the City of Vancouver is launching the Green Bin Program to collect your residential food scraps, leftovers, meat and bones, packaged food with packaging removed, and other compostable materials.

The ban means that ALL multi-unit residential properties and their commercial and residential buildings MUST have food scrap collection programs in place. Now, you will be prepared when the ban comes into effect.

Your Options

You can have a food scraps collection program through a private hauler, or through the City's Green Bin program. A list of private haulers which provide food scraps collection services can be found on our website at www.vancouver.ca/garbage. You may also wish to consider an on-site composting system. More information on your options is provided in the enclosed additional information sheet.

GREEN BIN PROGRAM

100% GREEN BIN APPROVED
GREEN BIN
GREENEST CITY 2020

City of Vancouver

Home / Property and Development / Green Bin Program: Prepare food scraps and yard waste for collection

- Waste disposal and recycling
- Garbage and recycling schedules
- Set out garbage, recycling, and green waste
- Recycling
- Food scraps and yard waste
- Prepared odors and pests
- Unlimited yard collection
- Christmas tree disposal
- Sign up for City waste collection services
- Options of other items and bags
- Household garbage and house dumping contact
- Properly fix and utilities
- Building and renovating and development
- Animals, bees, and gardens
- Property use, noise, and graffiti
- Water, sewer, and energy
- Public safety

What you can put in your Green Bin

Download the instructions

No plastic in Green Bin

Education and Outreach for MURBs + ICIs continued

Case studies for businesses

Stakeholder meetings and workshops

Print and online materials

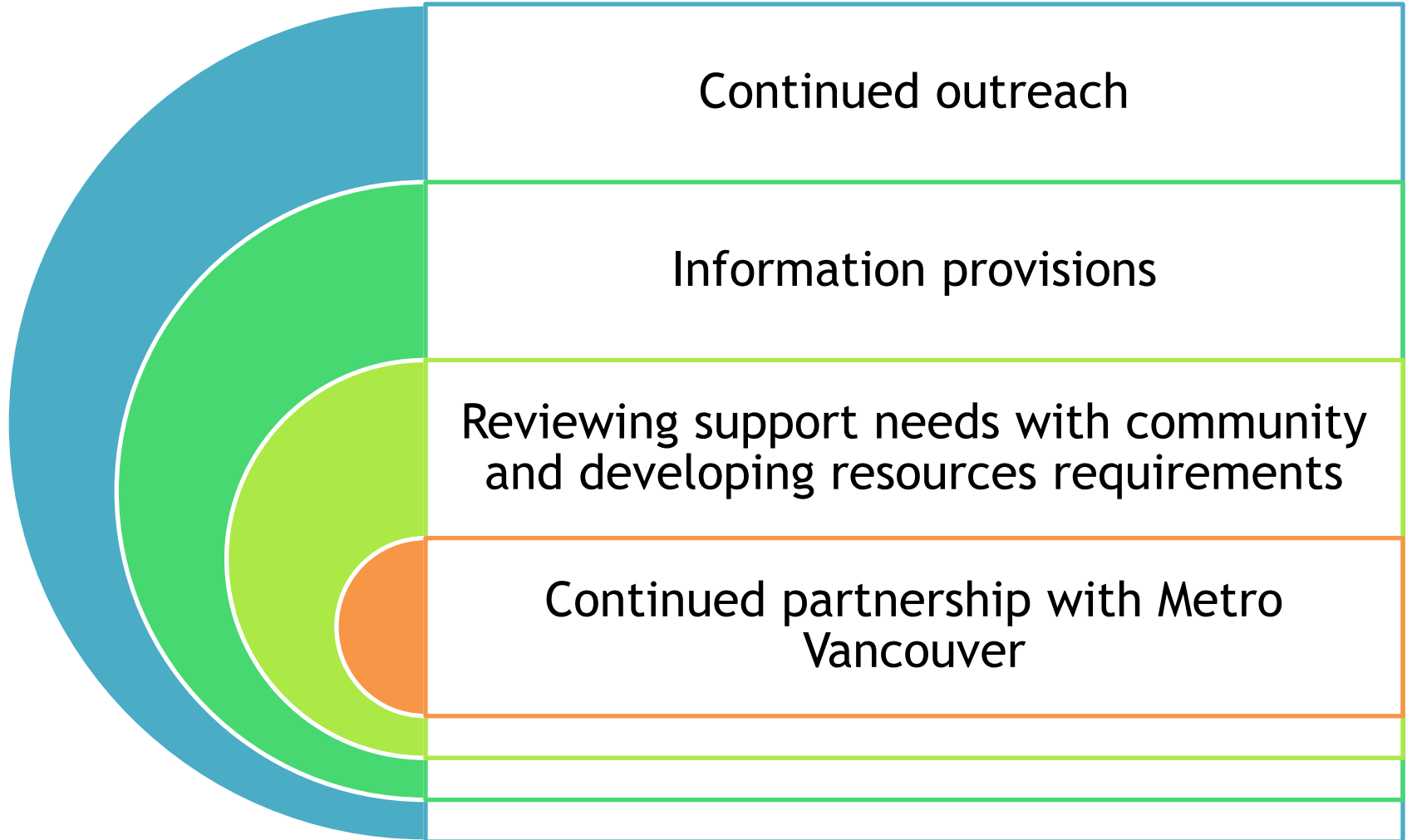
Advertisements

Providing camera ready materials

Campaigns

Working with other municipalities and Metro Vancouver

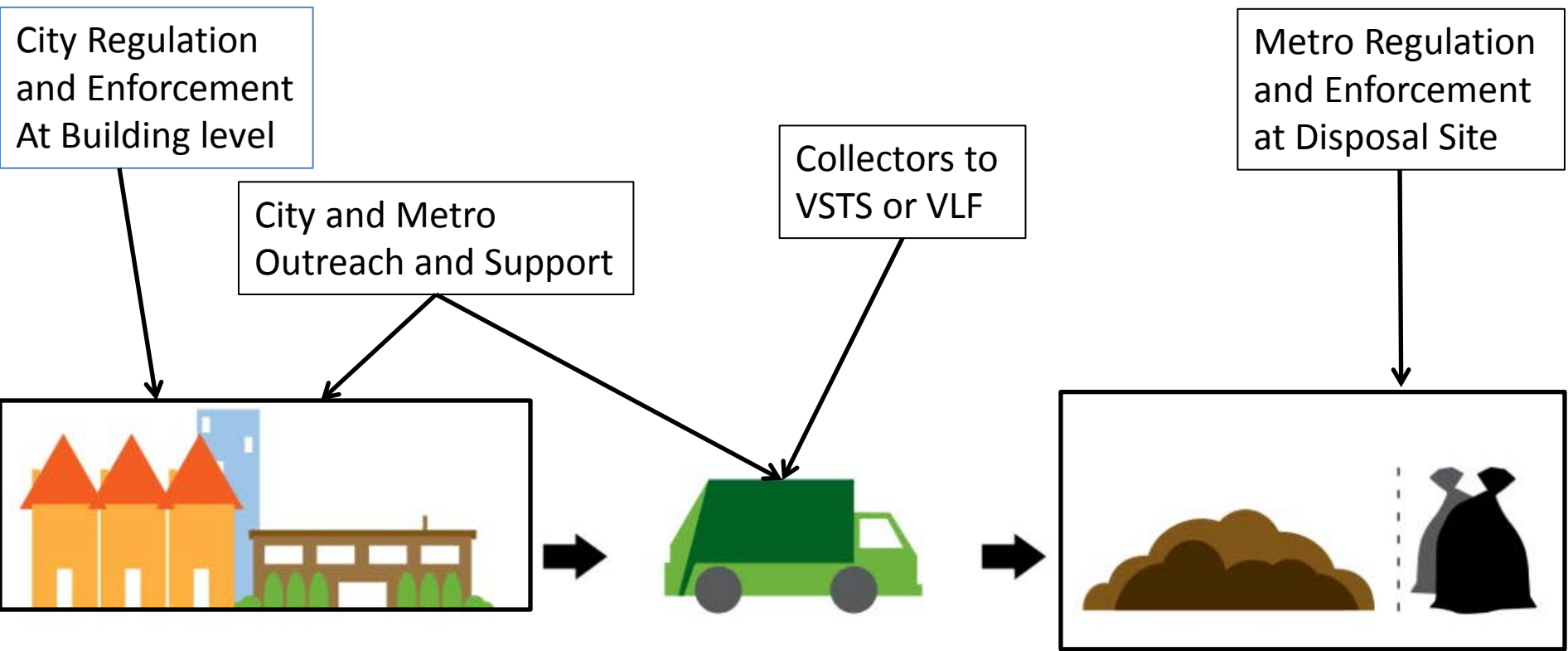
Future Support Education and Outreach





Summary, Conclusion & Next Steps

To Summarize....



Conclusion and Next Steps



Food scraps recovery programs currently in place:

- Single family homes and duplexes
- City-serviced MURBs



Programs under development:

- MURBs serviced by private waste collectors
- ICI Sector



Recommended Action:

- Coordinate City's Regulatory approach with Metro Vancouver's
- Make organics recovery programs mandatory at the building level across all sectors
- Prepare amendments to City by-laws
- Include Solid Waste By-law violations in Municipal Ticketing



Thank You!

Questions