

Food isn't garbage!

Metro Vancouver's Organics Disposal Ban

RCA Conference

OCTOBER 1, 2015 | BANFF, ALBERTA

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OUTLINE

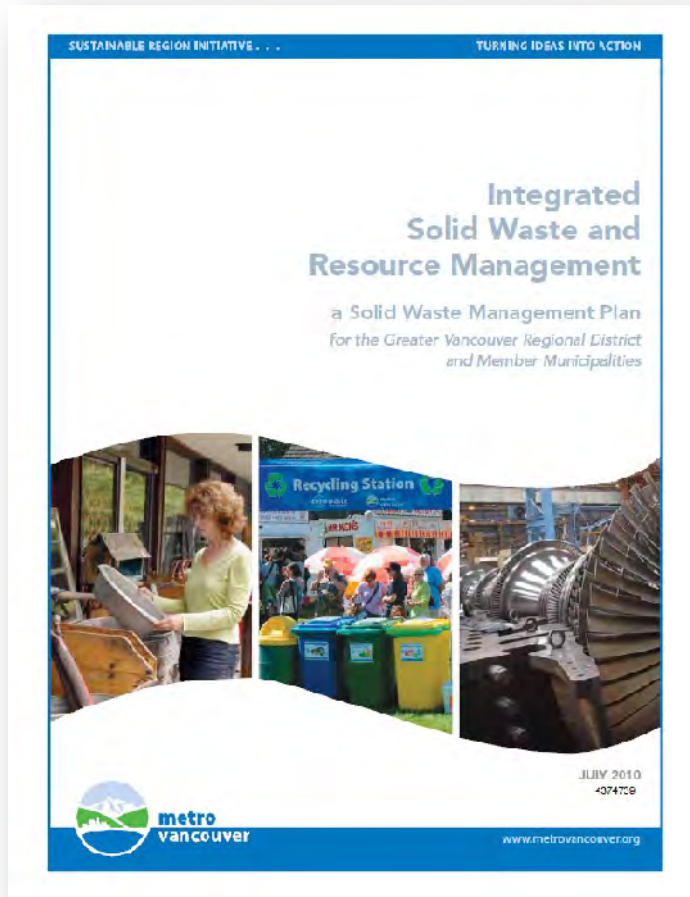
1. Organics Disposal Ban phasing and enforcement
2. Resources and initiatives
3. Public response
4. Measures of progress
5. Solid Waste Challenges

METRO VANCOUVER

An aerial photograph of the Metro Vancouver region. The image shows the city of Vancouver and its surrounding areas, including the Burrard Inlet, the Fraser River, and the surrounding mountains. The water is a deep blue, and the land is covered in dense green forest. Several small islands and peninsulas are visible, some with buildings and roads. The sky is clear and blue.

Partnership of 21 municipalities, one Treaty
First Nation, one Electoral Area

INTEGRATED SOLID WASTE & RESOURCE MANAGEMENT PLAN



70% diversion by 2015

- 80% diversion by 2020
- 10% per capita waste reduction

Achieved:

61% diversion in 2014

KEEPING FOOD OUT OF OUR GARBAGE

About 1/3 of regional garbage in Metro Vancouver is compostable organics

Divert organics from disposal

**Reduce
landfill
reliance**

**Feed
people or
animals**

**Create
compost
and
biofuel**

**Prevent
landfill
methane**

**More
effective
waste-to-
energy
process**

METRO VANCOUVER'S DISPOSAL BANS PROGRAM



CARDBOARD



NEWSPRINT



OFFICE PAPER



E- WASTE



**REFUNDABLE
CONTAINERS**



HAZARDOUS WASTES



OIL PRODUCTS



MEDICATIONS



**LEAD ACID (CAR)
BATTERIES**



TIRES



**BLUE BOX
RECYCLABLES**



YARD TRIMMINGS

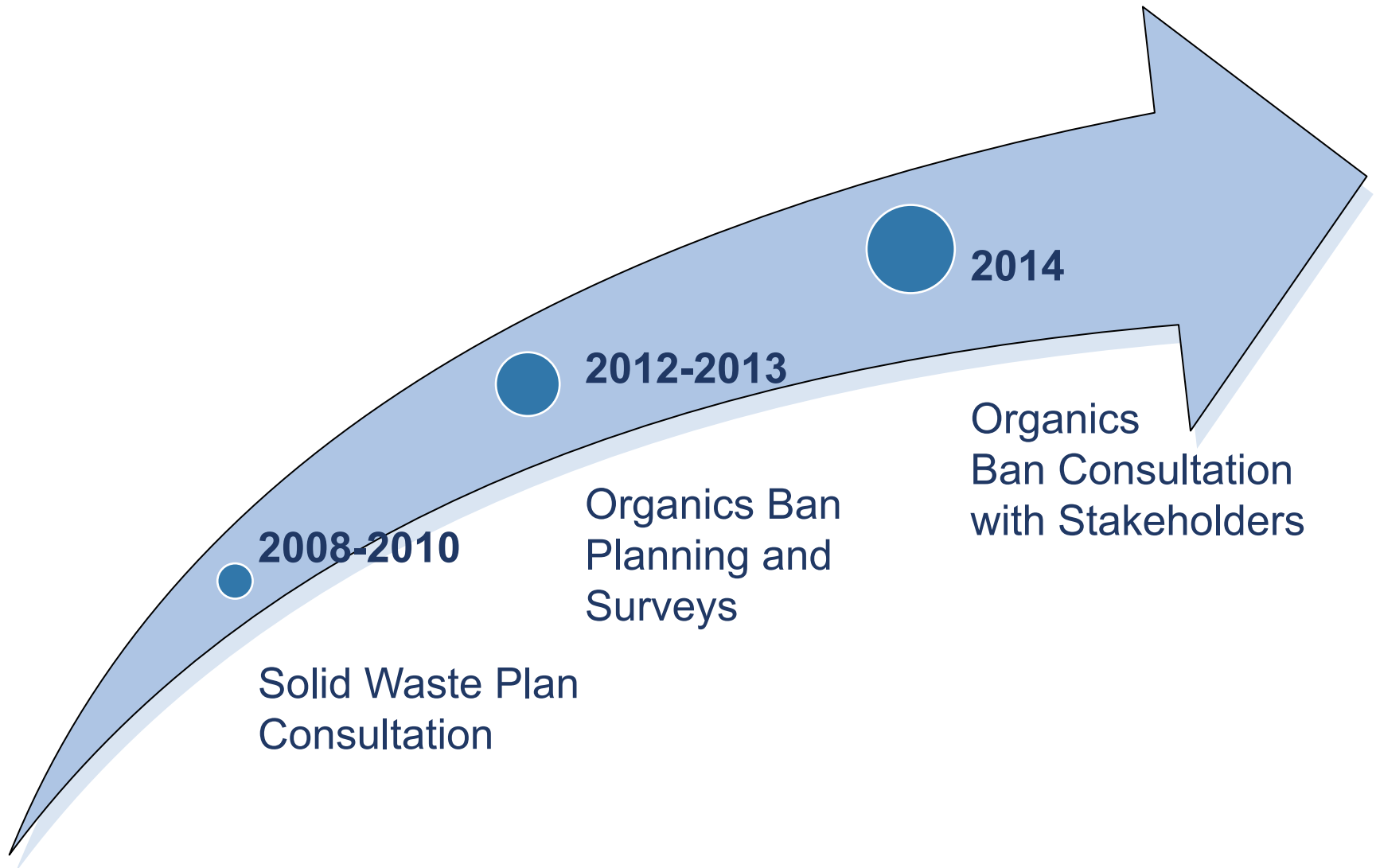


DRYWALL



FOOD SCRAPS 2015

ORGANICS DISPOSAL BAN CONSULTATION AND ENGAGEMENT



IMPLEMENTATION AND ENFORCEMENT

- Inspection at disposal sites
- Education period for 6 months
- 50% surcharge on tipping fee started July 1, 2015
- Surcharge loads with over 25% food waste
- Decrease allowable food waste limit over time



WHAT THE BAN INCLUDES

The Organics Disposal Ban includes all food and packaged food



FROM FOOD WASTE TO COMPOST

Private processing facilities in Metro Vancouver compost about 300,000 tonnes per year



FROM FOOD WASTE TO BIOFUEL

Organic waste anaerobically digested to produce methane gas





RESOURCES AND INITIATIVES

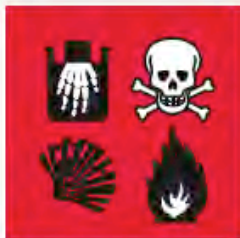
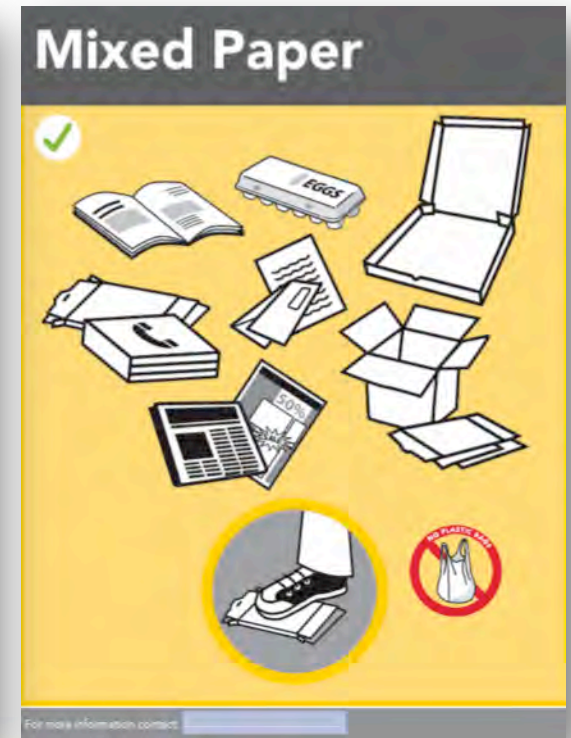
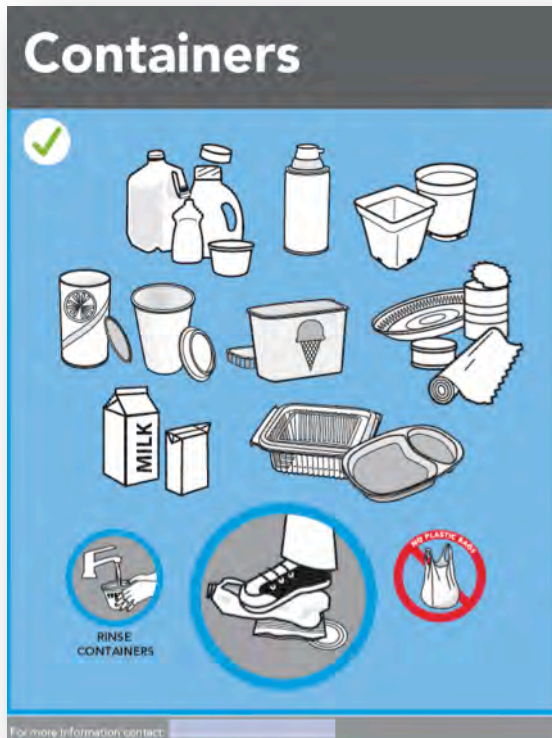
FOOD SCRAPS RECYCLING CAMPAIGN



metrovancover.org/foodscraps

 **metrovancover**
SERVICES AND SOLUTIONS FOR
A LIVABLE REGION

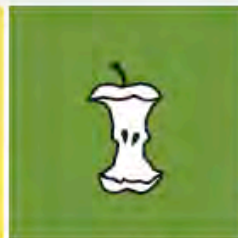
STANDARDIZED COLOURS AND SIGNAGE

HAZARDOUS
OR DEPOT

MIXED
CONTAINERS



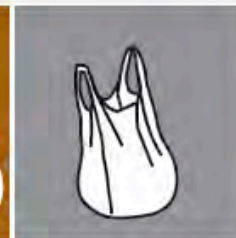
MIXED
PAPER



ORGANICS



CARDBOARD



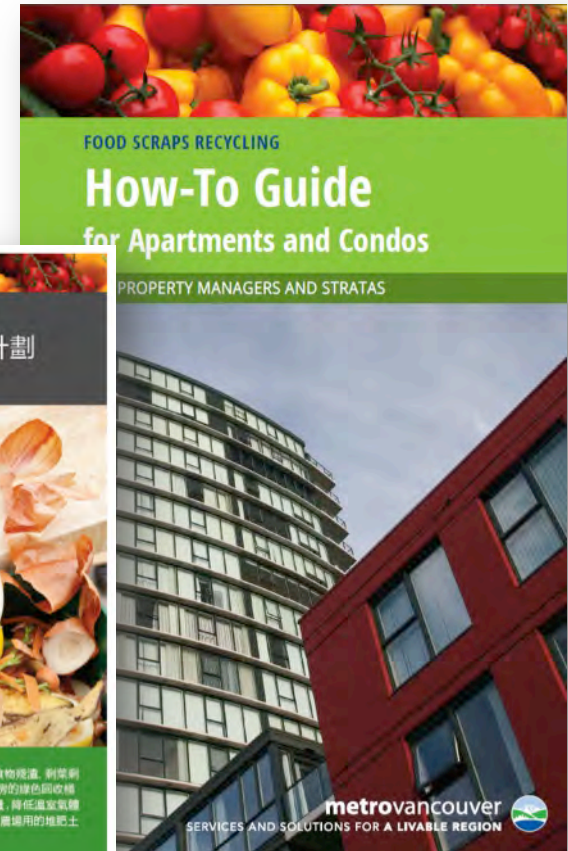
PLASTIC BAGS



GARBAGE

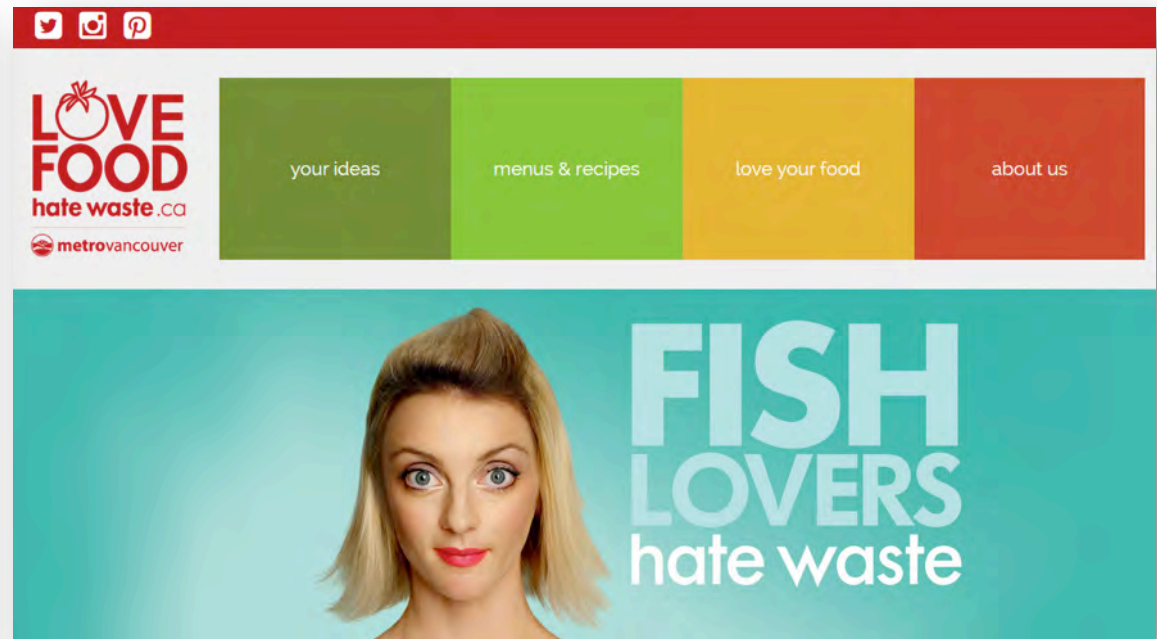
RESOURCES: FOOD SCRAPS RECYCLING

- Multi-family resources
- Restaurants: Closing the Loop Guide, Restaurant Guide coming soon
- Business case studies
- Videos
- Website
- RCBC Hotline
- Translations



RESIDENTIAL FOOD WASTE REDUCTION

LoveFoodHateWaste.ca



FOOD WASTE REDUCTION

- Food Waste Reduction Pilot – now recruiting
- Identify, measure and reduce food waste
- No cost to restaurants
- www.metrovancouver.org/ReductionPilot

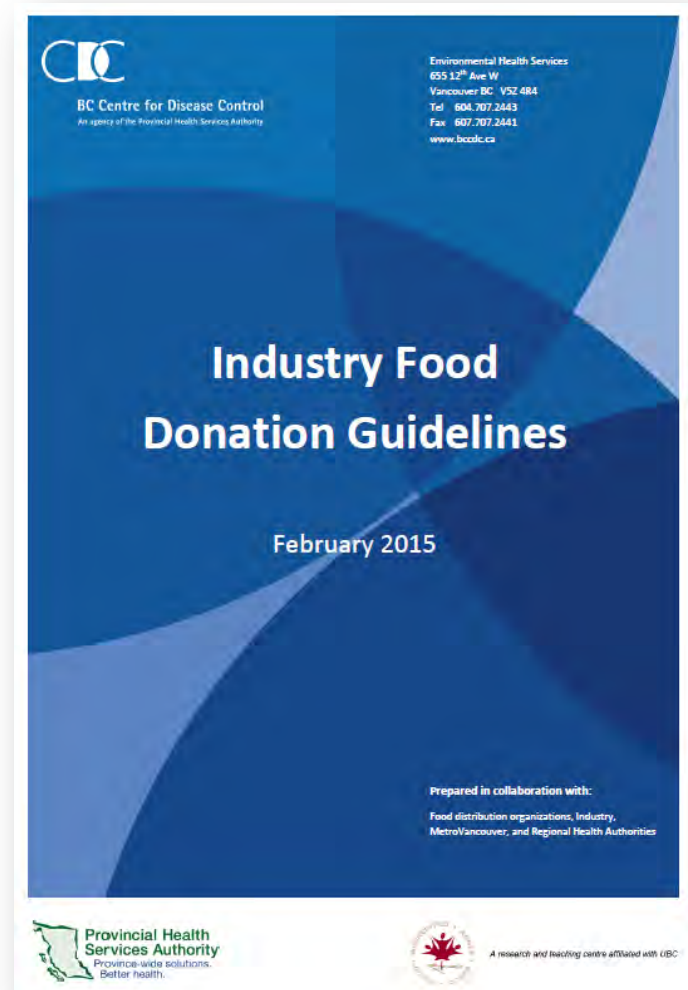


FOOD DONATION

- Food Donation Guidelines – coming soon
- National Zero Waste Council lobbying for new federal tax credit



BC Centre for Disease Control
An agency of the Provincial Health Services Authority





PUBLIC RESPONSE

MEDIA INTEREST

2 major spikes in media coverage

January 1

- Highest peak Peak public response / phone calls
- October 2014-January 30, 2015: 60 print/online stories, and 135 broadcast media hits

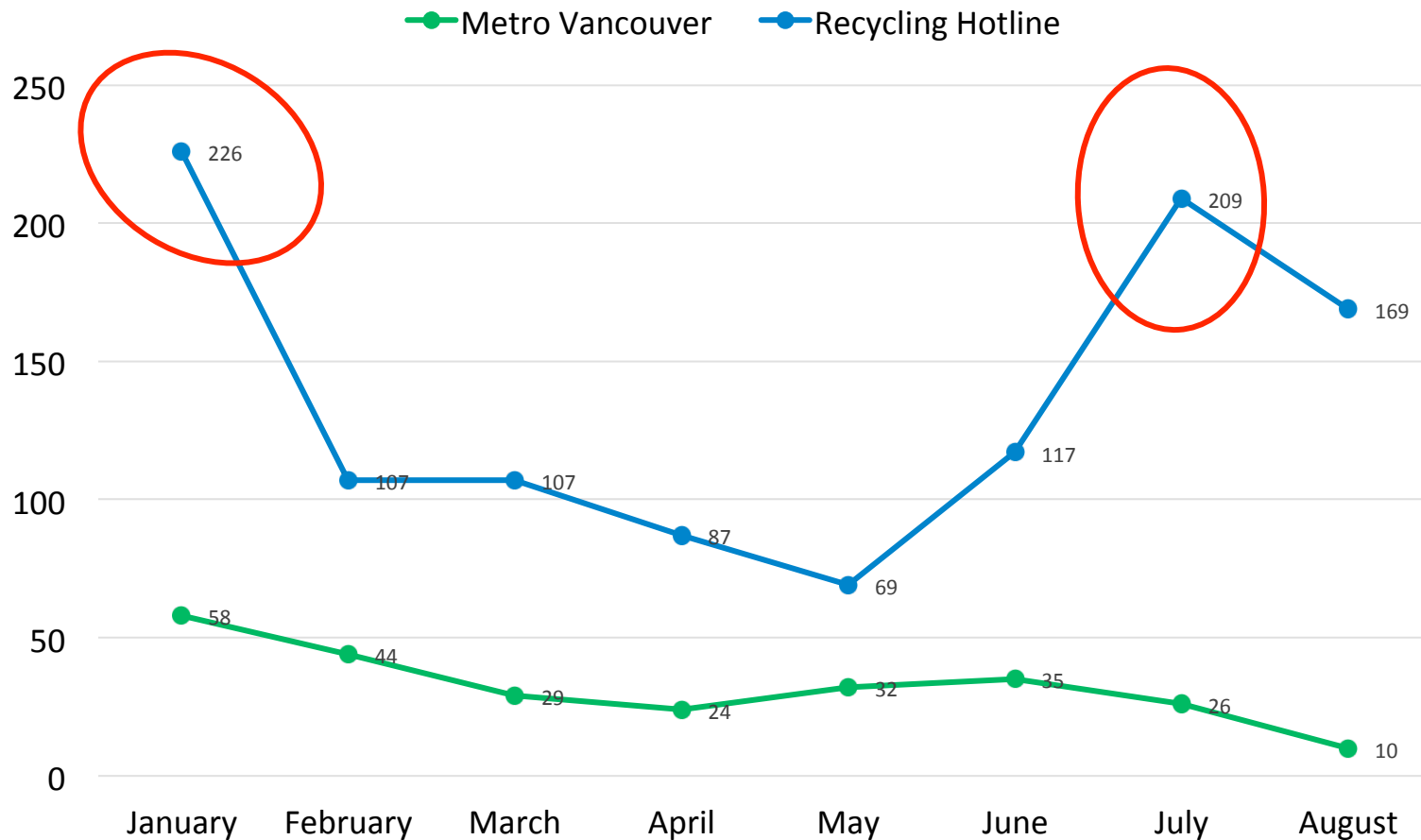
July 1

- Smaller peak
- February – September 2015: 25 print/online stories, and 35 broadcast media hits



PUBLIC INQUIRIES

Calls - January to August 2015





MEASURES OF PROGRESS

EARLY DISPOSAL BAN RESULTS ENCOURAGING

Data shows a high level of compliance

	Education Notice Monthly Average (Jan – Jun 2015)	Surcharges July 2015	Surcharges August 2015
Food Waste >25%	15	27	13



In 2015, businesses need to recycle food scraps.

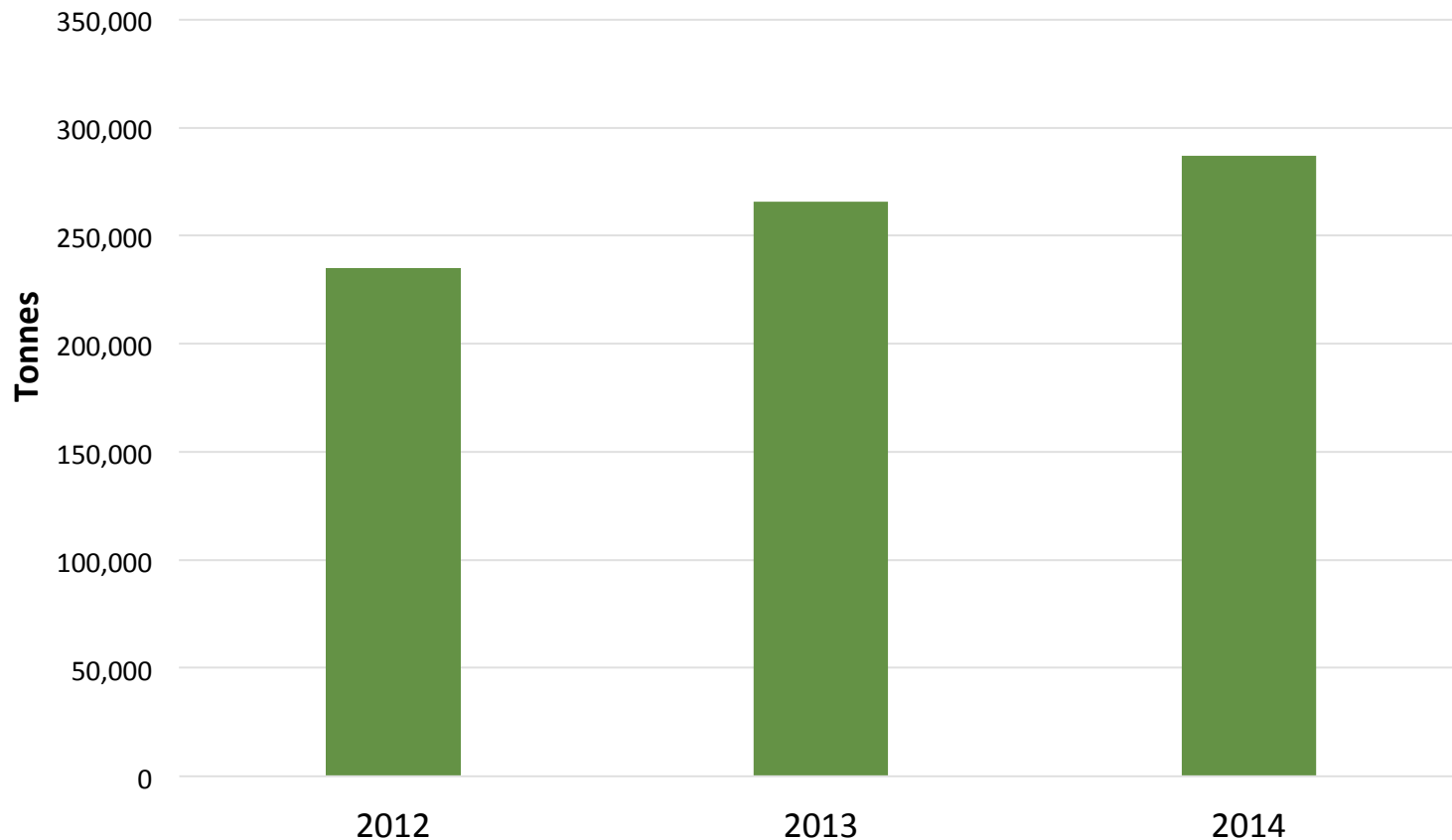
***Food is your business,
not your garbage.***

For more info:
604 REC-YCLE
(604 732 9253)


SERVICES AND SOLUTIONS FOR
A LIVABLE REGION

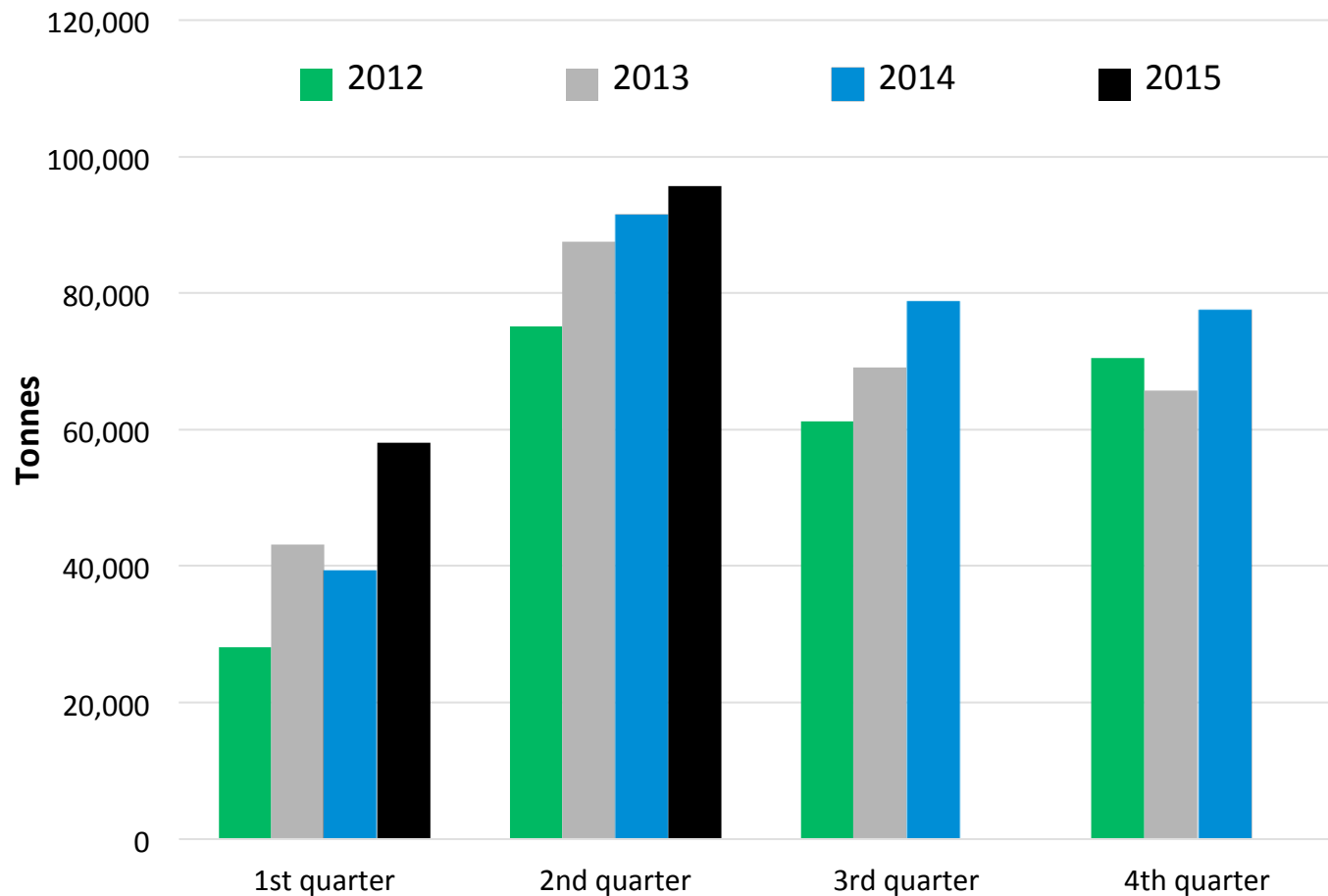
ORGANICS PROCESSED INCREASING OVER TIME

Organics Processed in Metro Vancouver
from 2012, by Year



QUARTERLY TREND – ORGANICS PROCESSED IN METRO VANCOUVER

Organics Processed in Metro Vancouver
Region from 2012, by Quarter



SURVEY OF MULTI FAMILY AND FOOD INDUSTRY



Provide insights on:

- Food Waste and Waste Management Practices in food businesses and multi-family buildings
- Awareness of the Organics Disposal Ban, and challenges in compliance



Results

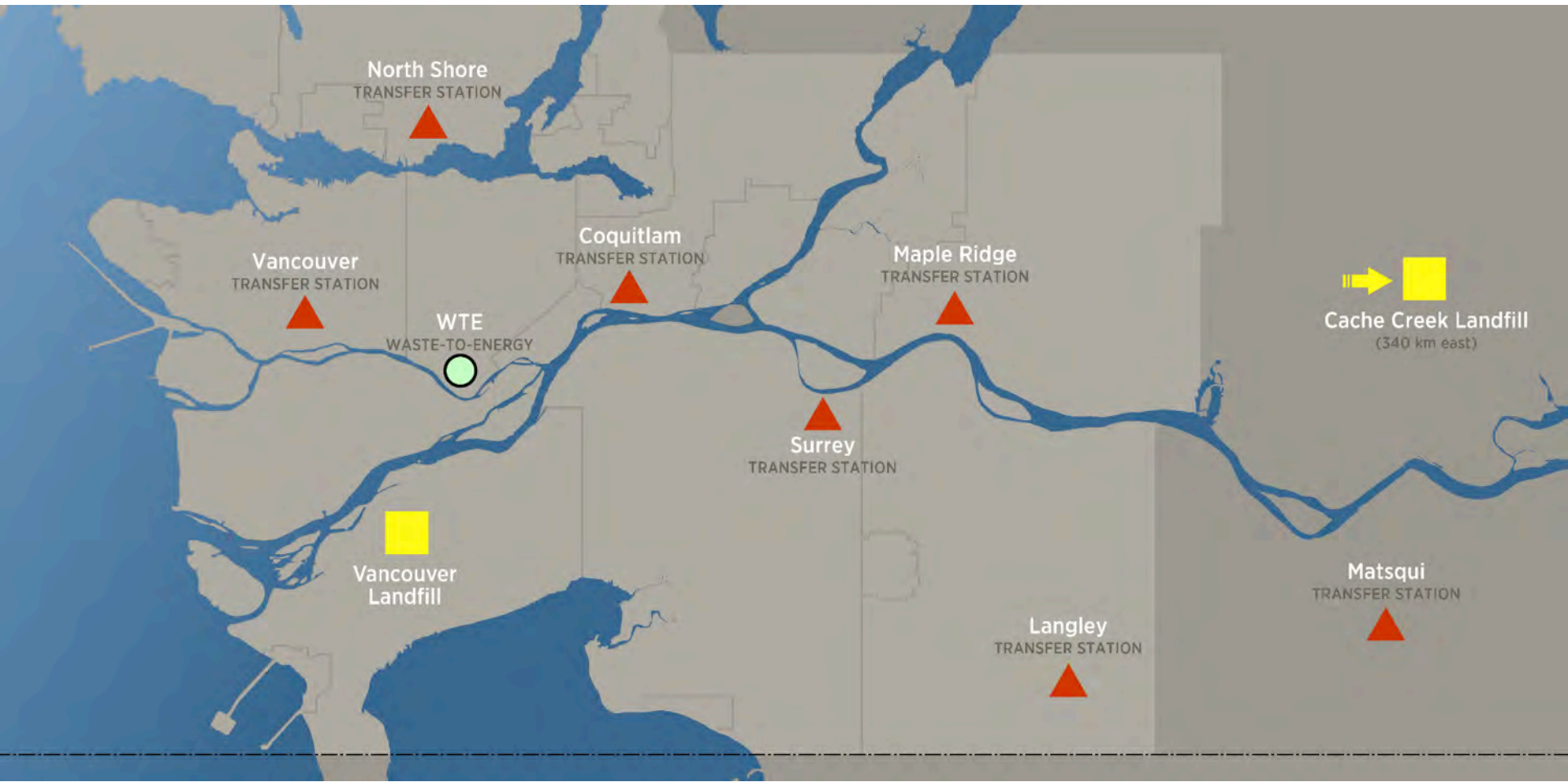
- High Awareness of Organics Disposal Ban & Management
- 59% - 81% of Businesses and MF Dwellings have Food Waste Recycling
- Small Proportion (12%) need Education on Food Waste Recycling



SOLID WASTE CHALLENGES

ENFORCEMENT LIMITATIONS

Metro Vancouver disposal bans can only be enforced at our facilities



WASTE BYPASSING REGIONAL FACILITIES

Some garbage haulers take loads to private landfills outside the Metro Vancouver system, where our disposal bans are not enforced, and the tipping fees do not pay for our regional costs.



SOURCE SEPARATION

Success of organics diversion program depends on:

- Markets for compost and recyclable materials
- Quality of compost and recyclable materials



Source-separated organics



Organics recovered from mixed waste

QUESTIONS?

Email: Stephanie.Woo@metrovancover.org

Website: www.metrovancover.org/foodscraps



THANK YOU



SOLID WASTE SYSTEM OVERVIEW - 2014



**Tonnage includes Residential and Commercial/Institutional only. Does not include bottom ash, construction and demolition, or sewer and water treatment plant residuals*

PRIOR TO JANUARY 1, 2015

- Member Municipalities, residents, institutions and businesses across Metro Vancouver were collecting food scraps
- Early adopters built capacity in collection and processing systems



PHASED IMPLEMENTATION

	JANUARY – JUNE 2015	JULY - DECEMBER 2015	2016	2017
THRESHOLD	Education Period	25%	Threshold Reduced Over Time	
SURCHARGE		50%		
INCLUDED MATERIALS		Food Waste Packaged Food		

LOADS EXCEEDING 25% FOOD WASTE

Month	Food waste > 25%
January	13
February	17
March	16
April	12
May	15
June	17
July	27
August	13
Total	108