

# Proposed Solid Waste Bylaw Update

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District of Squamish

## Agenda:

- Background
- Proposed changes and why
- Outreach and engagement
- Discussion & Feedback

## Definitions:

*MFH: Multi-family homes*

*ICI: Industrial, commercial and institutional*

# Background



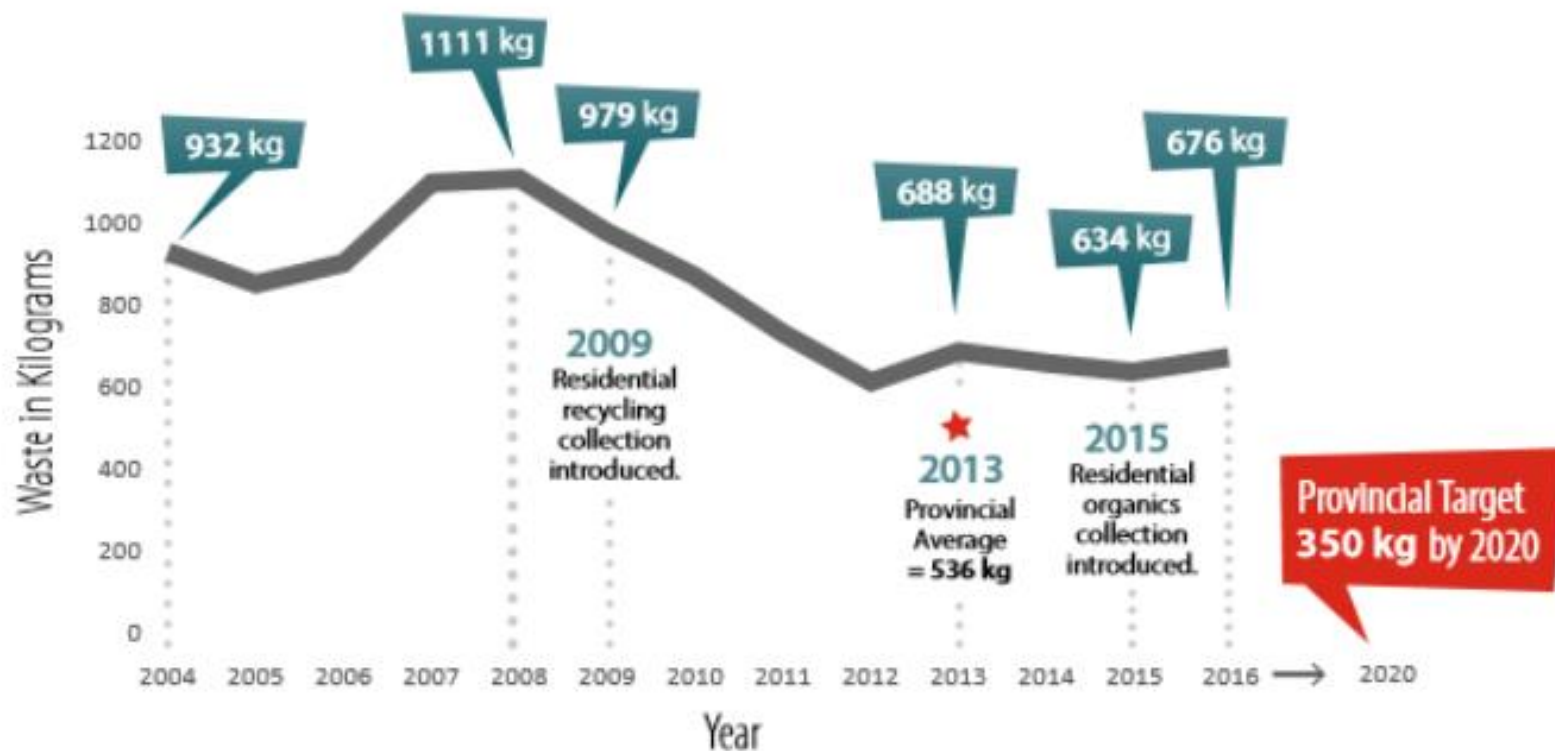
## Zero Waste Strategy Priorities:

1. Implement an Organics Disposal Ban
2. Ensure recycling and organics diversion programs and services are available and convenient for everyone at home, at work and on the go
3. Institute Construction and Demolition Waste Diversion Guidelines
4. Promote Waste Minimization

# Current Waste Diversion

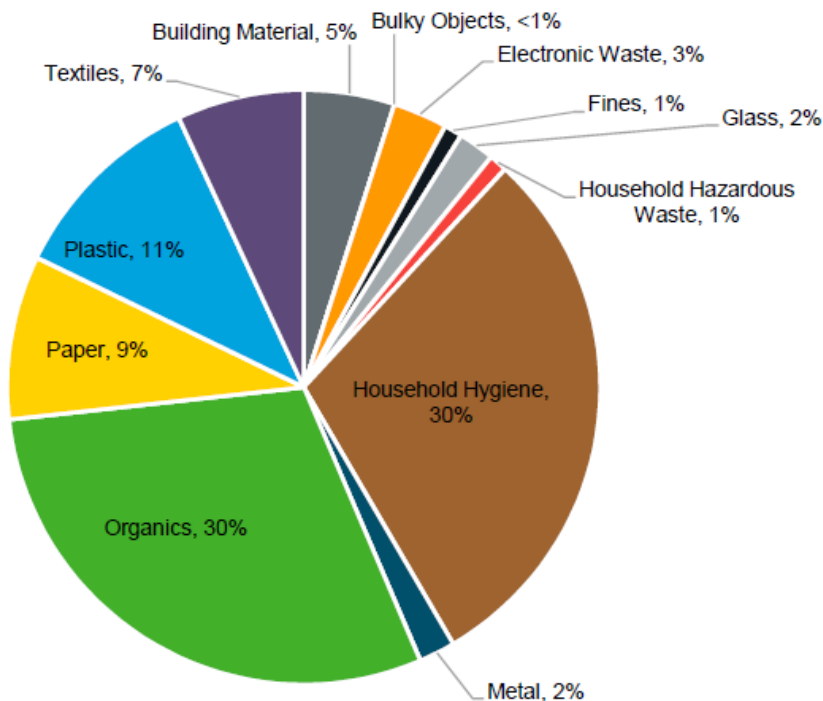
## Squamish Waste Produced

per capita per year  
on average (in kgs)

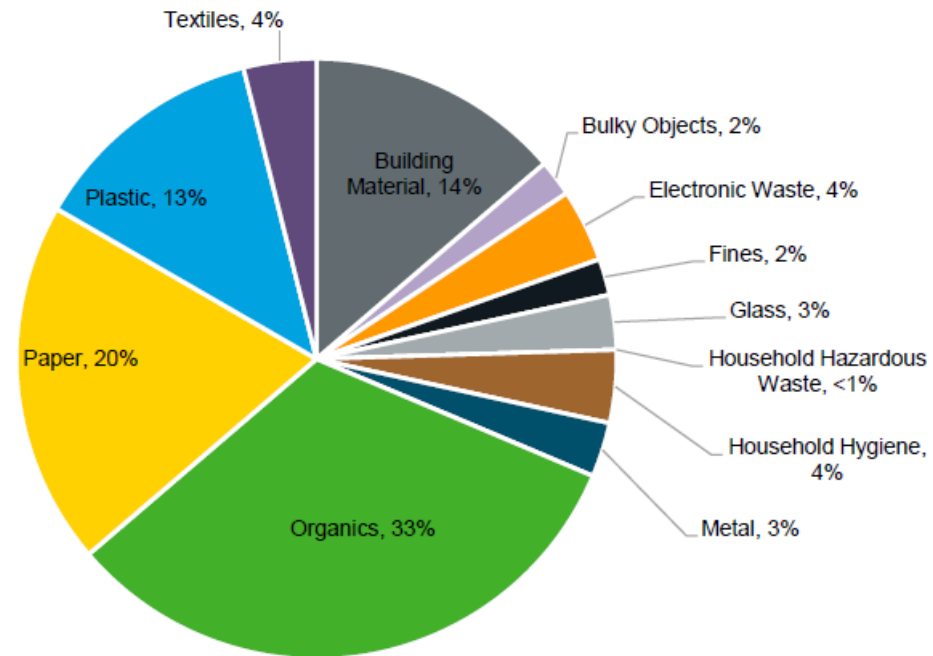


# What is being tossed?

## Multi-Family Home Garbage



## Industrial, Commercial and Institutional Garbage



# Why?

## Landfill Lifespan

- Current landfill is expected to reach capacity early Fall 2017
- Multi-Million dollar project is happening at the landfill to build a wall around it, which will add ~10 years.
- How fast the expanded landfill will fill up, depends on how much garbage we throw out as a community

## Environmental Benefits

# What is currently happening?

Materials	Landfill Tipping Fee
Recyclables (cardboard, paper, metal, glass)	FREE
Garbage, Demolition and Construction Waste	\$150 / tonne
Mixed Waste (contains more than 5% recyclable or organic material, wood or yard waste)	\$320 / tonne
Clean wood / Yardwaste	\$65 / tonne
Dirty wood (stained wood, plywood and wooden furniture that is not compostable)	\$85 / tonne
Organics	Dependent upon hauler

# Summary of Proposed Changes

*(Please provide feedback on all or any of the following changes)*

Theme of Change	What Will Change	Who Will be Affected
Waste Stream Separation	<ul style="list-style-type: none"><li>Waste stream separation of garbage, organics and recyclables is required.</li></ul>	MFH & ICI organizations and properties
Education	<ul style="list-style-type: none"><li>Written and posted information is provided on how to separate and deposit garbage, organics and recyclables</li></ul>	MFH & ICI organizations and properties
Clear Bags	<ul style="list-style-type: none"><li>Garbage must be placed in clear, non-coloured, transparent plastic bags.</li></ul>	MFH, Single-Family homes and ICI properties
Enforcement	<ul style="list-style-type: none"><li>Once education is underway, an enforcement strategy that will incorporate inspections, continued education, fines and additional waste fees will be developed.</li></ul>	MFH, Single-Family homes and ICI properties



# Waste Stream Separation

- Responsibility of the owner or occupier of premise to ensure that garbage, recycling and organics are appropriately separated prior to pick up by the waste hauler.
- MFH and ICI properties will arrange disposal directly (ex. with waste hauler or composter).
- Currently required in the bylaw for homes with curbside collection.

***Affected: MFH & ICI properties***

# Education

- Provide written information to new and existing residents, tenants, employees and contractors on how to separate waste, organics and recyclables into appropriate bins on a regular basis (*annually*).
- Post signage with information on separating the three streams on the premises and in the waste room of buildings.

***Affected: All residents and businesses in Squamish.***



# Clear Bags

- Garbage must be placed in clear/transparent plastic bags.
- Optional dark privacy bag can be included:
  - In each clear garbage bag; or
  - Alongside the clear bag in the bin
- Privacy bags will be restricted to the size:
  - Of a grocery bag; or
  - Any size

***Affected:*** All residents and businesses in Squamish.

# Clear Bags: Why

- **Cost Effective** measure for enforcement
- **Improved Worker Safety.** Protects the collector from cutting themselves on sharp objects such as broken glass or needles.
- **Keeps hazardous materials out of landfills.** Able to conduct quick assessment of the contents to ensure that it doesn't contain hazardous items.
- **Encourages Recycling**
- **Conservation of Landfill Capacity**

# Clear Bags: FAQs

## What about privacy?

- Residents are permitted privacy bags for personal items.

## Where can residents get clear bags?

- DOS staff will work with local retailers to ensure a variety of sizes of clear bags are available at stores in Squamish (including heavy duty clear bags for contractors).

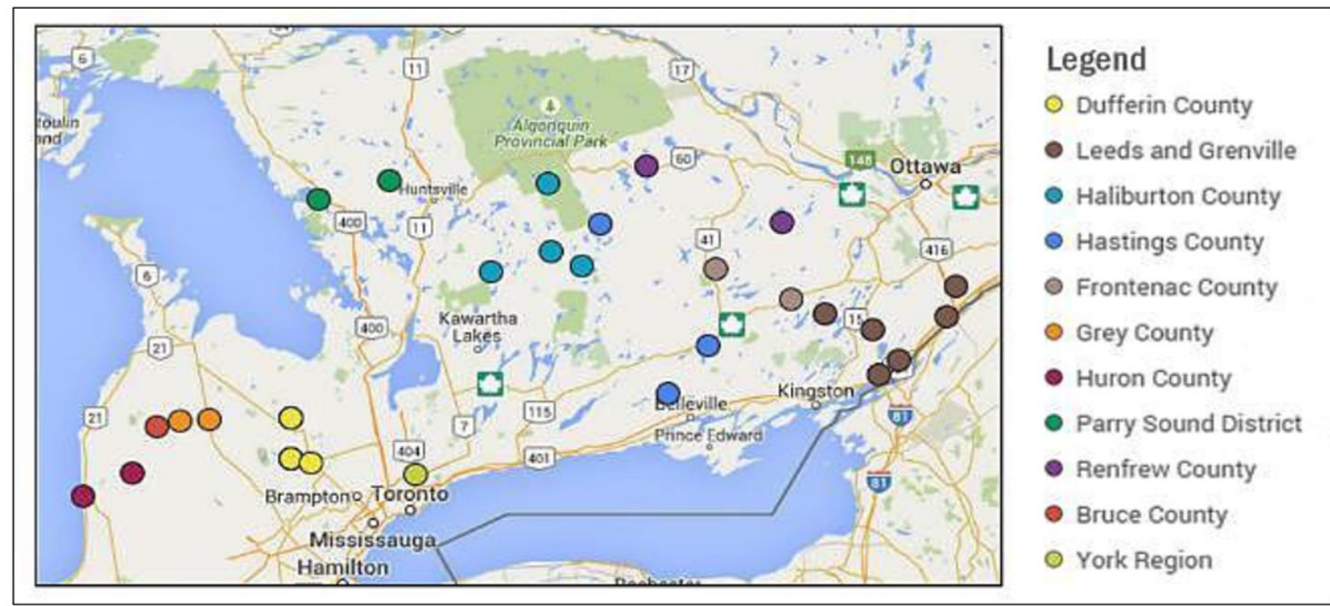
## Do clear plastic bags cost more?

- Both clear/transparent plastic and opaque plastic garbage bags are manufactured from the same type of plastic resin. The only difference between clear and opaque bags are the dyes which have been added to colour bags. From a sales perspective, the suggested retail price should be the same. Price differential would be based on bag size, closure type and brand name.

# Clear Bags: Where

- Clear bag programs were first introduced in Canada on the east coast in the early 2000's with high level of success and are receiving recognition throughout Ontario for reducing the amount of materials going into landfills.
- Nova Scotia - Reported a 41% decrease in residential garbage, a 35% increase in residential recycling, and a 38% increase in residential organics collection.
- City of Halifax saw 24% less waste landfilled since the switch to clear bags 1.5 years ago.

The Ontario municipalities and counties highlighted below are a few examples of communities that had successfully implemented clear bag programs as of 2015.



# Enforcement

If the garbage, recycling or organics bins are contaminated by >5%, by weight or volume, then it is out of compliance.

# What's Next

Phases	Timeline
Feedback and engagement around proposed bylaw amendments <ul style="list-style-type: none"><li>• Survey</li><li>• Thursday, June 15, 12 to 1 p.m., Squamish Seniors' Centre</li><li>• Monday, June 19, 6 to 7 p.m., Squamish Public Library</li><li>• Tuesday, June 20, 7 to 8 a.m., Squamish Seniors' Centre</li></ul>	June
Waste room size requirements integrated into DOS tools	June – September
DOS staff present draft bylaw to Council, with feedback from community	July
Outreach & support program to residents and businesses plan for operational changes, including infractions reported and property owners required to remedy them	Begins immediately after adoption. Length is TBD.
Enforcement begins	At the end of education period



# Outreach & Tools/Support:

## *Outreach Before the Bylaw is Developed:*

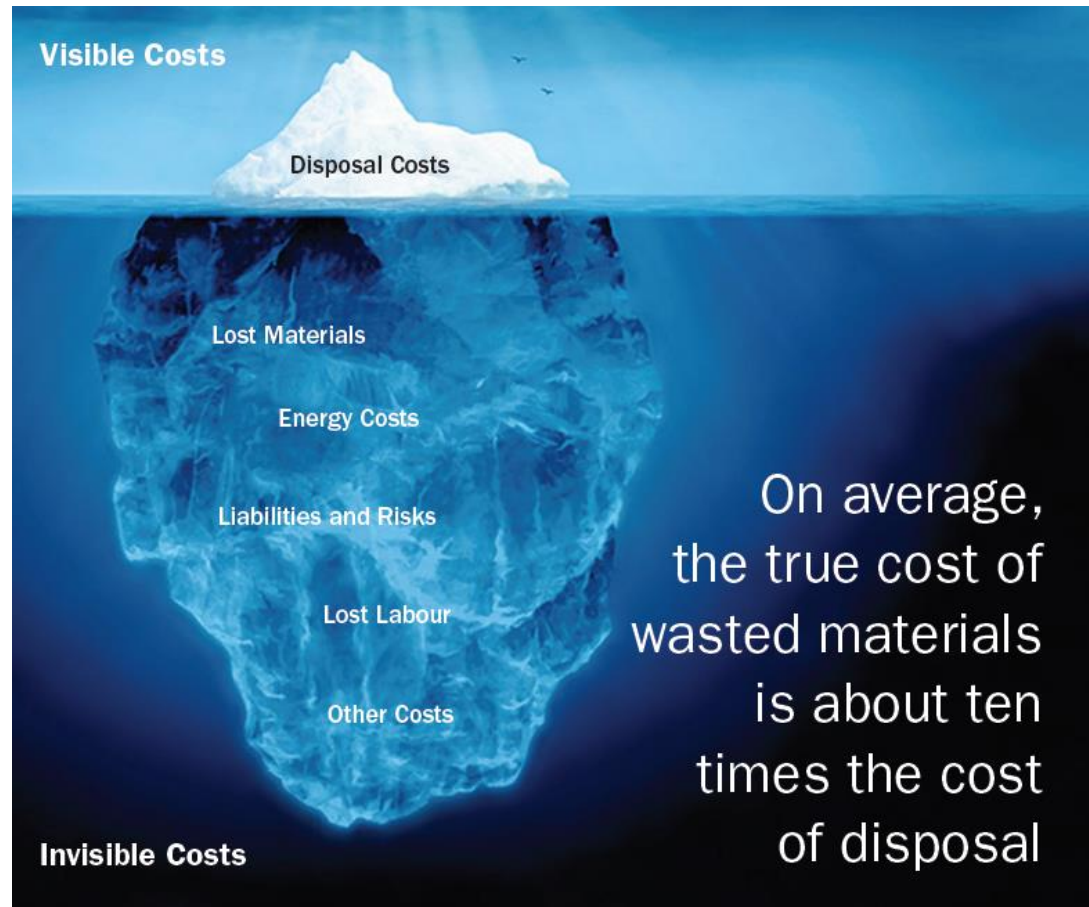
- Gathering feedback on the proposed changes
- Discussion around how properties and businesses can prepare
- Survey for the general public

## *Support After the Bylaw is Adopted:*

Informational materials that can be shared through the strata and tenants to meet the education requirements.	ICI & MFH
Signage that can be adopted to the needs of that property.	ICI & MFH
Guidance on waste room sizing, location and access.	ICI & MFH
On-site “how to sort” training sessions	MFH
Workshops on implementation, ex. how to set-up a kitchen or waste room, training staff, etc.	ICI
A 'Solutions Guides' and materials to support implementation and assist with continued training.	ICI

# Recycling and Reducing Food Waste and Organics In Your Business/Property

Why Understanding  
What Waste *Really* Costs  
You Is Important



# Outreach and Implementation Support

## Downloadable Guides & Tools

- ICI Solutions Guide
  - Supporting Tools & Checklists
- MFH Organics Education Tools
- Signage (for all facilities)
  - Option for customization

## Train The Trainer Workshops: Setting Up Systems and Training Your Team:

- Existing practices & identifying improvements
- Waste Infrastructure options
- Methods for Training Staff, Education & Monitoring
- Planning for waste

# Practical Guides and Implementation Tools: ICI Sector



A Solutions Guide:  
**Recycling and Reducing Food  
Waste in Commercial Properties**

Resort Municipality of Whistler  
whistler.ca



## Squamish Specific ICI 'Solutions Guide'

- Making the Business Case for reducing & recycling waste
- Existing practices & identifying improvements
- Waste Infrastructure options
- Training Staff, Education & Monitoring
- Planning for waste

## Appendix materials:

- Conducting a visual audit
- Identifying food waste sources
- Waste Infrastructure Options
- Purchasing for reduced waste to landfill
- Information Posters

# Practical Guides and Implementation Tools: MFH

## Squamish Specific MFH 'How-To Guide'

- Why diverting from landfill is important
- What is and is not accepted
- How to set up a home system in a MFH unit
- When collections take place

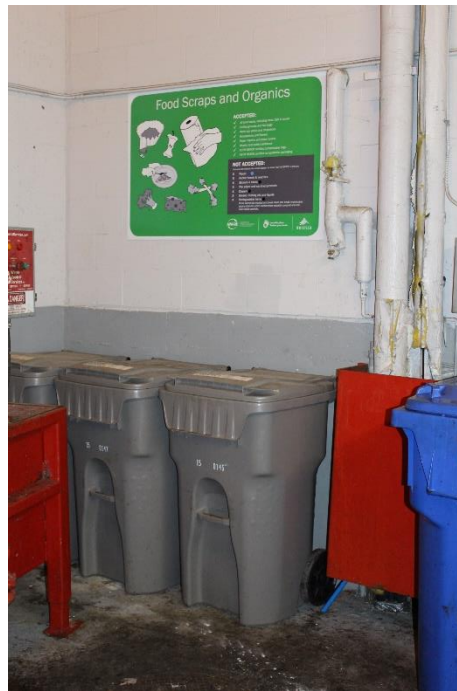
## Supporting materials:

- Downloadable Education Flyer
- Downloadable Organics Poster





# Waste Segregation Infrastructure: In Your Garbage Room



# Waste Segregation Infrastructure: In Your Business / Property



# In Closing...



- Focus on reducing waste as primary goal
- Be ready to work through intricacies relating to specific waste streams & properties
- You are not alone!



# Waste Room Requirements

*(not part of the Solid Waste Bylaw Amendment)*

- Staff are working to develop requirements for waste room sizing, location and access.
- Developed with input from Carney's and other municipalities' experiences and guidance
- Will be proposed as amendments to Development Permit Area Guidelines in the OCP, the Zoning Bylaw, and possibly other regulations.
- There will be public engagement on proposed amendments.
- Following adoption of proposed amendments, clear and thorough information on waste guidelines will be available on the District website.

# Feedback Opportunities

- Feedback Forms
- Survey (closes June 26)
- Public Events:
  - Squamish Farmer's Market Sat, June 10
  - Presentation and Q&A on the following dates:
    - Thursday, June 15, 12-1 pm at the Squamish Seniors' Centre
    - Monday, June 19, 6 to 7 p.m., Squamish Public Library
    - Tuesday, June 20, 7-8 am at the Squamish Seniors' Centre

# Questions, Discussion & Feedback

- Multi- Stream Separation
- Education
- Clear Bags
- Enforcement



Website:

[www.squamish.ca/solid-waste-utility-bylaw-update](http://www.squamish.ca/solid-waste-utility-bylaw-update)

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