

## Meeting Minutes

### Solid Waste Advisory Committee

---

Friday, March 3, 2023

12:30 PM

CRD Boardroom  
625 Fisgard Street  
Victoria, BC V8W 2S6

PRESENT: C. Blanchard, M. Coburn, J. Collins (EP), B. Desjardins (Chair), S. Gose, M. Kurschner, E. Latta (EP), M. McCullough (EP), D. Monsour, J. Oakley (EP), J. Shaw, K. Siefried (EP), R. Tooke (Vice-Chair),

STAFF: A. Chambers (Recorder), L. Ferris, A. Gilmour Ford, K. Masters (EP), A. Panich (EP), R. Smith, T. Urquhart, T. Watkins (EP)

REGRETS: F. Baker, N. Macdonald, R. Newlove, R. Pirie, J. Rintoul, W. Stevens, D. Thran, S. Young Jr.

GUEST: M. O'Gorman (DND)

EP - Electronic Participation

The meeting was called to order at 12:30 pm.

#### 1. Territorial Acknowledgement

#### 2. Approval of Agenda

Agenda for the March 3, 2023 Solid Waste Advisory Committee meeting.

**MOVED by D. Monsour, SECONDED by S. Gose**  
**That the agenda be approved as circulated.**  
**CARRIED**

#### 3. Adoption of Minutes

Minutes from the February 3, 2023, Solid Waste Advisory Committee meeting.

**MOVED by J. Shaw, SECONDED by R. Tooke**  
**That the minutes of the February 3, 2023, Solid Waste Advisory Committee meeting**  
**be adopted as circulated.**  
**CARRIED**

#### 4. Chair's Remarks

- Reinhard Trautmann and Dave Paul Jr. have resigned from the committee.
- Welcome to Wendy Stevens from HL Disposal who has been appointed as the *Owners/operators of Private Waste Management Facilities* representative on the Solid Waste Advisory Committee.
- CRD staff advertised for the three vacancies (*First Nations x 2 and Public Representative x 1*) on the committee and are reviewing applications received.
- Staff will be seeking input for the 2023 Solid Waste Management Plan Report
- Two houses set for demolition were instead given to the Songhees Nation

## 5. Committee Business

- a. Update on Coast Waste Management Association (CWMA) *Simple in Theory: Preservation, Recycling and Reuse in the Built Environment*.

A. Panich provided a brief overview on the CWMA workshop. The presentation is attached as Appendix A. The annual CWMA conference will be held in Delta October 25-27, 2023.

- b. 2022 Solid Waste Stream Composition Study

A. Gilmour Ford presented on the 2022 Solid Waste Stream Composition Study. The presentation is attached as Appendix B. The following three motions were passed and will be sent through the Environmental Services Committee.

**The Solid Waste Advisory Committee recommends to the Environmental Services Committee to recommend to the Capital Regional District Board:**

**That staff be directed to explore mandatory curbside organics collection from the municipalities around the region.**

**MOVED by R. Tooke, SECONDED by C. Blanchard  
CARRIED**

**The Solid Waste Advisory Committee recommends to the Environmental Services Committee to recommend to the Capital Regional District Board:**

**That staff be directed to develop and implement policies around diversion programs on wood and wood products, and construction and demolition waste diversion.**

**MOVED by J. Shaw, SECONDED by D. Monsour  
CARRIED**

**The Solid Waste Advisory Committee recommends to the Environmental Services Committee:  
That staff be directed to prioritize the reduction and reuse categories in the Solid Waste Management Plan to assist in reaching the waste disposal goals.**

**MOVED by K. Siefried, SECONDED by R. Tooke  
CARRIED**

- c. Actual and Projected Monthly Refuse Tonnages at Hartland Landfill (standing item)

The tonnage graph is included via this link: <https://www.crd.bc.ca/about/data/hartland-landfill-tonnage>

## 6. Correspondence

There was no correspondence.

## 7. Next Meeting

The next Solid Waste Advisory Committee meeting will be April 21, 2023.

## 8. Closing Comments

There were no closing comments.

## 9. Adjournment

The meeting was adjourned at 14:10.

**MOVED by J. Shaw, SECONDED by D. Monsour  
That the Solid Waste Advisory Committee be adjourned.  
CARRIED**



**Overview of  
Coast Waste Management Association  
February 16, 2023 Presentation**  
*Simple in Theory:  
Preservation, Recycling, and Reuse in the Built Environment*

Presented to Solid Waste Advisory Committee

*March 3, 2023*

# Overview of Coast Waste Management Association

The logo for CRD, consisting of the letters 'CRD' in a white, stylized font on a teal background.

Member based : 170 organizations

Private sector, local and regional governments, non-profit organizations

Activities: recycling, composting, deconstruction, extended product stewardship, policy development and analysis, waste disposal, environmental education and consulting, solid waste facility management

Annual conference-hybrid event October 25-27, 2023

Events throughout the year



CWMA Presentations & Panel Discussion

# Simple in Theory: Preservation, Recycling, and Reuse in the Built Environment

**As always, CWMA Virtual events include time for discussion with a goal to inform each other about initiatives and provide an opportunity to discuss challenges and opportunities.**

Built Environment defined: The built environment touches all aspects of our lives, encompassing the buildings we live in, the distribution systems that provide us with water and electricity, and the roads, bridges, and transportation systems we use to get from place to place. In this case, we will include discussion on development, construction, salvage, building material recycling and deconstruction.

– DETAILS –

Thursday, February 16, 2023 | 10:00 AM – Noon PST |  
Virtual Event

It seems simple to just use what already exists from demolishing or when building: to salvage, reuse, and recycle materials, and to preserve existing structures... but is it simple?

Let's hear from organizations working to overcome barriers, build the processes and motivation in BC for preservation, recycling, and reuse in the built environment — then let's discuss together what we can all be doing better or differently to move from theory to everyday practice...

- Perspective: The big picture — Let's have a broad view of the obstacles and current trends (Light House Sustainability Society)
- Perspective: Preservation — Relocating homes and extend their life (Renewal Home Development)
- Perspective: Recycling — Using recycled aggregate in local projects (Lehigh Hanson/ Heidelberg)
- Perspective: Salvaging — Salvaging and distributing materials for reuse. (The ReUse People Canada)
- Perspective: Construction Industry — Current adoption and future outlook. (Vancouver Island Construction Association)
- Perspective: Yours — Have something to add to this conversation? (research, new ideas, future plans, etc) email us to be added to the facilitated discussion!

## Simple in Theory:

# Preservation, Recycling, and Reuse in the Built Environment Summary



### **Light House Sustainability Society:**

- Vancouver based, specialize in regenerative built environments
- Estimate ~2500 home demolitions in Metro Vancouver/year  
~20% eligible for home relocation (500)

### **Renewal Home Development:**

- Partner with Nickel Brothers to relocate and repurpose high value homes in the Pacific Northwest
- Home Donation Model
- Build policies around triaging demo

### **Heidelberg Materials:**

- Recycle concrete aggregate for road/sub-base
- Cost of raw materials reduced
- Less processing and transportation - energy reduction

### **The ReUse People:**

- Salvage and distribute materials for reuse
- 30%-35% of embodied carbon is in lumber

### **Vancouver Island Construction Association:**

- Serves the industrial, commercial and institutional and multi-family construction sectors
- Early incentive to unbuild/deconstruct

**Questions?**

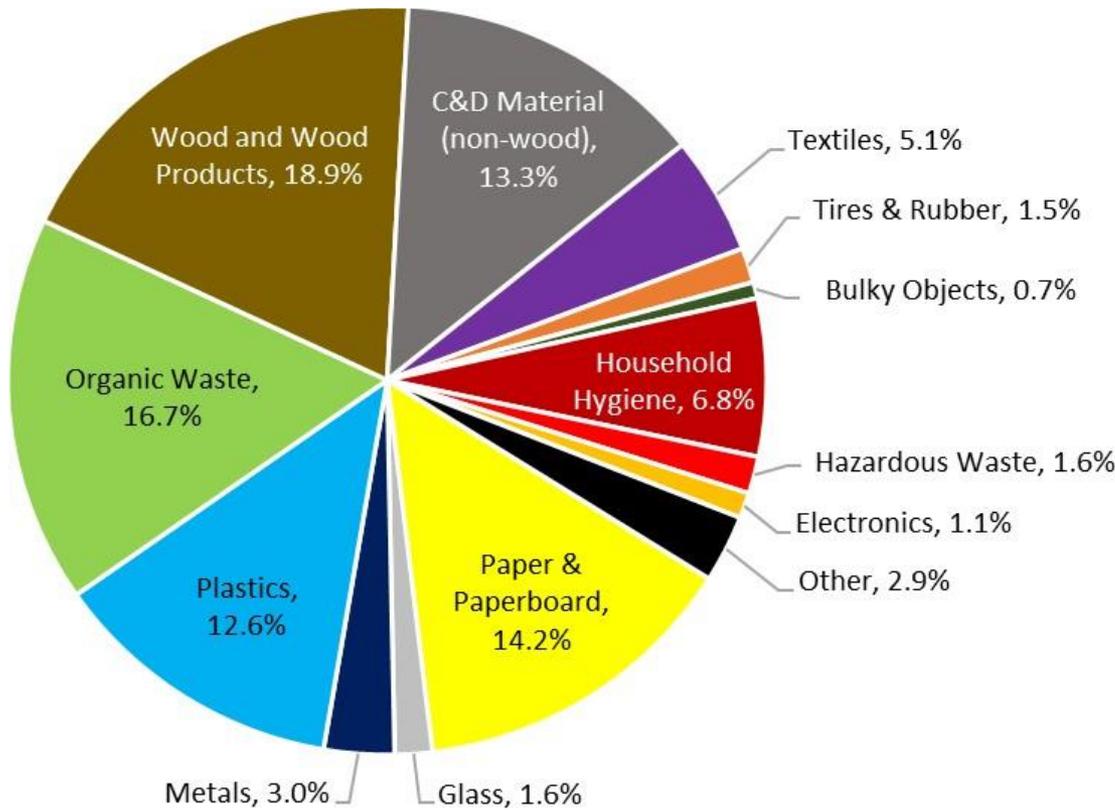


# 2022 Solid Waste Composition Study

Presented to Solid Waste Advisory Committee

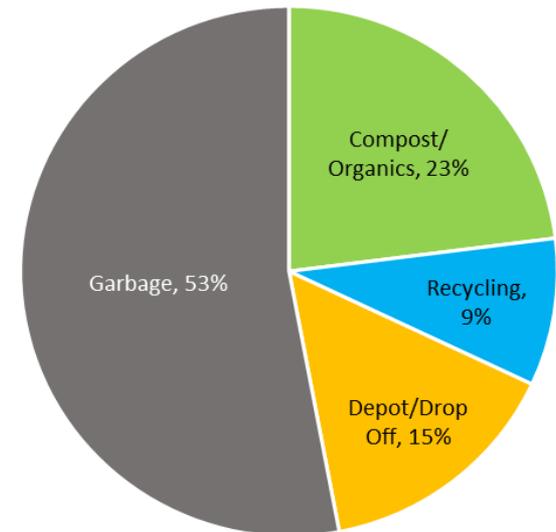
*March 3, 2023*

# Combined Results



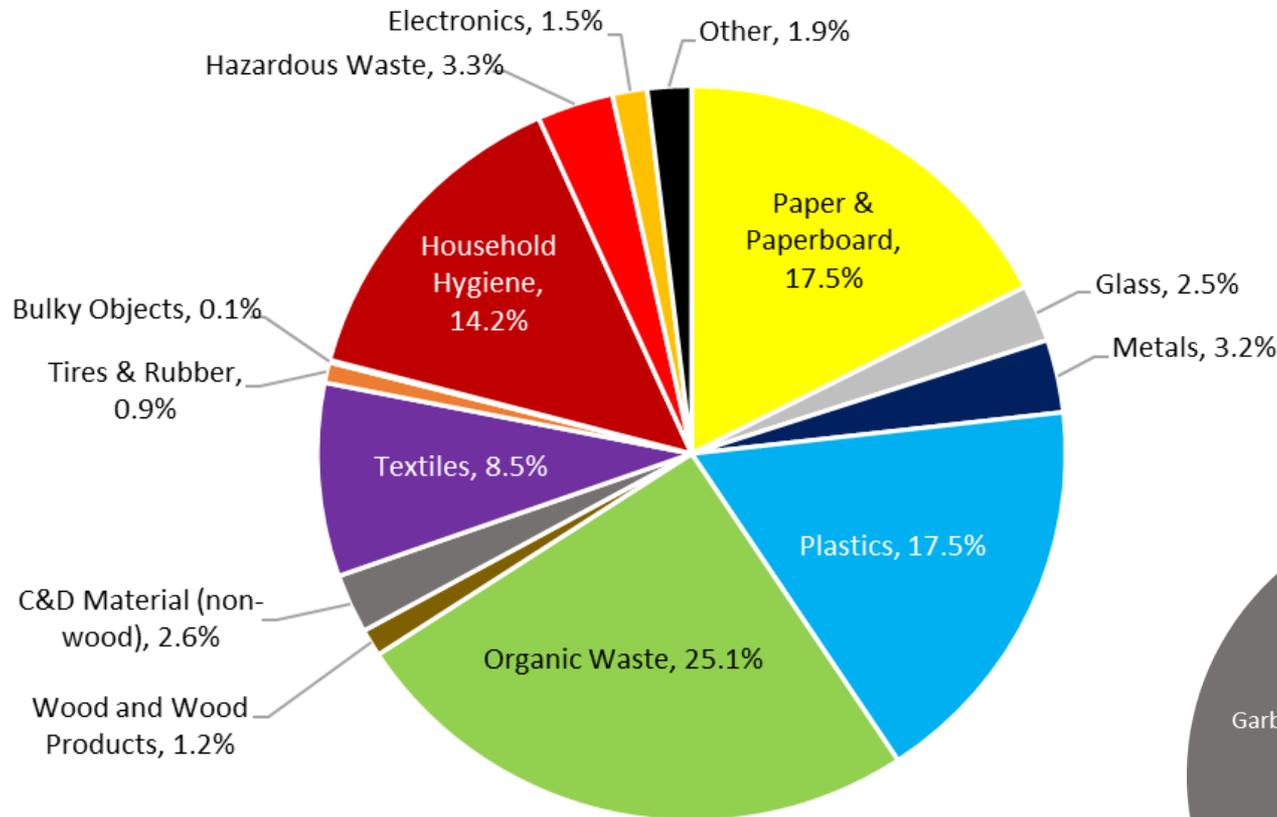
Composition of the Overall Garbage Stream

Sector	Proportion of Waste Disposed
Single Family (SF)	24.2%
Multi-Family (MF)	13.4%
Industrial, Commercial, Institutional (ICI)	35.8%
Drop Off (DO)	3.9%
Construction & Demolition (C&D)	22.7%

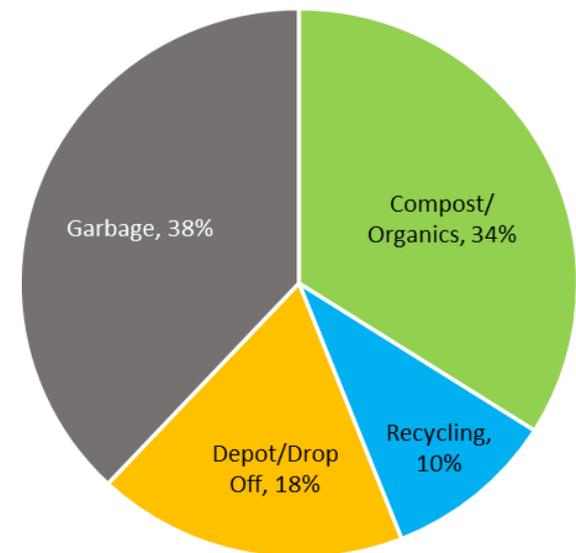


Diversion Potential of the Overall Garbage Stream

# Single-Family Results

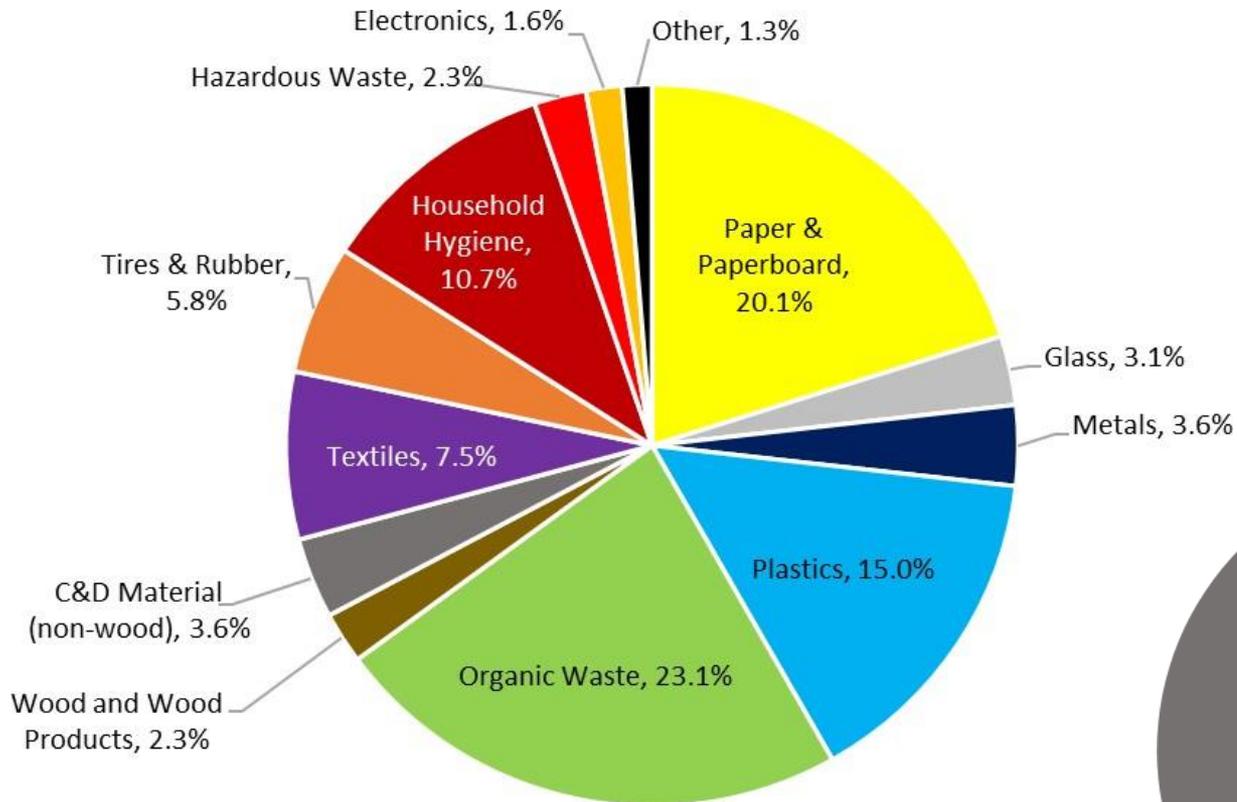


Composition of the SF Garbage Stream

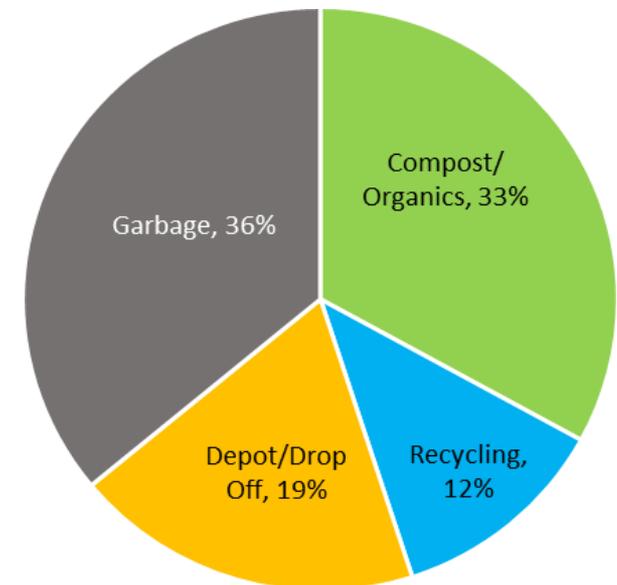


Diversion Potential of the SF Garbage Stream

# Multi-Family Results

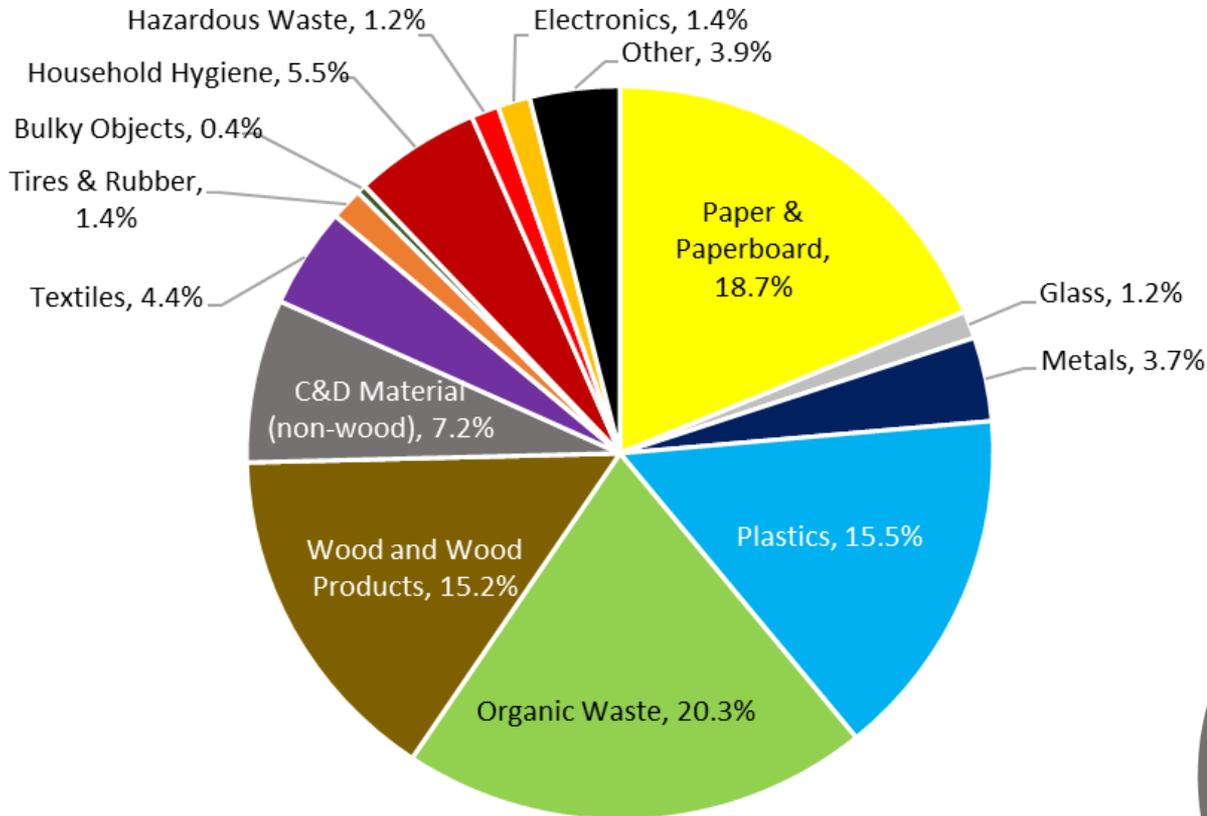


Composition of the MF Garbage Stream

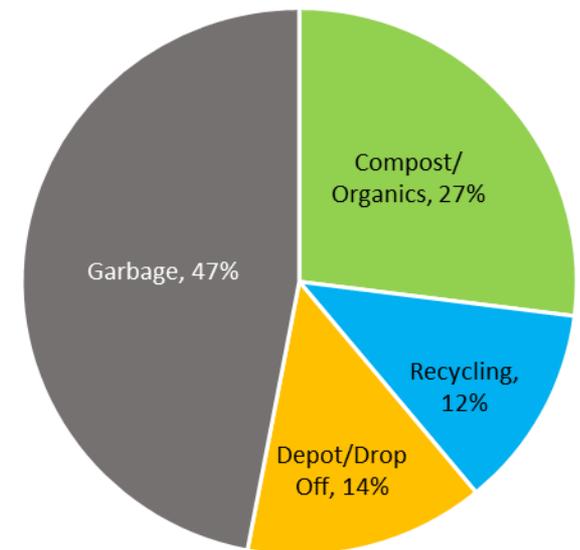


Diversion Potential of the MF Garbage Stream

# Industrial, Commercial, Institutional (ICI) Results

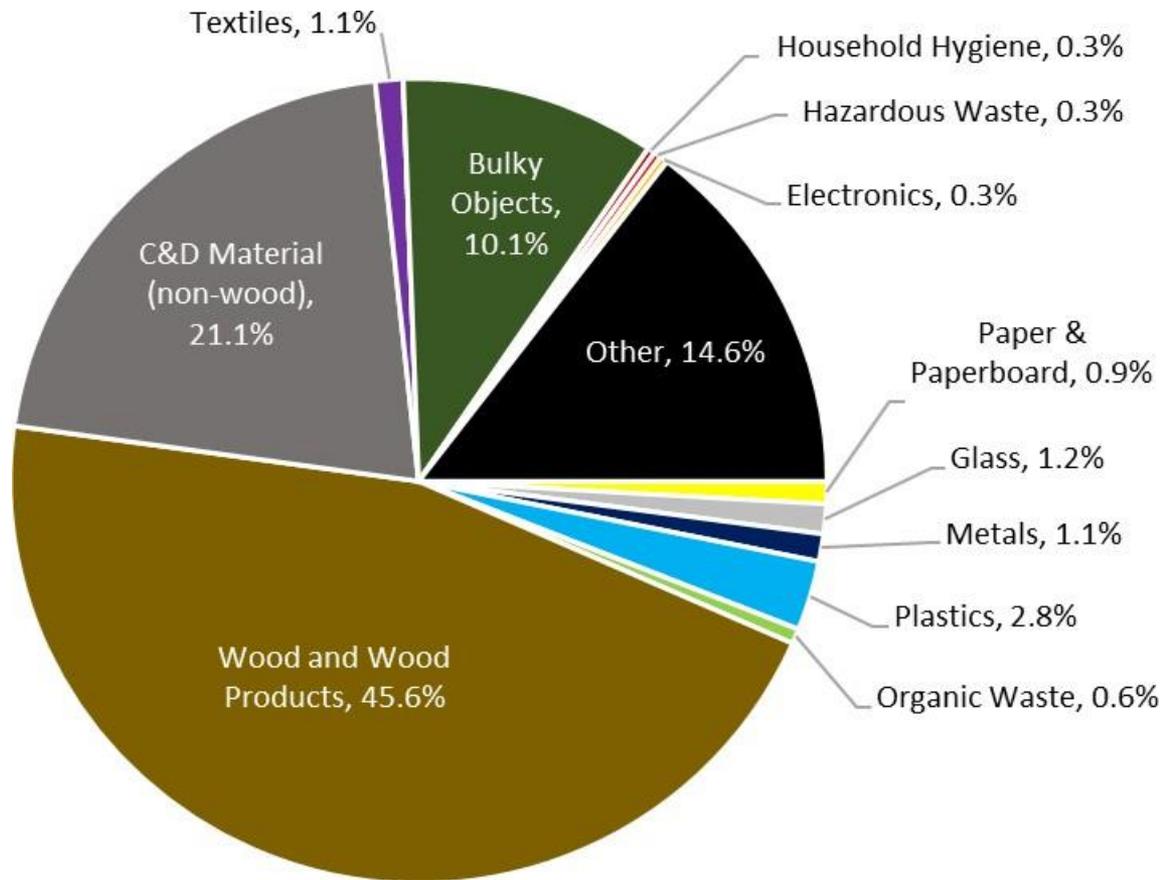


Composition of the ICI Garbage Stream

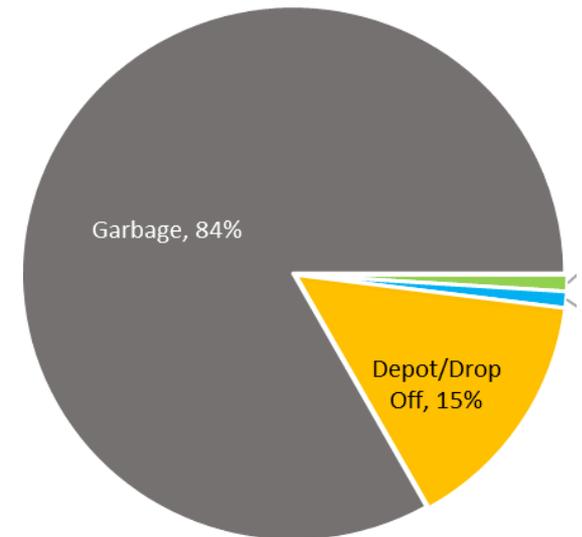


Diversion Potential of the ICI Garbage Stream

# Public Drop Off Results

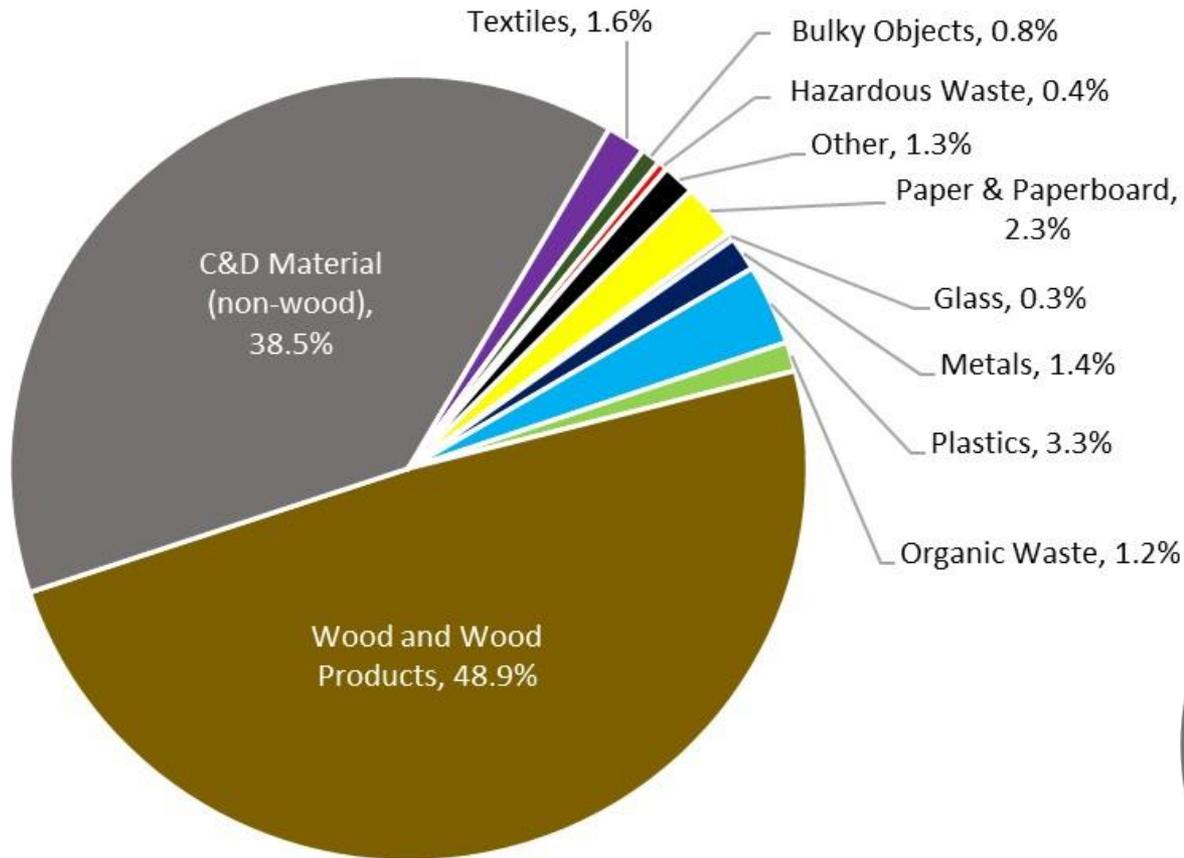


Composition of the DO Garbage Stream

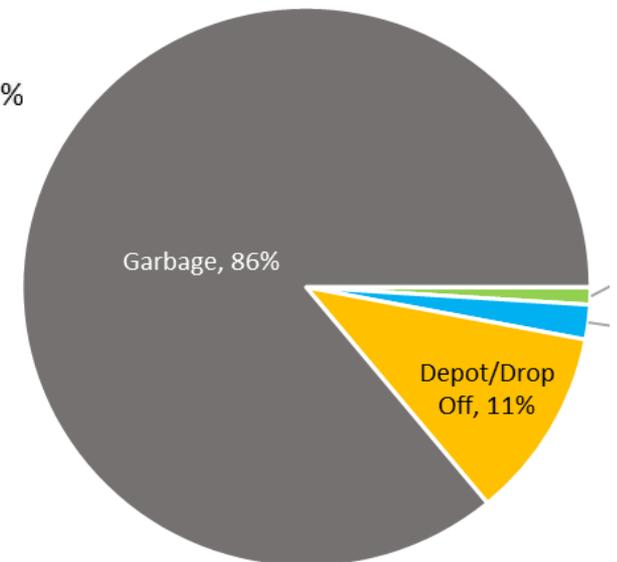


Diversion Potential of the DO Garbage Stream

# Construction & Demolition Results



Composition of the C&D Garbage Stream



Diversion Potential of the C&D Garbage Stream

# Historic Waste Composition Comparison



Primary Category	2009/2010 <sup>1</sup>	2016	2022	Change (2016 to 2022)
	Weighted Average Composition (%)			
Paper and Paperboard	15.5%	15.4%	14.2%	-1.2%
Glass	1.9%	1.7%	1.6%	-0.1%
Ferrous Metals	2.3%	1.8%	0.3%	-1.5%
Non-ferrous Metals	0.6%	0.7%	2.7%	2.0%
Plastics	12.5%	14.3%	12.6%	-1.7%
Organics	27.7%	21.1%	16.7%	-4.4%
Wood and Wood Products	12.2%	17.0%	18.9%	1.9%
C&D (non-wood)	7.4%	6.7%	13.3%	6.6%
Textiles	5.3%	5.9%	5.1%	-0.8%
Tires	0.7%	0.8%	1.5%	0.7%
Bulky Objects	0.6%	1.3%	0.7%	-0.6%
Household Hygiene	8.9%	6.9%	6.8%	-0.1%
Hazardous Wastes	0.7%	1.8%	1.6%	-0.2%
Electronics	1.8%	1.8%	1.1%	-0.7%
Other	1.9%	2.7%	2.9%	0.2%

# Organics Material Category Analysis

Historic comparison of the estimated tonnes and kg/capita of organics from all sectors landfilled from the 2010, 2016 and 2021 waste composition studies.

	2010	2016	2021	Change 2010-2021 (%)	Change 2016-2021 (%)
Population	369,791	378,232	432,062	16.8%	14.2%
Organics Landfilled (tonnes)	46,592	28,485	28,872	-38.0%	1.4%
Organics Landfilled (kg/capita)	126	75	67	-47.0%	-11.3%

# Organics Material Category Analysis by Sector



Historic comparison of the estimated tonnes of organics landfilled by sector from the 2016 and 2021 waste composition studies.

Sector	Landfilled (tonnes)		Change (2016-2022)
	2016	2022	
Single-Family	9,518	10,460	9.9%
Multi-Family	5,458	5,352	-2.0%
ICI	12,897	12,564	-2.6%
Drop Off (DO)	567	40	-92.9%
C&D	43	471	990.1%
<b>Overall</b>	<b>28,485</b>	<b>28,872</b>	<b>1.4%</b>

Historic comparison of the estimated kg/capita of organics landfilled by sector from the 2016 and 2021 waste composition studies.

Sector	Landfilled (kg/capita)		Change (2016-2022)
	2016	2022	
Single-Family	25.2	24.2	-3.8%
Multi-Family	14.4	12.4	-14.2%
ICI	34.1	29.1	-14.7%
Drop Off (DO)	1.5	0.1	-93.8%
C&D	0.1	1.1	854.3%
<b>Overall</b>	<b>75.3</b>	<b>66.8</b>	<b>-11.3%</b>

# Solid Waste Management Plan



## Goals

Have informed citizens who participate effectively in proper waste management practices

Surpass the provincial per capita waste disposal target

Extend the life of Hartland Landfill to 2100 plus

Ensure that the CRD's solid waste services are financially sustainable

## Strategies

### REDUCTION & REUSE

1. Continue and Enhance Education Programs
2. Encourage Waste Prevention
3. Support Reduction of Avoidable Food Waste
4. Support Reuse Activities in the Region
5. Support Local Governments in Working Towards Zero Waste and a Circular Economy
6. Continue and Enhance Policy Development

### RECYCLING

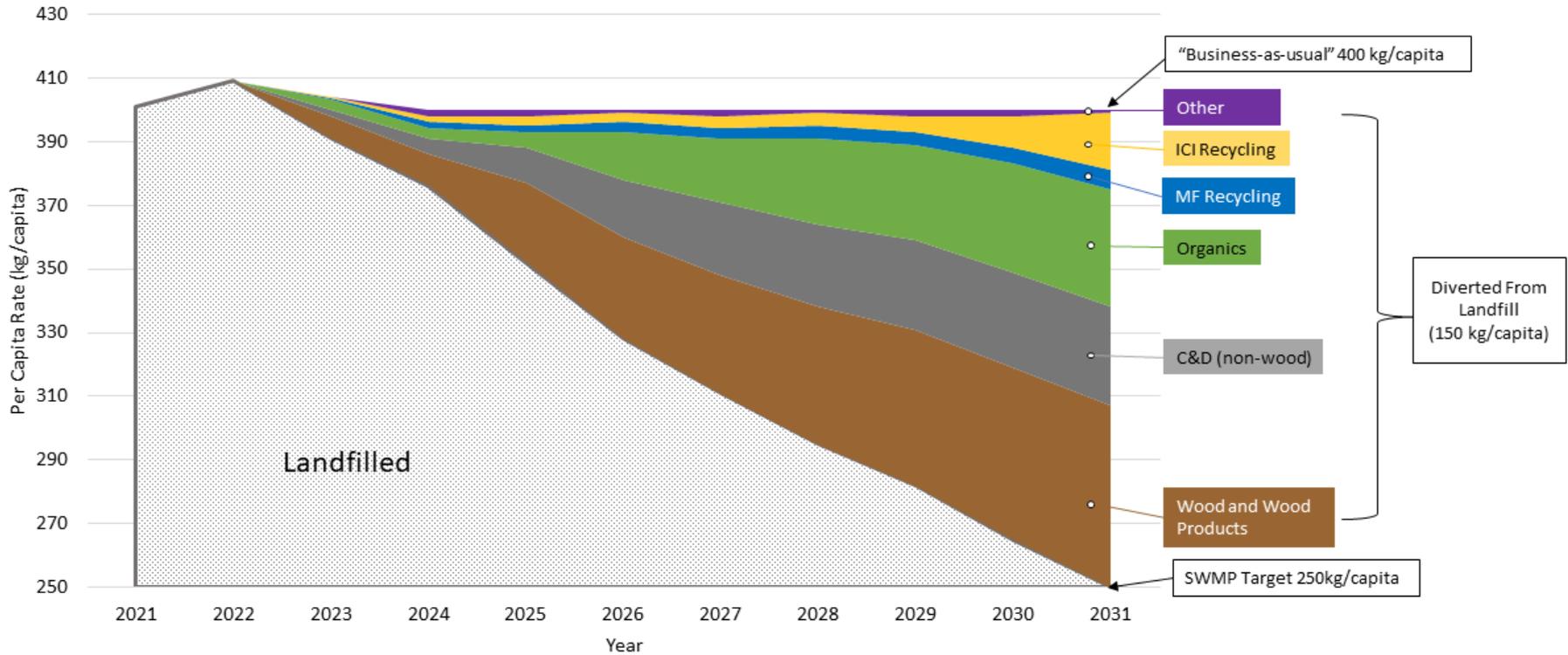
7. Increase Residential Diversion
8. Increase Multi-Family Diversion
9. Increase Industrial, Commercial and Institutional Diversion
10. Support Existing and New Extended Producer Responsibility Programs
11. Increase Organics Diversion and Processing Capacity
12. Increase Construction, Renovation, and Demolition Material Diversion
13. Encourage Proper Public Space Waste Management Activities

### RECOVERY & RESIDUALS MANAGEMENT

14. Optimize Landfill Gas Management
15. Enhance Hartland Disposal Capacity

# Pathway to 250 kg/capita

Conceptual Pathway to Regional Waste Disposal Rate of 250 kg/capita



**Questions?**