

Background

Background slide content including photos of recycling bins and a pie chart.

Current Practice

Current Practice slide content including a flowchart and a photo of a recycling bin.

Future Direction

Future Direction slide content including a photo of a recycling bin.



Waste Reduction and Diversion



Calgary Board of Education

Thank You!

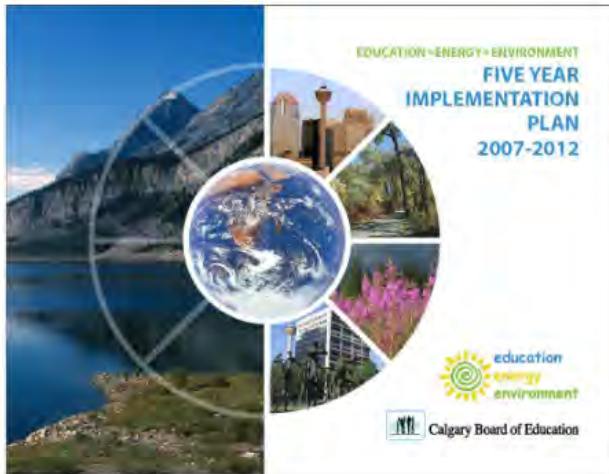
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Waste Reduction and Diversion



Calgary Board of Education

Largest public school board in Western Canada:
107,000 students, 13,000 employees
225 schools, 8 admin sites



The Calgary Board of Education is a model of local and global environmental stewardship.



Waste baseline (2006/2007):
2500 yd 3/wk (regular pick up) +
90 yd 3/wk (on call)

Equal to filling up an Olympic size
swimming pool every week

CH2M Hill (2007/2008)

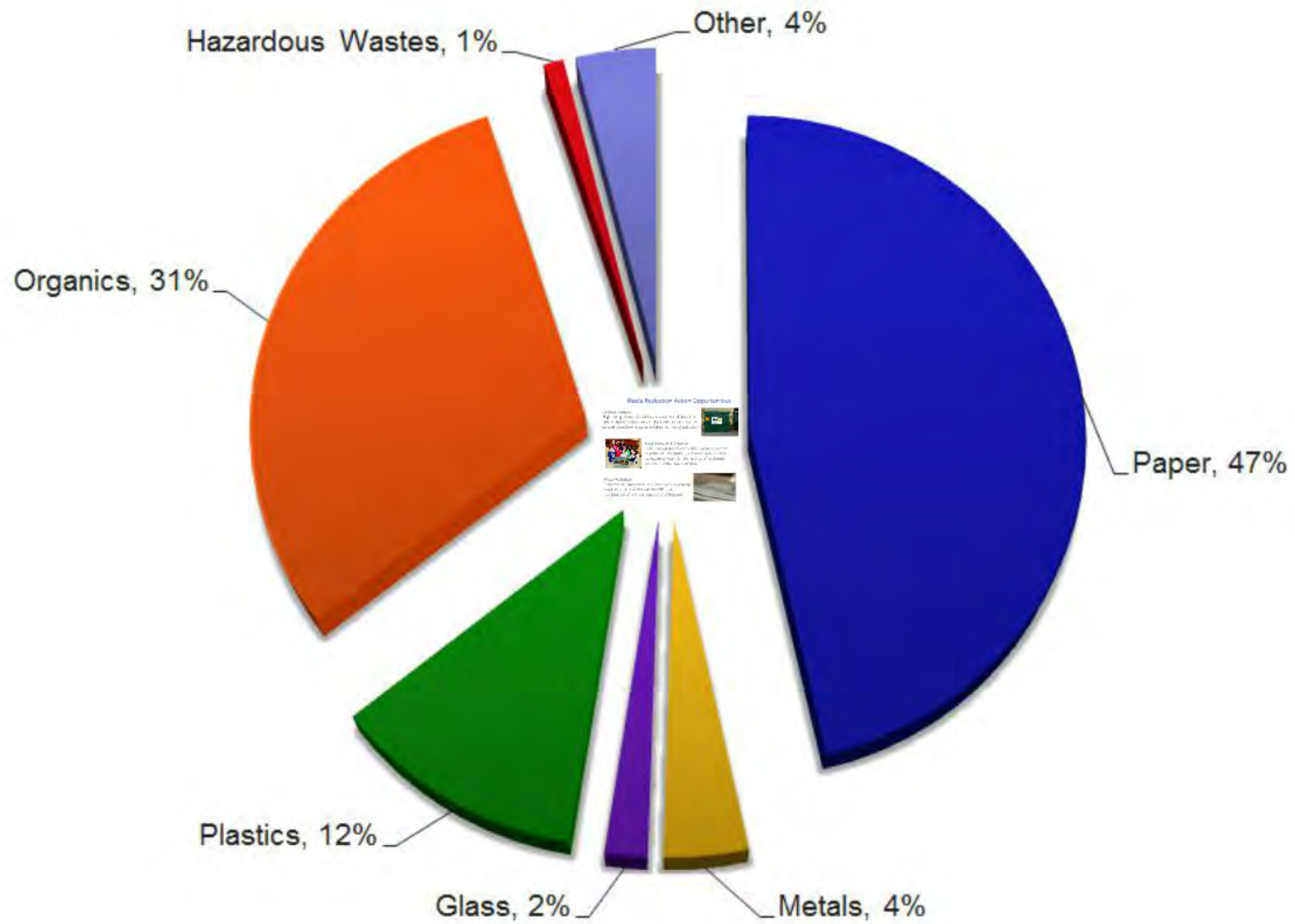
Solid Waste Reduction and Diversion Strategy and Opportunity
(WRS) Report

4 Year Waste Reduction Implementation Plan

GOAL:

Reduce our Waste to
Landfill by 50% by 2012

Solid Waste Characterization



Waste Reduction Action Opportunities

Contract Focused

"Right sizing of bins should be evaluated for all sites, but specifically for facilities with multiple bins, or bins that are generally less than 75 percent full at the time of collection."



Food Waste and Organics

"Educate keen teachers, facility operators, and/or students on the benefits and techniques of vermi-composting. Promote this method of food waste reduction at the classroom level."



Paper Reduction

"Implement a waste reduction information campaign targeted at all staff through the CBE. Use a combination of in-house experts or champions."

Success!

As of December, 2012 the CBE exceeded its waste reduction goal, with a waste reduction of 54% in kilograms per month and a 55% waste reduction in kilograms per students, per month, from 2007-08 levels.



cost

waste to landfill

consumption



recycling

education & awareness

action

Waste Reduction & Recycling Programs

Co-Mingled
(Mixed Paper & Mixed Containers)
186 schools



Ewaste
89,795 kg (2012)

Scrap Metal



Organics (Green Cart)
39 schools
Composting on Site
23 schools

Batteries
5,610 kg
(since June 2009)



Ink Cartridges



Fluorescent Lights
16,007 lights (since Oct 2012)



Wood Recycling
1017 yd 3 or
150,231 kg (since June 2011)



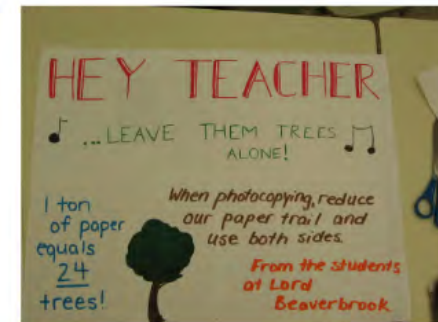
Library Books and Textbooks
1300 tonnes (since 2007)



WESTERN CAMPUS RESOURCES
Your Source for Textbooks in Canada



Waste Reduction & Recycling Programs



Setting a New Goal



Target 31

By 2036, 85 per cent of the waste generated within Calgary is diverted from landfills.

Waste Management Target 1

By 2020, achieve 80% diversion of waste from City-run landfills.



THE CITY OF
CALGARY

Proudly serving a great city



GOAL:
Reduce our Waste to Landfill by
80% by 2020 (from 2007-08 levels).



**Calgary Board
of Education**



New Waste Reduction Action Opportunities

Contract Focused

Monitor the effectiveness of the CBE's waste reduction initiatives and centralized recycling programs at individual schools by conducting waste assessments.



Paper Reduction

Continue to implement a waste reduction information campaign targeted at all staff through the CBE. Use a combination of in-house experts or champions.

Food Waste and Organics

Encourage the system-wide use of the centralized organics collection program.



Thank You!

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**Calgary Board
of Education**

