

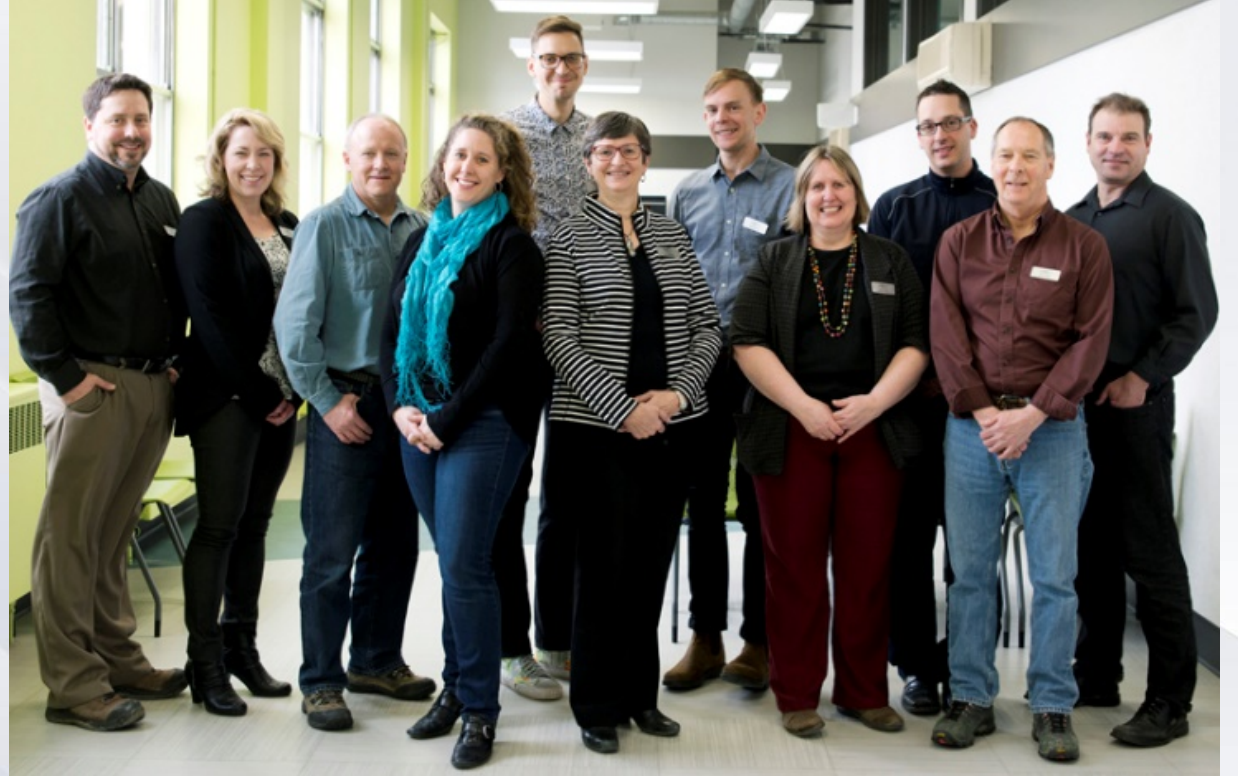
# Keeping (nearly everything) out of landfill

Saskatchewan Public Works Association Workshop

October 20, 2016

# Saskatchewan Waste Reduction Council

- 25 years old!
- Multi-stakeholder
  - Municipal/government
  - Business/industry
  - Citizens





# SWRC – Recycling Database – swrc.ca



The screenshot shows the homepage of the Saskatchewan Waste Reduction Council's Recycling Database. The background is a dark, textured image of various recycling materials. At the top left is the SWRC logo, which consists of the text "SASKATCHEWAN WASTE REDUCTION COUNCIL" next to a stylized circular graphic of overlapping leaves in shades of green and blue. To the right of the logo is a horizontal navigation menu with the following items: SERVICES, EVENTS, NEWS, RECYCLE, COMPOST, ABOUT, and a magnifying glass icon for search. Below the navigation menu, the main heading "Where do I recycle my..." is displayed in a large, white, sans-serif font. Underneath the heading is a short paragraph: "Saskatchewan Waste Reduction Council helps you find the best places to recycle anything from your home and workplace. Select a location and material to find out how you can recycle." Below this text is a search interface consisting of three main elements: a white dropdown menu labeled "Select a Community" with a downward arrow, another white dropdown menu labeled "Find your Material" with a downward arrow, and a green rectangular button labeled "SEARCH" in white capital letters. To the right of the "SEARCH" button is the text "Keywords".

# Recycling Database-- Sample Result

## Batteries (Household) Recycling in Moosomin

Glasser's TV Services  

Moosomin

Batteries (Household)

### Services:

Accepts old rechargeable and old disposable batteries for recycling on behalf of the Call2Recycle program including: Alkaline (Single Use), Lithium Ion (Li-ion), Lithium Primary, Nickel Cadmium (Ni-Cd), Nickel Metal Hydride (Ni-MH), Nickel Zinc (Ni-ZN) and Small Sealed Lead (Pb).

### This location also accepts:

- o Cell Phones
- o Ink Cartridges / Toner Cartridges

### Restrictions:

Do not accept: Sealed Lead (Pb) batteries weighing more than 2 lbs.

[Learn more...](#)

Last Updated: June 1, 2016

— Glasser's TV Services - 629 Main Street

Address: 629 Main Street

Mon - Sat: 9:00 AM - 5:30 PM

Sun: Closed

Phone: 306-435-3040

[Map](#)

4500+ listings,  
province-wide

SASKATCHEWAN  
WASTE  
REDUCTION  
COUNCIL



# Database feedback – [database@swrc.ca](mailto:database@swrc.ca)

- New programs
- Errors, clarifications
- Feedback on use -- how well did it work?



*Image courtesy of imagerymajestic at FreeDigitalPhotos.net*



**Minimalism: A Documentary**  
Celebrate Waste Reduction Week with a documentary about the important things.

**2016**  
October 20



**Rubbish**  
A reservation you won't want to waste

**2016**  
October 19

swrc.ca

## What's New



**Humboldt Kidsport's Compost Pick-up Sees Huge Uptake In The News**

The Humboldt chapter of Kidsport is raving about the success of their compost pick-up fundraiser that just wrapped up. This year they raised...



**Freeze. In the Dark. And Eat your Leftovers.**  
SWRC Blog

Those who advocate conserving energy have been accused of wanting us all to 'freeze in the dark.' Okay, so the drama queens who resist change...



**Why I love my travel mug**  
Green Living Blog

Do you have a travel mug that you love? One that you will gladly drag with you everywhere because it perfectly meets your needs? I wasn't convinced...

SASKATCHEWAN  
**WASTE  
REDUCTION  
COUNCIL**



# I want to know about...

SWRC maintains a collection of information on how to recycle a wide variety of materials. Select a resource below or from the search box to find out recycling information for your material.

Choose a Resource



GO



3Rs Lifestyle



Agricultural Plastics



Batteries



Beverage Containers



Carpet



Compost



Construction,  
Renovation &  
Demolition (CRD)



Drywall



Electronic Waste  
(E-Waste)



Fluorescent Bulbs



Food Waste



Glass



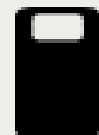
Green Events



Household  
Hazardous Waste



Industrial,  
Commercial &  
Institutional (CCI)



Mattresses



Mercury



Metals

swrc.ca

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WASTE  
REDUCTION  
COUNCIL



# SWRC – Conferences & Workshops



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REDUCTION  
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# SWRC – Waste Reduction Week in Canada



October 17-23, 2016  
(Happy Waste Reduction Week!)

- Focal point for waste reduction education and activities
- Proclaim it in your community
- Schedule events
- Highlight waste reduction messages
- Partner with schools
- [wrwcanada.com](http://wrwcanada.com)

# SWRC – Sask. Waste Minimization Awards

- Recognize excellence in waste reduction in Saskatchewan
- Nominations due February 17, 2017
  - Lifetime achievement
  - Individual
  - Youth/School/Youth Service Organization
  - Corporation
  - Small Business
  - Municipality
  - Partnerships
  - Festivals or Events
- Sponsored by SaskTel
- [swrc.ca/events](http://swrc.ca/events)



# SWRC -- Composting

- Promote home composting
  - Training Compost Coaches
  - Home composting research
  - City of Saskatoon coordination
- Compost Field Days
- Onsite composting research



swrc.ca/compost

Choose a Resource



GO

# Compost



Compost is a humus-rich soil amendment created out of decayed or decaying organic matter. Compost is made by breaking down organic waste (such as kitchen scraps, garden plants, grass clippings, leaves, chipped wood, paper products, or manure) in a controlled environment to create a rich, crumbly product that improves soil texture and fertility.

There is no shortage of good reasons to compost.

## Resource Links

[Compost Events in Saskatoon](#)

[Video: Home Composting on the Prairies](#)



## Downloads

[Dishing the Dirt - Full Report](#)

## Categories

[Home Compost: What's Your Composting Style?](#)

[Large-Scale Composting](#)

[Composting and other Down-to-Earth Alternatives](#)

[Composting Materials Treated with Pesticide](#)



swrc.ca/compost

Choose a Resource



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## Dishing the Dirt

A Compost Solution for Every Situation



# Back yard compost research project

SASKATCHEWAN  
WASTE  
REDUCTION  
COUNCIL



Choose a Resource



GO

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swrc.ca/compost



swrc.ca/quiz

[Back](#)

[Home](#)

## What's Your Composting Style?

Compost is a great way to get green, and there are many ways to do it. Find out what kind of compost method fits for you.

[TAKE OUR QUIZ](#)



© Background Joi Ito 2007



# SWRC – Current Issues

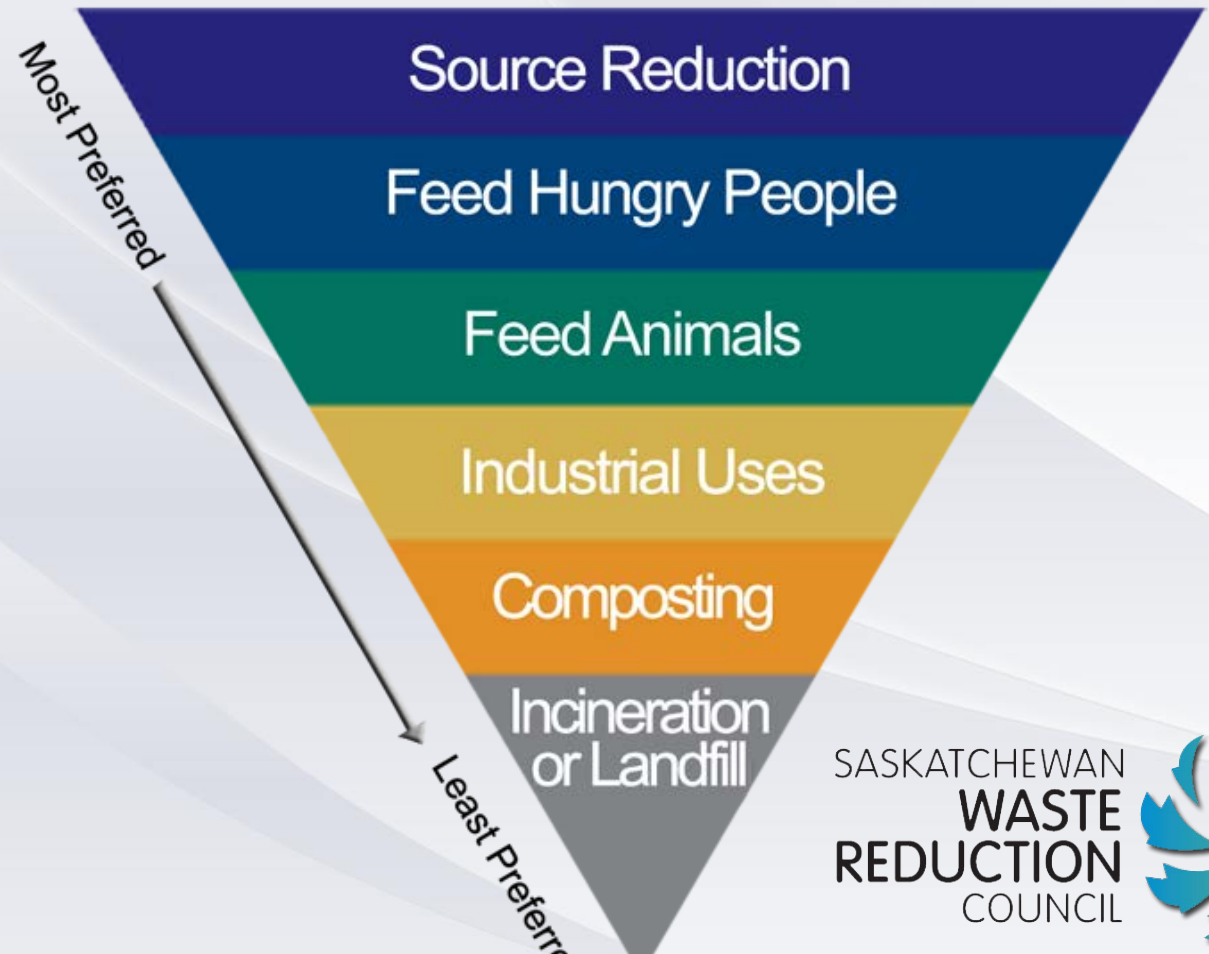
- Household hazardous waste



# SWRC – Current Issues

- Food waste reduction

## Food Recovery Hierarchy



**LOVE**  
**FOOD**  
hate waste

SASKATCHEWAN  
WASTE  
REDUCTION  
COUNCIL



# SWRC – Current Issues

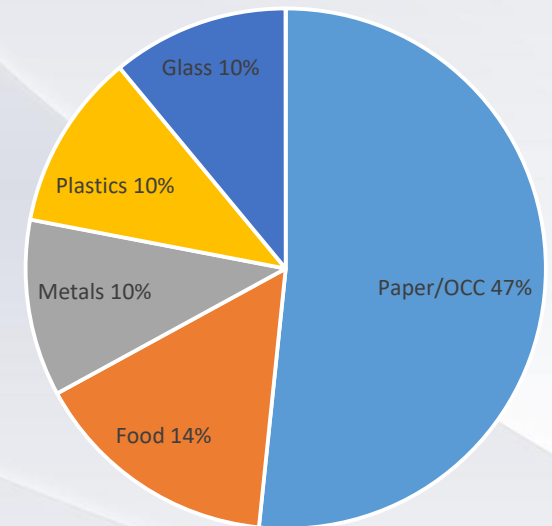
- Expanding the electronics recycling program



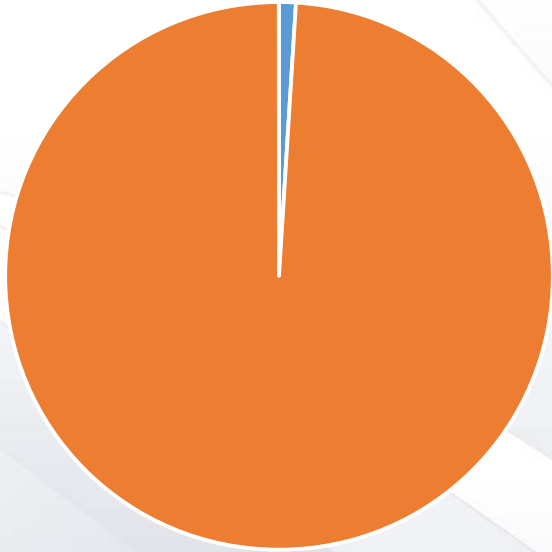
# SWRC – Current Issues

- Non-residential recycling – 2/3 of waste in landfills
  - Landfill bans?
  - Mandatory recycling for ICI?

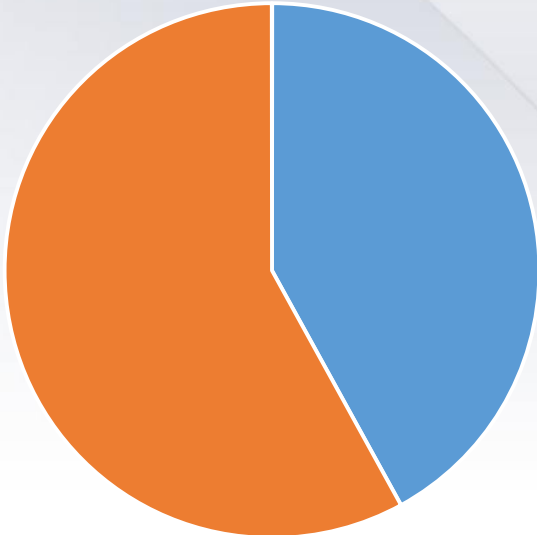
ICI Waste Composition



Yard Waste – Winter – 1%



Yard Waste - Summer - 42%



# What's in the waste stream?

- Yard waste: grass, garden waste, leaves, trees/branches
- Depends on:
  - Yards vs apartments
  - Age of neighbourhoods (trees)
- A summer thing



# Yard Waste – Keeping it out

- Grasscycling (first R – Reduction)
- Use leaves for mulch
- Back yard composting
- Community scale composting
- Trees (non-elm) & Branches
  - grind – use for mulch +/- or compost
  - Firewood



# What's in the waste stream?

- Food Waste: leftovers, spoiled food, food preparation scraps
- ~20 percent
- Trend: lots of attention – maybe reducing?



# Food Waste – Keeping it out

- Food Waste prevention (education)
- Backyard composting
- Community scale composting (but trickier)
- Commercial food waste – 3Rs apply here too





# What's in the waste stream?

- Paper/Cardboard: newspaper, phone books, shredded paper, cardboard, boxboard, milk cartons
- ~15-20% of waste stream
- Decreasing:
  - Newspapers
  - Phone books
  - Lightweighting
- Cardboard? Internet sales

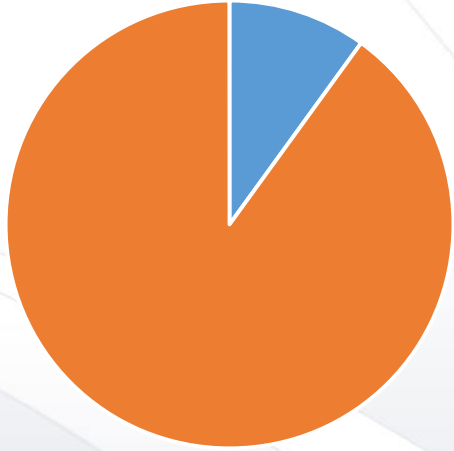


# Paper & Cardboard – Keeping it out

- Reduction – internet
- Recycling – made into new paper and new boxes
  - Established markets (but prices are low)
  - MMRP to help with residential costs
- Landfill bans?



Plastics ~ 10 %



# What's in the waste stream?

- Plastics: #1-7, containers, tubs, Styrofoam, plastic bags, other film, plastic products
- Trend – increasing, especially by volume



# Plastics – Keeping it out

- Reduction – education
- Recycling
  - Difficult because so many types and often hard to separate
  - Products made depend on type
    - New containers
    - Car parts
    - Carpet



# What's in the waste stream?

- Metals 5%
- Trend: flat



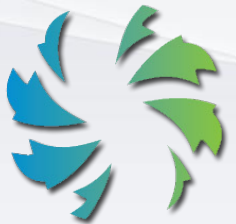
# Metals -- Keeping it out

- Recycling – oldest recycled material – scrap metal dealers
- Made into new metal (Evraz)



# What's in the waste stream?

- Glass 2%
- Trend: declining – replaced by plastic



# Glass – Keeping it out

- Reuse
- Recycling – difficult in single stream systems
- Markets:
  - Local – glass beads
  - Insulation
  - Sandblasting
  - Aggregate
  - New bottles – few facilities





# What's in the waste stream?

- Textiles: clothing, shoes, towels, sheets, blankets
- Commercial textiles also: uniforms, institutional linens ...
- 10% (Nova Scotia)
- Trend: increasing
  - Cheaper clothing (quality & price)
  - 85% of clothing goes to landfill



# Textiles – Keeping it out

- Reduce, reduce, reduce
- Reuse – donate
- Recycle
  - Exported for reuse (Canada 7<sup>th</sup> largest exporter)
  - Cleaning rags
  - Car parts (again)
  - Some reprocessing into new fabrics



# What's in the waste stream?

- Construction / Demolition – wood, shingles, asphalt, concrete, drywall
- 7% of residential waste; 25% of whole waste stream
- Trend: linked to economy



# Construction/Demolition – Keeping it out

- Separate
  - “sort it, stack it and they will steal it”
  - Designated area at landfill/ transfer station
- Clean wood – ground for mulch (or given away)
- Concrete – crushed for aggregate
- Shingles – ground and fed into asphalt
- Drywall – gypsum for agriculture; paper composted



# What's left?

- Diapers
- Furniture, mattresses
- Multi-laminated packaging
- Styrofoam
- ???

Thank you!

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306-931-3242