Textiles Diversion

Win, Win, Win, Win, Win

Presentation by:
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Recycling Council of Alberta
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The Story of Stuff

- Why did Nova Scotia consult on a disposal ban on textiles?
History

• In 1995 NS released a Solid Waste Resource Management Strategy and Regulations
  • Material disposal bans
  • Other
    – Municipal diversion credit/funding incentive
    – Stewardship (extended producer responsibility or EPR) programs
    – Public metric reporting/tracking
    – Education/awareness funding
Disposal Bans

- Newspaper/cardboard
- Containers
  - beverage containers
  - Glass & metal containers
  - Some plastics
- Used tires, waste paint
- Compostable organic materials
  - Food and yard waste
- Electronic waste
Solid Waste Disposal/Capita in Canada - 2010

<table>
<thead>
<tr>
<th>Province</th>
<th>Waste Disposal/Capita</th>
</tr>
</thead>
<tbody>
<tr>
<td>CANADA</td>
<td>729</td>
</tr>
<tr>
<td>NF</td>
<td>770</td>
</tr>
<tr>
<td>NS</td>
<td>389</td>
</tr>
<tr>
<td>NB</td>
<td>631</td>
</tr>
<tr>
<td>QU</td>
<td>733</td>
</tr>
<tr>
<td>ON</td>
<td>699</td>
</tr>
<tr>
<td>MN</td>
<td>770</td>
</tr>
<tr>
<td>SK</td>
<td>897</td>
</tr>
<tr>
<td>AB</td>
<td>1052</td>
</tr>
<tr>
<td>BC</td>
<td>687</td>
</tr>
</tbody>
</table>
Materials Managed in Solid Waste-Resource Sector per Capita*

Provinces in Descending Order of Material Managed

<table>
<thead>
<tr>
<th>Province</th>
<th>Tonnes/Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alb</td>
<td>1.201</td>
</tr>
<tr>
<td>Que</td>
<td>1.059</td>
</tr>
<tr>
<td>Sask</td>
<td>1.024</td>
</tr>
<tr>
<td>Man</td>
<td>1.001</td>
</tr>
<tr>
<td>BC</td>
<td>0.912</td>
</tr>
<tr>
<td>Ont</td>
<td>0.884</td>
</tr>
<tr>
<td>NB</td>
<td>0.834</td>
</tr>
<tr>
<td>NS</td>
<td>0.656</td>
</tr>
</tbody>
</table>

Stats Canada 2012
*(Solid waste-resource materials include solid waste disposed, dry recyclables diverted, construction and demolition materials disposed and diverted and organics diverted)
Disposal Target

• 300 kg/person/yr
  • Consulted on policy options to meet target
  • Including a ban on the disposal of textiles

• Extended producer responsibility
  • Not for textiles
    – Textiles have value
    – Increase the cost of clothing i.e. fees?
    – Stakeholders need more time
    – Approach brands voluntarily i.e. CSR

• Textile disposal bans
  • Asked to determine potential burden on generators
  • Used clothing stores, hospitals, hotels, retail (including ‘Frenchy’s’, etc.)
Recent History

• Noticed textiles showing up in waste audits between 2000 and 2010
  • 1 to 3%
• 2010 began researching and engaging textiles stakeholders/learning
  • Purchasing 2X and 3X as many textiles
  • Some rural charities were inundated
  • Market dynamics and size
• Conducted waste audits
  • Ah ha!!!!
2011 & 2012 RRFB Waste Audit Results

- Organics: 30%
- Plastics: 20%
- Fiber: 13%
- Textiles: 11%
- Special care: 7%
- C&D: 6%
- Metal: 5%
- Other: 8%
Textiles in the Waste Stream

- **Included:**
  - 51% Clothing
    - Not including rags and ‘waste’ textiles
  - 23% Household use fabric
    - drapes, blankets, bedding, rags, etc.
  - 18% Other
    - handbags, floor mats, area rugs, etc.
  - 8% Footwear

- **Not included:**
  - Mattress fabric
  - Carpet
  - Furniture fabric
  - Luggage?, tents?, other consumer products?
Engaged Sector

• Held a Textiles Summit
  • Municipalities, collectors, processors, 2nd hand retailers, exporters

• Encouraged formation of association
  • Association for Textiles Recycling (AFTeR)
  • Afterwear.ca

• Encouraged standard message
• Encouraged partnerships
Association for Textiles Recycling (AFTeR)

As leaders in providing quality mentoring programs for young people, we contribute to building healthy communities. Our partnership with Value Village provides some of the funding needed to create positive, mentoring relationships for children who need our support.

Our mission is to lead the fight against diabetes by helping people with diabetes live healthy lives while we work to find a cure. Funds we receive from our partnership with Value Village are one of the ways we support research, education, services and advocacy.

The Canadian Red Cross mission is to improve the lives of vulnerable people by mobilizing the power of humanity in Canada and around the world. LML Trading is proud to support the Red Cross mission with their textile recycling program.

National Recycling Operations’ (NRO) role, within the context of the Salvation Army, is both to generate funds to help The Salvation Army achieve its mission, and to influence positively the communities in which we operate. The Salvation Army exists to share the love of Jesus Christ, meet human needs, and be a transforming influence in the communities of our world.

The Eastern Recyclers Association (ERA) is a not for profit association whose mission is to organize, represent and promote the economic viability and successful operation of member businesses in the beverage container deposit / refund program and recycling industry.
NSE Support

- Facilitated EnviroDepot involvement
  - 65 drop off sites around province
  - Added to their revenue stream
- Provided funding
  - Website: Afterwear.ca
  - Strategic planning session
- Association supported potential disposal ban
- Fostering apartment building collection with electronic waste
- Municipal promotion
Textiles Study

- How textile diversion is managed in NS
- How textile diversion is managed and maximized elsewhere in Canada, USA and Europe
- The extent and location of domestic and international textile recycling/shredding markets
- Markets
  - What cannot be diverted
  - Sustainability of international markets
  - Potential impacts of textiles sold overseas
    - Any OH&S issues
    - Does it degrade the local textile manufacturing industry
  - Threat of oversupply
- Potential high level recommendations for Nova Scotia
AFTER Work

• Expanding network
• Support disposal ban
  • Met with Minister
• Created one website
• Held media event
  • Standard message
• Promoting benefits to:
  • Municipalities
  • Environment
  • Economy
  • Social
• Respond to public concerns/questions
Other Potential AFTeR Work

• Standardize education message
  • Fear of being dumped on
  • But only capturing 15 – 20%
  • Similar to plastic container message
• Help define disposal ban standards
• Create standards
  • Messaging on bins, must include charities, etc.
• Involve textile brand owners?
• Appreciate benefit of AFTeR
  • Even though they are competitors
  • Don’t forget the small guys who give away clothing
# Website Material List

<table>
<thead>
<tr>
<th>Clothing</th>
<th>Other Textiles</th>
<th>Footwear</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shirts</td>
<td>Draperies</td>
<td>Shoes</td>
<td>Scarves</td>
</tr>
<tr>
<td>Blouses</td>
<td>Curtains</td>
<td>Boots</td>
<td>Hats</td>
</tr>
<tr>
<td>Jeans</td>
<td>Blankets</td>
<td>Sandals</td>
<td>Mittens</td>
</tr>
<tr>
<td>Sweaters</td>
<td>Linens</td>
<td>Sneakers</td>
<td>Purses</td>
</tr>
<tr>
<td>Jerseys</td>
<td>Towels</td>
<td></td>
<td>Jewellery</td>
</tr>
<tr>
<td>Jackets</td>
<td>Sheets</td>
<td></td>
<td>Costumes</td>
</tr>
<tr>
<td>Pyjamas</td>
<td>Table Cloths</td>
<td></td>
<td>Gloves</td>
</tr>
<tr>
<td>T-shirts</td>
<td></td>
<td></td>
<td>Belts</td>
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<tr>
<td>Work Clothes</td>
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<td></td>
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<tr>
<td>Dresses</td>
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<td></td>
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<tr>
<td>Coats</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Shorts</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Any size, any season!
Win, win, win, win, win

- **Economic**
  - For profit textiles collectors, processors, end user, etc.
  - Export dollars
  - More jobs

- **Environment**
  - Less landfill disposal, GHG benefits, etc.

- **Social**
  - Charities and those they assist in the community

- **Municipalities**
  - Lower collection and disposal costs
EMPLOYMENT IN THE SOLID WASTE RESOURCE MANAGEMENT SECTOR IN NOVA SCOTIA

- Haulers, 840, 22%
- Reuse and Refurbishment, 1290, 33%
- Scrap Metal, 282, 7%
- Enviro Depots, 358, 9%
- Manufacturers, 248, 6%
- Municipal, 182, 5%
- Other, 217, 6%
- Landfills, 100, C&D, 65, 2%
- Composting, 80, 2%
Win and Questions

- Provide free and low cost textiles to people of lesser means
- Do textiles displace existing textiles manufacturers?
- Is my donation making money for business and not going to the needy?
SHIPPING CONTAINERS OF CLOTH
CONTAINERS UNLOADING ABROAD
UNLOADING THE CONTAINER FOR SORTING
100 pound bales after sorting in Africa
LUBUMBASHI - SHOES SOLD IN 24 HOURS
Selling recycled clothes in the market
What next?

- Curbside collection is increasing in NS
- Increase partnerships with all who benefit
  - Need for more contributors
- Investigate developing world markets?
  - Leave marketing to experts?
- Increase market demand
  - Reuse, repair, ragging
  - Shredding/recycling
    - Back to thread
What next?

- Continue standardizing message, more bins
  - Public need education and convenience
- Continue waste audits
  - tonnes/percentages disposed and diverted
  - Quality of what is being disposed
- Education, textile stakeholder summits
  - Many recycling educators want to know where textiles end up
- Follow work by Smart and NERC webinar
  - https://nerc.org/documents/Reuse/Textiles Webinar
    Recording_States Charging Ahead with Textiles Recovery.wmv
- What level of brand owner/retailer involvement?
- Curbside collection
  - https://www.youtube.com/watch?v=nt4ofaw8_i8&feature=youtu.be
Thank you

Questions?

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