



GRAVE TO CRADLE SOLUTIONS



URBAN RESOURCE GROUP INC.
Affiliated with Canada Fibers Ltd.

AGENDA

1. Canada Fibers / Urban Resource Group - Positioned to provide complete and creative Grave to Cradle Solutions
2. What we can learn from Europe
3. Tipping Point announcements by Stewards in NA
4. Conclusion

1. CANADA FIBERS & URBAN RESOURCE GROUP

Complete and creative Grave to Cradle solutions



URBAN RESOURCE GROUP INC.
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URBAN WASTE RECYCLING
A DIVISION OF CANADA FIBERS LTD.

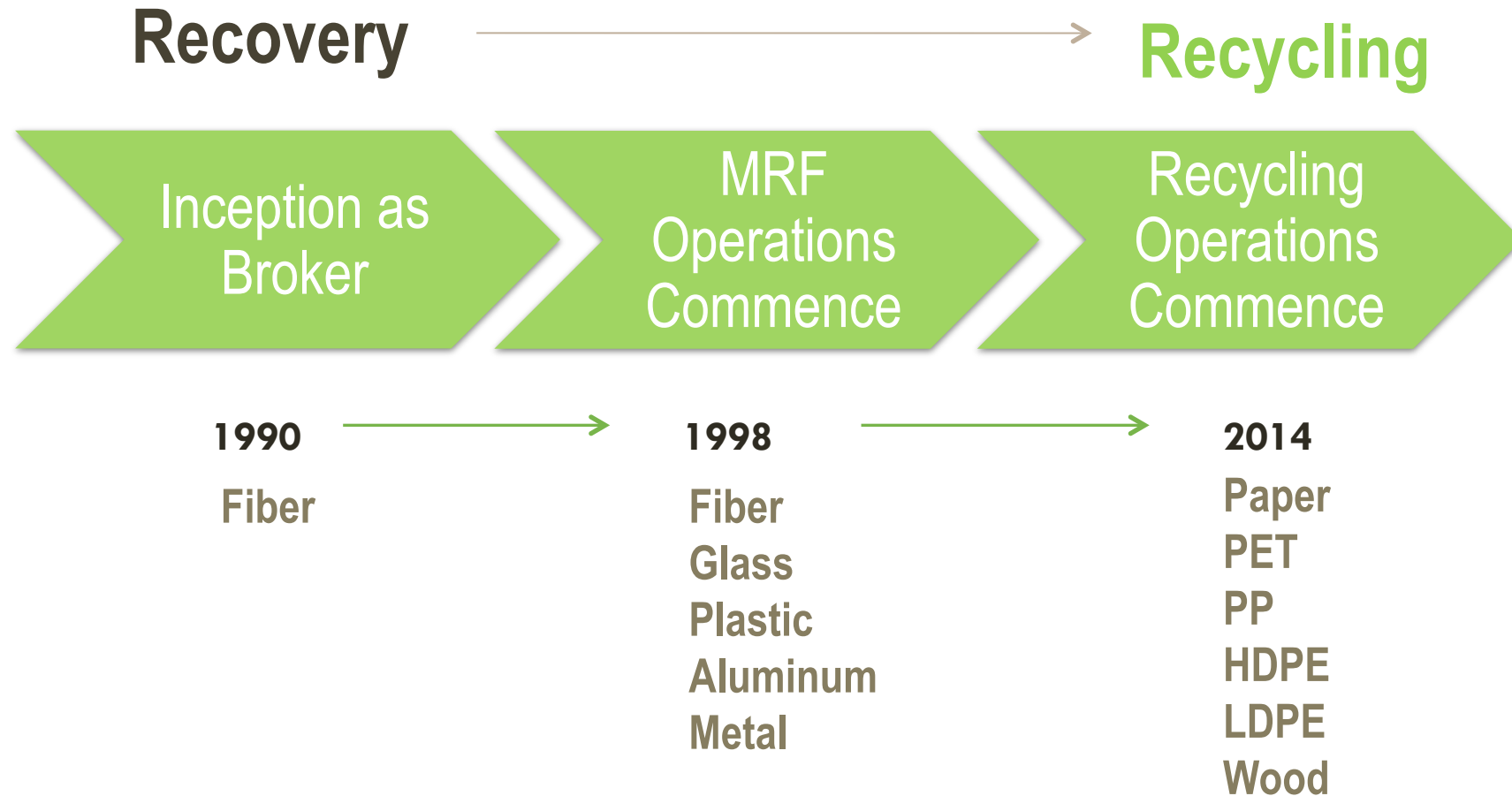


URBAN GARDEN PRODUCTS
Affiliated with Canada Fibers Ltd.

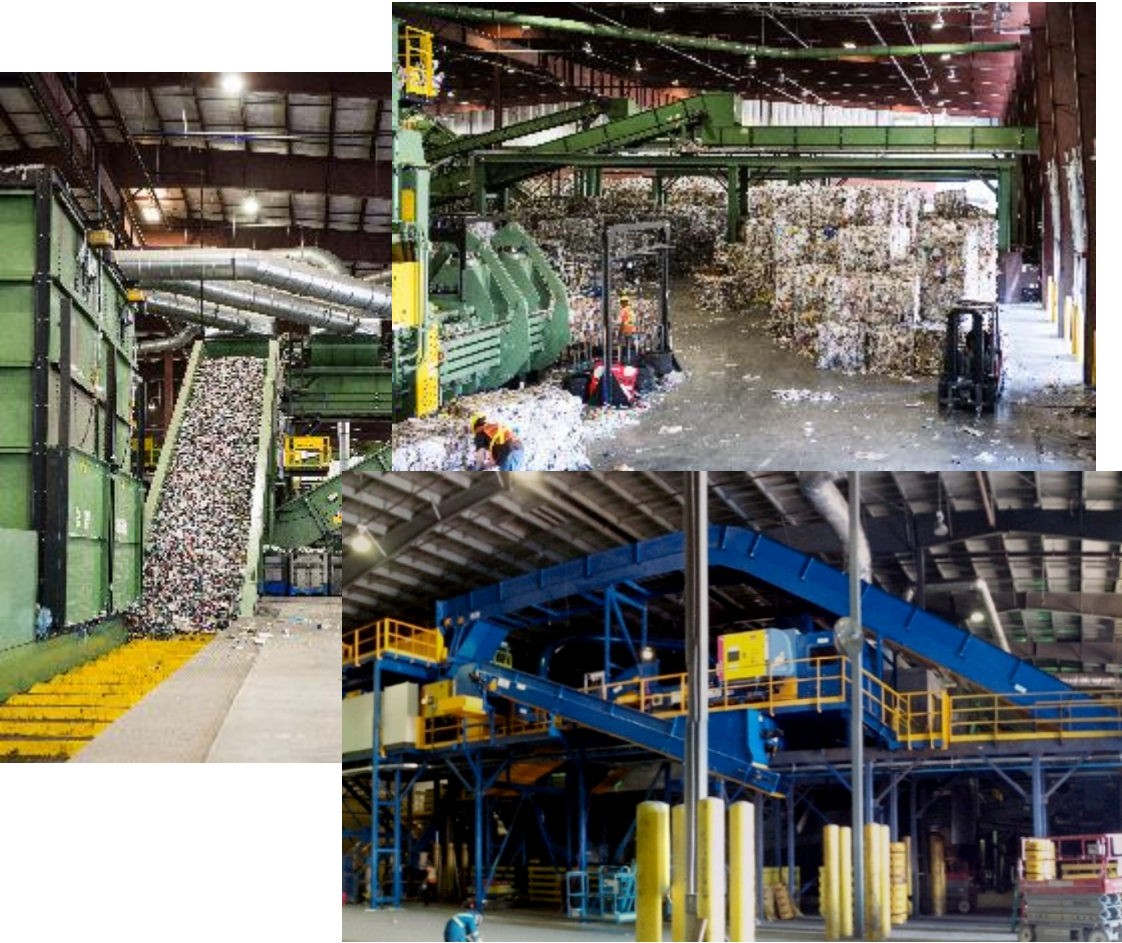
URBAN BIOFUELS
Affiliated with Canada Fibers Ltd.

URBAN POLYMERS
Affiliated with Canada Fibers Ltd.

OVERVIEW OF CANADA FIBERS



Recovery



Recycling



Canada Fibers municipal and IC&I Material Recovery Facility locations

Urban Resource Group facility locations



UNPARALLELED MRF RECOVERY PERFORMANCE

- Utilizing world-class technologies and equipment, supported by an experienced and skilled workforce
- Largest and most efficient vendor-capacity single-stream MRF in Canada, located in Toronto.
- Continuous investment in best-in-class equipment and training to deliver unparalleled value and environmental impacts for customers





URBAN WASTE RECYCLING

- Complete, customizable programs and services.
- Equipment, collection and service for municipal, institutional, commercial and industrial customers
- Leasing and financing of rear compactor, front load trucks, yard bins, toters, rolling carts, compactors and balers
- Provides integrated waste audit, waste reduction and marketing advisory services
- Dedicated to providing exceptional service through employing a professional and dedicated workforce



URBAN GARDEN **PRODUCTS**

- Architectural grade garden mulch made from discarded wood
- Sold through leading home improvement retail chains/garden centers (Canada and USA)
- Leaves trees in forest where they belong and preserves landfill capacity
- Now helping retailers turn their own discarded wood into garden mulch product



URBAN **BIOFUELS**

- Fuel pellets made of prime grades of discarded wood
- Sold through leading retail chains/distributors (Canada and USA)
- 'Carbon Neutral' and clean-burning
- Sustainable, additive-free, locally-sourced wood





URBAN POLYMERS

- PET, PE and PP polymers
 - PET flake: 25 million lbs/year
 - PO flake: 10 million lbs/year
 - PO compound: 20 million lbs/year
- Customized compounding and state-of-the-art technology
- Physical and quality-assurance lab staffed by highly trained chemistry and engineering professionals – over 150 years of combined experience in polymer compounding
- Providing a sustainable complement to prime materials

URBAN POLYMERS

Phase I

Spring 2015

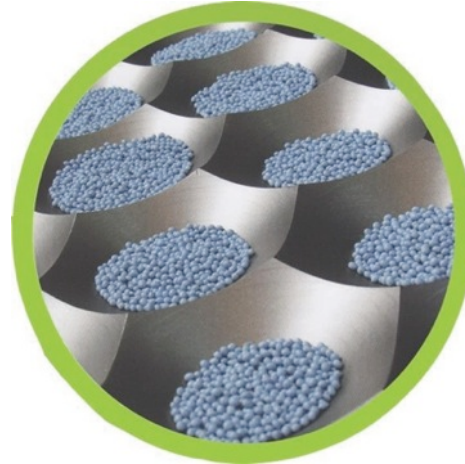
- PET sort/wash/grind



Phase II

Fall 2015

- PO Compounding



Phase III

Summer 2016

- Film Recycling & Compounding





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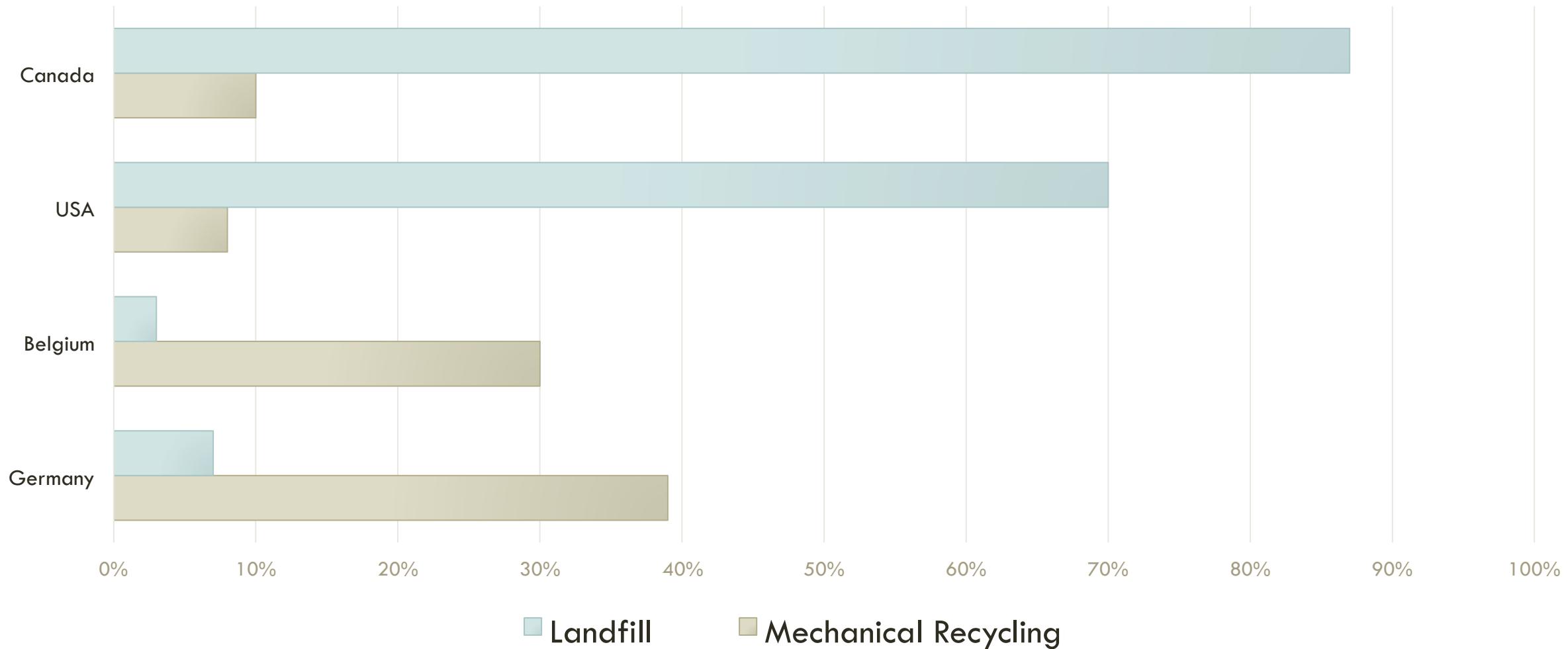


2. EUROPE:

A model for environmental stewardship

EUROPE VS. NORTH AMERICA

PLASTIC RECYCLING vs. LANDFILL



NORTH AMERICA – CATCHING UP

- The use of rPET in food & beverage bottles grew dramatically in 2013, surpassing its use in sheet & film, strapping & other non-food bottles
- 2013: 72% of recycled bottle plastic were remanufactured
- 2013 Canadian post-consumer plastic recycling data was 311.5 million kilograms, an increase of 26 million kilograms from 2012
- Year over year data continues to show the vast majority of the material collected for recycling in Canada is staying in Canada for reclamation and remanufacture
- Support of sustainability and recycling goals in Canada has led to domestic markets for all plastic scrap types and a low dependence on the export market

3. STEWARDS IN NORTH AMERICA

Tipping Point announcements and commitments to sustainability





Nestlé Good Food, Good Life

- To achieve zero-waste for disposal in 10% of factories by 2015
- To reduce energy consumption per tonne of product in every product category
- To contribute to greenhouse gas emission (GHG) reductions per tonne by 35%

<http://www.nestle.com/csv/environmental-sustainability>



- Reduce manufacturing waste to landfill to less than 0.5% of input materials by 2020
- Reduce CO2 emissions and energy use by 20% per unit of production
- Create technologies to substitute top petroleum-based raw materials with renewable and/or recycled materials by 2020
- Recently announced increasing the use of post-consumer resin and recycled plastics in packaging and bottles for fabric care brands. This increase means some packaging will contain up to 50% recycled material

http://us.pg.com/sustainability/environmental_sustainability/focused_on

http://www.plasticsnews.com/article/20150723/NEWS/150729937/pg-to-use-more-recycled-plastic#utm_medium=email&utm_source=pn-daily&utm_campaign=pn-daily-20150723&email_pndaily



- Reduce greenhouse gas impact in half of our products across the lifecycle by 2020
- Reduce waste disposal per consumer use in half by 2020

<https://www.unilever.com/sustainable-living/>

4. CONCLUSION

- Canada Fibers and Urban Resource Group are strategically positioned to provide “Grave to Cradle” solutions for all recyclable commodities.
- European Environmental Action Programme has been successful in reducing landfilling, increasing recycling rates, and supplying a high-demand plastics market with recycled material.
- North America is catching up with Europe. Data shows North American demand for recycled plastics is rising as Stewards launch sustainability programmes with ambitious resource conservation goals.
- Tell us how we can enhance your profitability and sustainability



European Commission. *General Union Environment Action Programme to 2020 'Living well, within the limits of our planet'*. Luxembourg: Publications Office of the European Union, 2014.

European Environmental Agency / Plastics Europe / U.S EPA / CPIA / Covanta Energy

Moore Recycling Associated. 2013 Postconsumer Plastics Recycling in Canada. Sonoma, CA. Prepared by Moore Recycling Associates for the Canadian Plastics Industry Association, February 2015

Nestle. *Environmental Sustainability*. <http://www.nestle.com/csv/environmental-sustainability>

Plastics News. P&G to use more recycled plastic. http://www.plasticsnews.com/article/20150723/NEWS/150729937/pg-to-use-more-recycled-plastic#utm_medium=email&utm_source=pn-daily&utm_campaign=pn-daily-20150723&email_pndaily. July 23, 2015.

Proctor and Gamble. *Environmental Sustainability*. http://us.pg.com/sustainability/environmental_sustainability/focused_on

Unilever. *Sustainable Living*. <https://www.unilever.com/sustainable-living/>