
Delivering Environmental Stewardship

Alberta's Electronics, Paint & Tire Recycling Programs

December 2, 2016

Who we are

■ Tire Recycling

101 million tires recycled

□ September 1992



■ Electronics Recycling

8 million units recycled

□ October 2004



■ Paint Recycling

18 million litres recycled

□ April 2008





Key Strength: “Stakeholder” Board

- Alberta **Urban Municipalities** Association
- Alberta Association of **Municipal Districts and Counties**
- **Environmental Services** Association of Alberta
- Association of Professional **Engineers & Geoscientists** of Alberta
- **Recycling Council** of Alberta
- Alberta **Environment & Parks**
- **Electronics Industry** Council Chair
- **Paint Industry** Council Chair
- **Tire Industry** Council Chair
- **Industry**-at-large
- **Public**-at-large and Board Chair

Results are the difference

(Key Performance Indicators)

Program	Amount recycled per capita			Cost per kg recycled		
	AB	RoC* Average	% AB/RoC	AB	RoC* Average	% AB/RoC
Electronics	4.7 kg/cap	3.5 kg/cap	35% Higher	\$1.03 /kg	\$1.22 /kg	16% Lower
Tires	16.5 Kg/cap	12.4 kg/cap	33% Higher	\$0.38 /kg	\$0.44 /kg	14% Lower
Paint	0.61 ltr/cap	0.47 ltr/cap	31% Higher	\$1.85 /ltr	\$2.94 /ltr	37% Lower

* RoC = Rest of Canada, where there are programs

Way to go Alberta!



Those millions of tires have been put to good use...



...in playgrounds, splash parks, sidewalks and municipal landfill projects (and a whole lot more). Just a few more reasons to be proud of Alberta's Tire Recycling Program.



albertarecycling.ca

Key Strength: Municipal Partnership

- Electronics - 372 Collection Sites
 - Plus 85 round ups
- Tires - 347 Collection Sites
 - Plus 2000+ retailers
- Paint - 318 Collection Sites
 - Plus 80 round ups
- Combined Total - 450 Collection Sites
- PLUS
 - Municipal projects promote recycled products
 - Governance – Board, Councils



Congratulations to your 2016 Collection Site Award of Excellence Winners!



Sturgeon Lake Cree Nation Waste Transfer Station

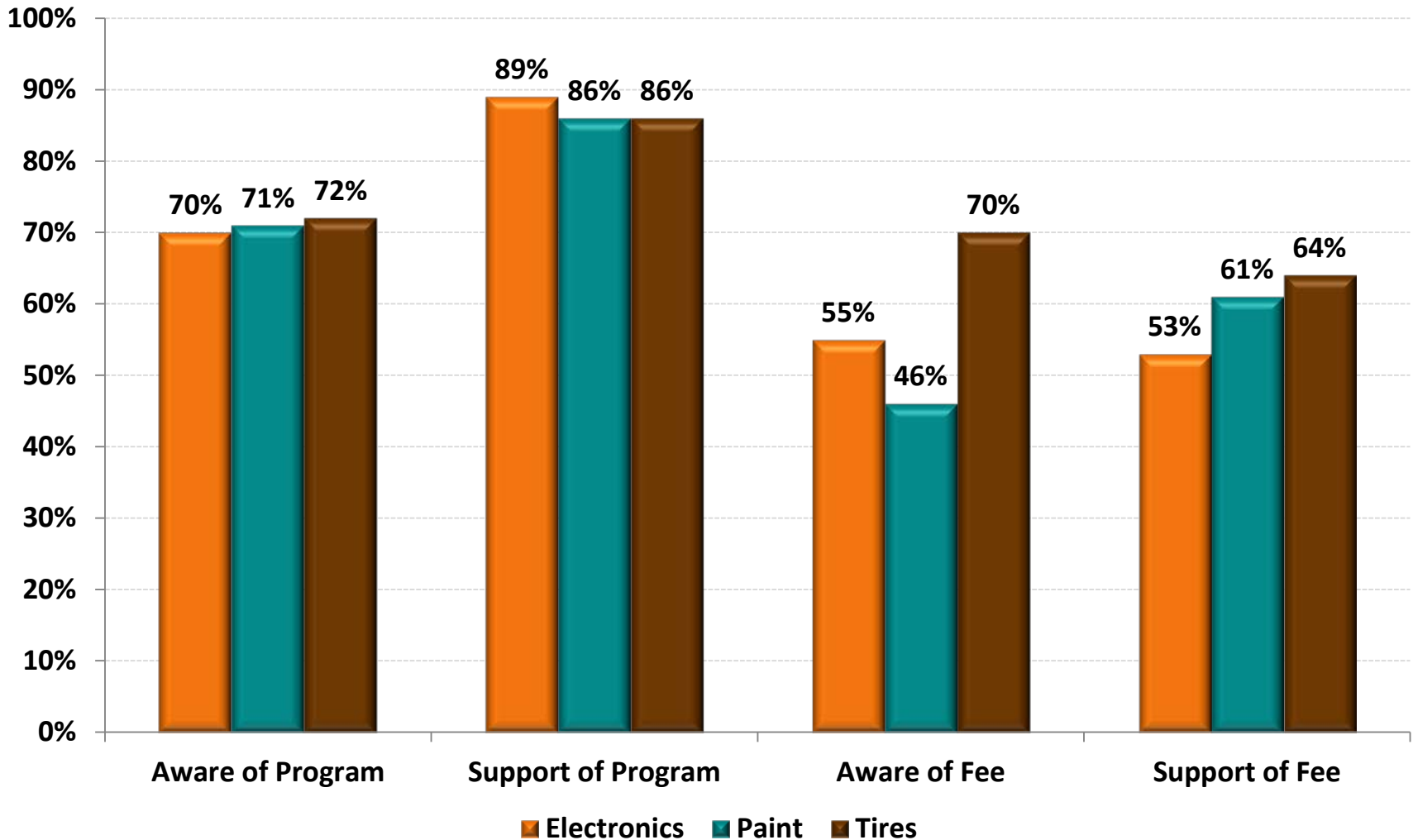


Clairmont Centre for Recycling and Waste Management



Fort McMurray Regional Landfill and Recycling Facility

Key Strength: Public Participation





Key Challenges

- Program are impacted by the economy
 - Downturn → lower sales → less fee revenue:
 - Electronics 27% drop in unit sales over last two years – sustainable, through Reserve transfers
 - Tires 19% drop in unit sales over last two years – significant cuts to processing, R&D, municipal projects
 - Paint 7% drop in unit sales over prior year – Break even budget, with potential env. fee increase in future
- Gov't regulation
 - Consolidation of Designated Materials Regulations
 - AEP really has it right - much needed and effective changes to the regulations
 - Substantially improve responsiveness of program management
 - Electronics program is ready to expand
 - Material piling up or, worse yet, being landfilled!

Key Challenges cont'd.

- Markets for recycled materials, products
 - Never-ending need for markets that are stable and diversified
 - Tires – markets a constant challenge
 - Crumb and mulch – mostly exported to Canadian and US markets
 - Tire-derived aggregate (shred) – municipal users
 - Manufactured product – less than 20%
 - Paint - markets narrow but stabilizing
 - Latex recycled
 - Energy recovery oil
 - Containers recycled – plastic, metal
 - Electronics – markets relatively stable but commodity prices/costs volatile
 - Commodities (plastic, glass, metals) to 'downstream processors' for recycling

Thank you.
