



**TIRE**  
**Stewardship**  
*New value from old tires*  
**BC**

**Stewardship Plan  
Renewal  
Consultation**

# Stewardship Plan Outline

- A. Regulatory Basis for this Plan
- B. Overview of Existing Program
  - 1. Program Structure
  - 2. Consumer Access to Collection Facilities
  - 3. Consumer Awareness
  - 4. Management of Program Costs
  - 5. Management of Environmental Impacts
  - 6. Tire Management per Pollution Prevention Hierarchy
  - 7. Product Life Cycle Management
  - 8. Dispute Resolution
  - 9. Stakeholder Consultation
  - 10. Performance Measures and Targets**

# A. Regulatory Basis

- **Producer = Tire Retailer**
- **Regulated** tires
  - Passenger and Light Truck (PLT)
  - Medium Truck (MT)
  - Agricultural (AG)
  - Logger Skidder (LS)
- **Unregulated** tires
  - Bicycle Tires (but included in the program)
  - Other Off the Road (OTR)
    - Small, medium, large, giant

## B. *Unregulated* Tire Research

- OTR research continues
  - ✓ Solution found for S, M, L
  - ✓ What are expected annual volumes?
  - ✓ What stockpiles exists?
  - ✓ What should the eco fee be?
  - ✓ Affected stakeholder buy in appears high
- Ongoing updates delivered to MOE
- TSBC will be in a position to start formal consultations with affected stakeholders soon

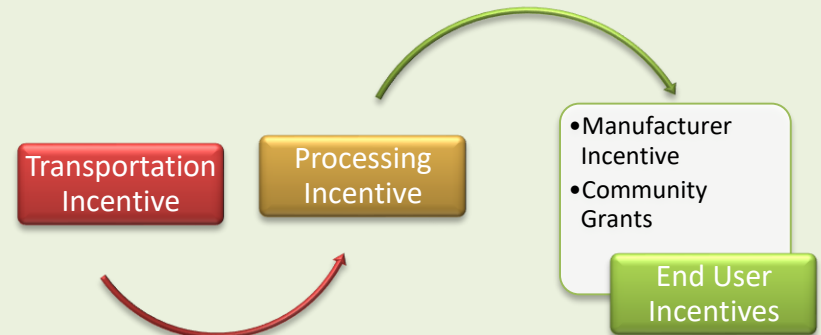
# 1. Program Structure

- Program Participants
  - Retailers (Producers)
    - Sell tires, generate scrap tires
  - Return to Retailers (R2R)
    - Sub set of Retailers that voluntarily take back car tires from the public
  - Collection Facilities
    - Sub set of Retailers that take back scrap tires when a new tire is purchased
  - Generators
    - Do not sell tires, generate scrap tires
    - Examples: transfer stations, auto wreckers
- Haulers
  - Collect & transport tires from Retailers & Generators
- Processors
  - Process tires into product or process tires for energy recovery
- Manufacturers
  - Manufacture products from BC recycled rubber

# 1. Program Structure

- Financial Incentives
  - Transportation
  - Processing
  - Manufacturing
- Bike tire program
- Community Grants
- Revenue compliance program
- R&D program

- Maintain the existing operational structure
- All rates posted on TSBC web site



## 2. Consumer Access

- Retailer model (~97%)
  - Most consumers leave their tires at the retailer location (collection facility)
  - 1,900 collection facilities throughout BC
- Report # of collection facilities
  - **Target – 1,700**

## 2. Consumer Access

- Orphan Tires (~3%)
  - Option 1: Return to Retailer locations (R2R)
    - Number has doubled in last 5 years, close to 800 across BC
  - Option 2: collection events
    - 15 per year
    - Will accept all tires to avoid potential unacceptable disposal methods / abandoned waste post collection event
- Monitor distribution of R2R retailers and recruit new where needed
  - **Target - 700**
- Continue to conduct collection events with added educational component and held jointly with other stewards where feasible.
- Locations & # based on need / demand.



## 2. Consumer Access

- Recovery rate
  - Current definition not appropriate for long term products
  - Factors affecting recovery rate:
    - High sales volumes
    - Increase vehicle regns
    - Culls exported for reuse
- 100% of tires available for collection are collected
- Amend the definition  
*#collected / #sold 5 yrs prior*
- Report the recovery rate
  - Target - 80%
- Report collected and sold units
- ~~Report Capture Rate\*\*~~  
~~*#collected / #available for collection*~~
- Report on collection complaints
- Conduct annual survey with RDs on collection, known stockpiles & abandoned waste issues

\*\* to be removed from Plan as measure and result are not auditable

# 3. Consumer Awareness

- Collection events
  - Community events - Ambassador Tour
  - Joint First Nations coordinator
  - Website
  - RCBC hotline / Recyclepedia
  - BC Recycles web site / pamphlet
  - Social media
- Addition of educational component for collection events
  - Joint initiatives to improve overall public awareness and interest in recycling
  - Increased presence on social media
  - **Target - > 57% awareness of drop off locations & > 75% awareness of where to find info on drop off locations**

# 4. Program Costs

>90% revenue used to pay out incentives to transport, process scrap tires and create value add

Reductions in processing incentives Jan 1, 2018

Transportation incentive adjusted quarterly for fuel, bi-annually for all other transportation costs.

Recipients:

- Haulers
  - Receive a transportation incentive to transport tires. Based on weight & distance travelled.
  - Accounts for on av. 32% of total incentives paid annually.

- Processors
  - Receive a processing incentive to convert a whole tire into product or for energy recovery purposes.
  - Rates vary – lower incentives for energy recovery and \$0 for landfill.
  - Accounts for on av. 63% of total incentives paid annually.
- Manufacturers
  - Receive a manufacturing incentive to make products from BC recycled rubber.
  - Accounts for on av. 5% of total incentives paid annually.

*Note: also cover costs of all non program tires from collection events & bicycle tires*

## 4. Program Costs

- Collection model – free\* pick up from Retailer & Generator sites
- Reporting - financial statement audits & non-financial data audits

\* Exceptions apply, e.g. full of debris (dirty), not readily accessible



- Continue to manage program costs to the economic, social and environmental benefits of BC's citizens.
- Continue to publicize incentive rates and conduct rate reviews.
- Remain open and transparent with audited financial and non financial data.
- Maintain TSBC's financial stability while fostering and supporting innovation and research relative to higher valued solutions within the industry.

# 5. Environmental Impacts

- Promotion of Be Tire Smart
    - Extending tire life so that fewer tires are used
  - Using alternative materials to manufacture tires
- Continued messaging to encourage BC motorists to adopt good tire maintenance practices
  - Report on progress made by manufacturers to reduce environmental impacts



# 5. Environmental Impacts

- Recycle (3R)
- Energy Recovery (4R)
  - Over 50% is the fibre sent to Lafarge, a residual from crumbing that is landfilled in most other provinces
- Residual Disposal (5R)
  - Significant reductions in the amount of material landfilled
    - 2% in 2013, down to 0.3% in 2017.

- Align reporting to the Ministry's requirement for NFI audit reporting
    - Report by component
    - Must be an auditable number
- **Target**

	Recycling	Energy Recovery	Landfill
Rubber	84%	15%	1%
Steel	100%		
Fibre		98%	2%

## 6. Dispute Resolution

- No disputes with any registered participant
- Success achieved by taking a partnership approach with our service providers



- Continue to manage & foster relationships with service providers.
- Ongoing communications with stakeholders throughout the term of the plan
  - BCPSC webinars
  - RD surveys
  - TSBC advisory meetings
  - Monthly retailer messaging


# 7. Stakeholder Consultation



- Advisory Committee – May 9
- BC Product Stewardship Council – May 15
- All stakeholders – May 16 & June 5
- Web site posting – until June 8



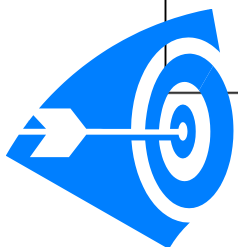
# 8. Performance Measures & Targets

Performance Measures		Annual Targets			
1.	Recovery Rate <u>(Total # Units Collected in reporting year / Total # Units Sold 5 years prior to reporting year)</u>	80%			
2.	The percentage allocation of total tonnes of scrap tires (i.e. all rubber, steel and fibre) <u>processed and shipped</u>		Recycling	Energy Recovery	Landfill
		Rubber	84%	15%	1%
		Steel	100%		
		Fibre		98%	2%
3.	Number of collection sites (i.e. registered retailers that will take back a scrap tire from the consumer at the time a new tire is sold)	1,700			
4.	a) Total number of retailers and generators in BC that take back orphan tires (R2R)	a) 700 province-wide			
	b) Number of R2Rs in each Regional District	b) At least 2  Regional District			
5.	a) Awareness of where to take scrap tires for safe disposal	a) Maintain or increase awareness level of 57%			
	b) Awareness of where to go to find information on safe disposal locations	b) Maintain or increase awareness level of 73%			

The 97%

To help address the 3%

To help address the 3%



 = Target to be amended based on feedback

# 8. ... & Reporting Commitments

Reporting Commitments	
1.	Total tonnes collected by Regional District in a calendar year / total KG per capita for all of BC
2.	Dates, locations and results of tire collection events <span style="background-color: #00AEEF; color: white; padding: 2px;">To help address the 3%</span>
3.	Number of legitimate collection complaints received by TSBC
4.	Number of consumer complaints received by TSBC
5.	Comparison of results to targets for all Performance Measures
6.	Independently audited financial statements
7.	Non-financial audit report
8.	Total product collected and sold in the reporting year
9.	Description of how the product was managed in accordance with the pollution prevention hierarchy
10.	Location of collection facilities
11.	Description of educational materials and educational strategies used
12.	Efforts taken to reduce environmental impacts, to increase reusability and recyclability