

2014 Target Setting - Public Consultation Webinar



BC's recycling program for
lights, lamps, ballasts and fixtures.

LightRecycle.ca



AGENDA



- Introduction
- LightRecycle Program Overview
- Proposed Targets: Collection Rates
- Proposed Targets: Collection Site Accessibility
- Questions and Feedback

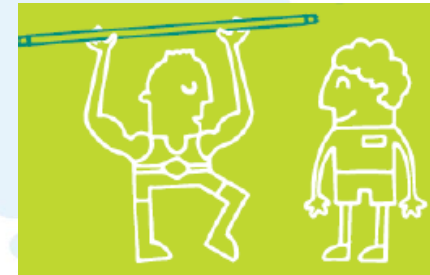
INTRODUCTION

- ReGeneration, formerly known as Product Care Association, operates Extended Producer Responsibility programs on behalf of its members across Canada and the USA
- ReGeneration develops and implements programs on behalf of members in response to regulations
- Members are the obligated “producers” under applicable regulations
- Members pay Environmental Handling Fees (EHFs) on program products sold to fund the programs
- ReGeneration operates LightRecycle in BC & MB and Recycfluo in Quebec with other lighting programs in development stages for ON, PEI and WA

INTRODUCTION

- In 2014, on the occasion of its 20th anniversary, Product Care Association underwent a complete brand transformation, transitioning to ReGeneration as a consumer-facing name and philosophy
- The approach was to make the brand more accessible and to establish a more intuitive connection to the recycling industry

Sample ReGeneration Brand Elements:

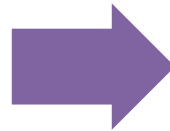


PROGRAM OVERVIEW

- BC LightRecycle program approved under BC Recycling Regulation.
- Regulation mandates that obligated producers operate or enroll in a Ministry approved stewardship plan for lighting products

LightRecycle launched in British Columbia on July 1, 2010

- Residential-use compact fluorescent lamps (CFLs)
- Fluorescent tubes



Program expanded in Oct, 2012 to include

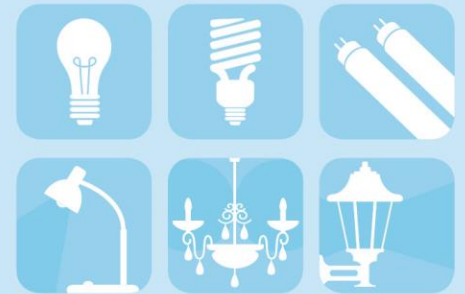
- All lamp technologies
- Fixtures
- Ballasts
- Residential, Institutional, Commercial and Industrial sectors

PROGRAM OVERVIEW

- The BC Lamps and Lighting Equipment Stewardship Plan developed by ReGeneration includes regulatory-based commitments, including collection rate and collection site accessibility targets for program products
- Due to the lack of data available during program development, not all targets were set
- Plan committed to submitting targets at a later date

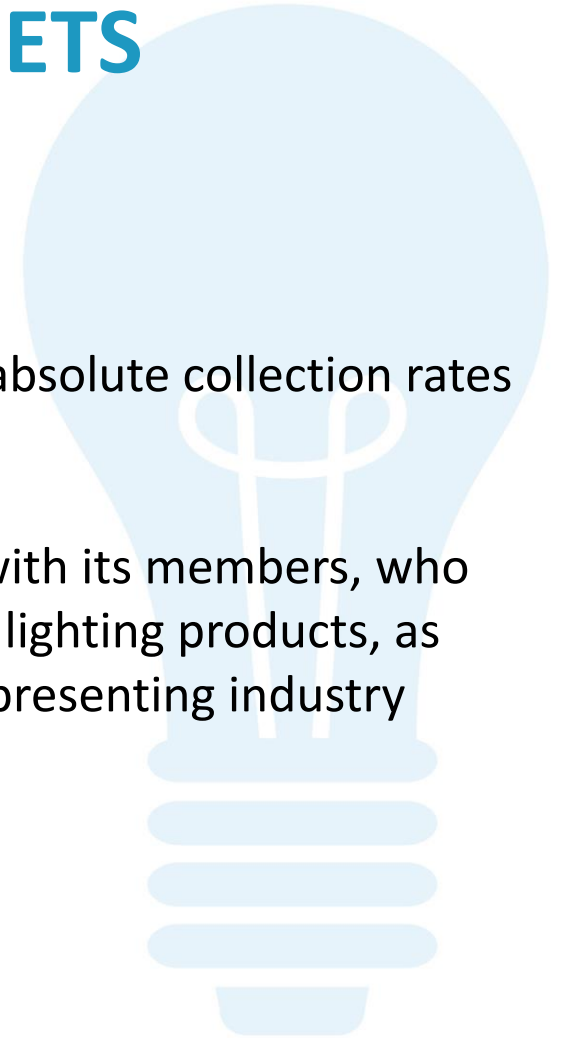
Product	Collection Rate Targets		Collection Site Accessibility	
	Residential	Commercial	Residential	Commercial
Fluorescent lamps (CFLs and tubes)	✓	TBD	✓	TBD
HID-UV-Neon lamps	TBD	TBD	✓	TBD
Incandescent, Halogen, LED lamps	TBD	TBD	✓	TBD
Residential Fixtures	TBD	TBD	TBD	TBD
PCB containing ballasts	TBD	TBD	TBD	TBD

COLLECTION RATE TARGETS



2014 COLLECTION RATE TARGETS

- As per Program Plan, targets may be submitted as absolute collection rates or capture rates
- Prior to this consultation webinar, PCA consulted with its members, who are the manufacturers, distributors and retailers of lighting products, as well as the BC LightRecycle Advisory Committee representing industry stakeholders



PERFORMANCE MEASURES

- **Capture Rate:** Compares the quantity of products collected in a year to the quantity of products believed to be “available for collection” in that year
 - Available for collection methodology based on best available data estimating sale trends and lifespan of lamp technologies
- **Absolute Collection Rate:** The quantity of products collected expressed in units or weight
- For the 2014 collection rate targets, propose to utilize absolute collection rate

PREVIOUSLY ESTABLISHED TARGETS

- BC LightRecycle approved Plan contains capture rate targets for CFLs and tubes between 2012-2017

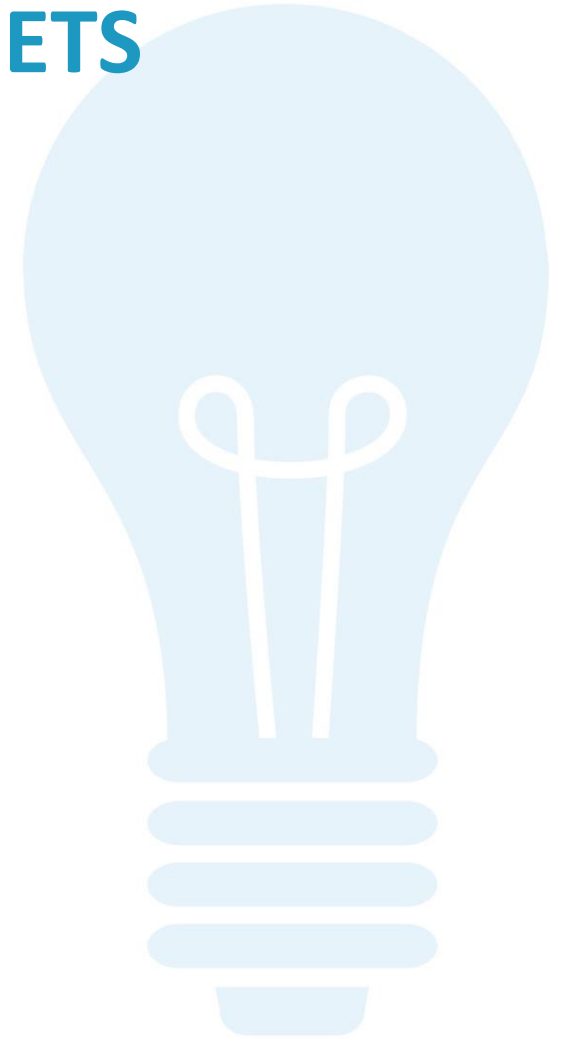
	2012*	2013	2014	2015	2016	2017*
Fluorescent Tubes	10-12%	16-25%	22-37%	28-50%	34-62%	40-75%
CFLs	19-24%	24-30%	28-38%	32-50%	36-62%	40-75%

* Based on 6 months of program operation

2014 COLLECTION RATE TARGETS

Program plan commits to setting targets in 2014 for:

- HID, UV, Neon
- Incandescent and Halogen lamps
- Residential fixtures and PCB-ballasts

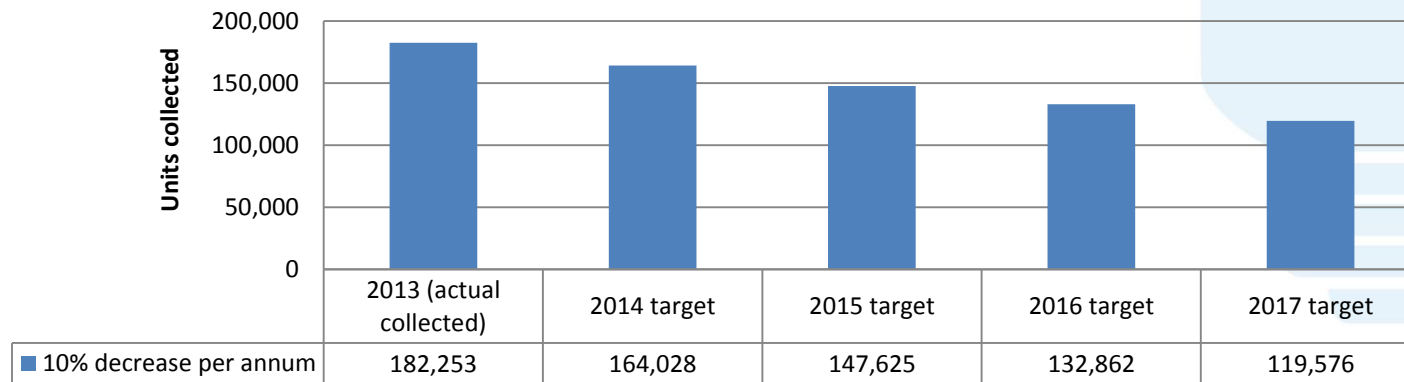


COLLECTION RATE TARGET #1

HID, UV and Neon lamps

Background: Industry feedback is that sales of these lamp types are decreasing as LED technologies gain popularity. LightRecycle member sales data indicates a decrease in 2014 vs. 2013 by 18%. LightRecycle collection data indicates a decrease in units collected in 2014 vs. 2013 by 21%

Proposed target: 10% annual decrease in total units of HID-UV-Neon lamps collected between 2014 and 2017



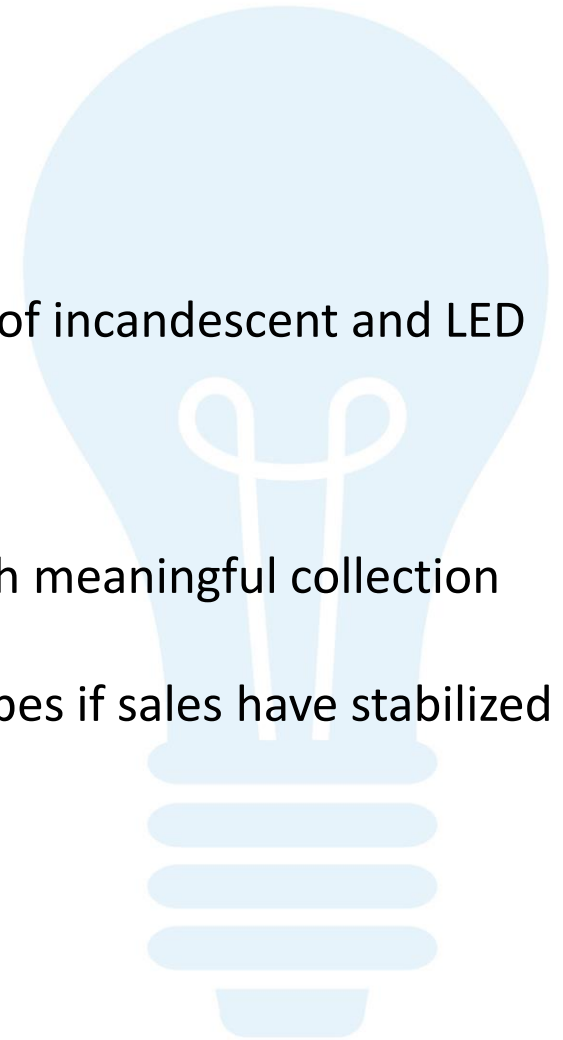
COLLECTION RATE TARGET #2

Incandescent, Halogen, LED lamps

Background: Due to unpredictability in sales volumes of incandescent and LED lamps, sales volumes can not be predicted

Proposed Target:

- ReGeneration believes it is not possible to establish meaningful collection rate targets for these lamp types
- Targets will be proposed in 2017 for these lamp types if sales have stabilized by that time



COLLECTION RATE TARGET #3

Residential Fixtures

Background:

- Industry feedback that LED subtypes are becoming more popular replacing traditional fixtures
- Industry trend toward manufacturing fixtures with more plastic and less metal and glass reducing the overall weight per unit of fixture
- Proposing to submit these targets as a range due to uncertainty in trends

Proposed target:

- Annual increase between 1-5% in total kgs collected between 2014 and 2017

	2013 (actual collected)	2014	2015	2016	2017
Revised target- 1-5% increase (kgs)	182,253	184,076-190,691	185,916-200,225	187,775-210,236	189,653-220,748

COLLECTION RATE TARGET #4

PCB Containing Ballasts

Background: No sales in BC since the 1970s. As such, amount for disposal continues to decline in BC on an annual basis. Additionally, high market rate for disposal of PCBs (\$5/kg + transportation costs) works as a driver for generators to utilize LightRecycle's free pick up service. Program experiencing decline in volume from 2013

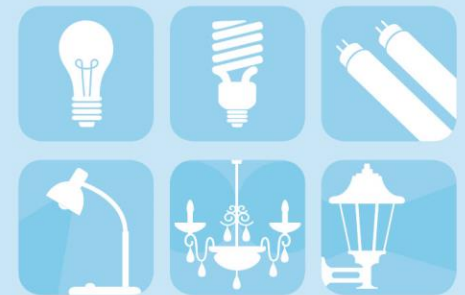
Proposed Target: ReGeneration does not believe it is possible to establish meaningful collection rate targets for this product type

QUESTIONS?

Please provide written comments by **Feb 6, 2015** to:
info@lightrecycle.ca



COLLECTION SITE ACCESSIBILITY TARGETS



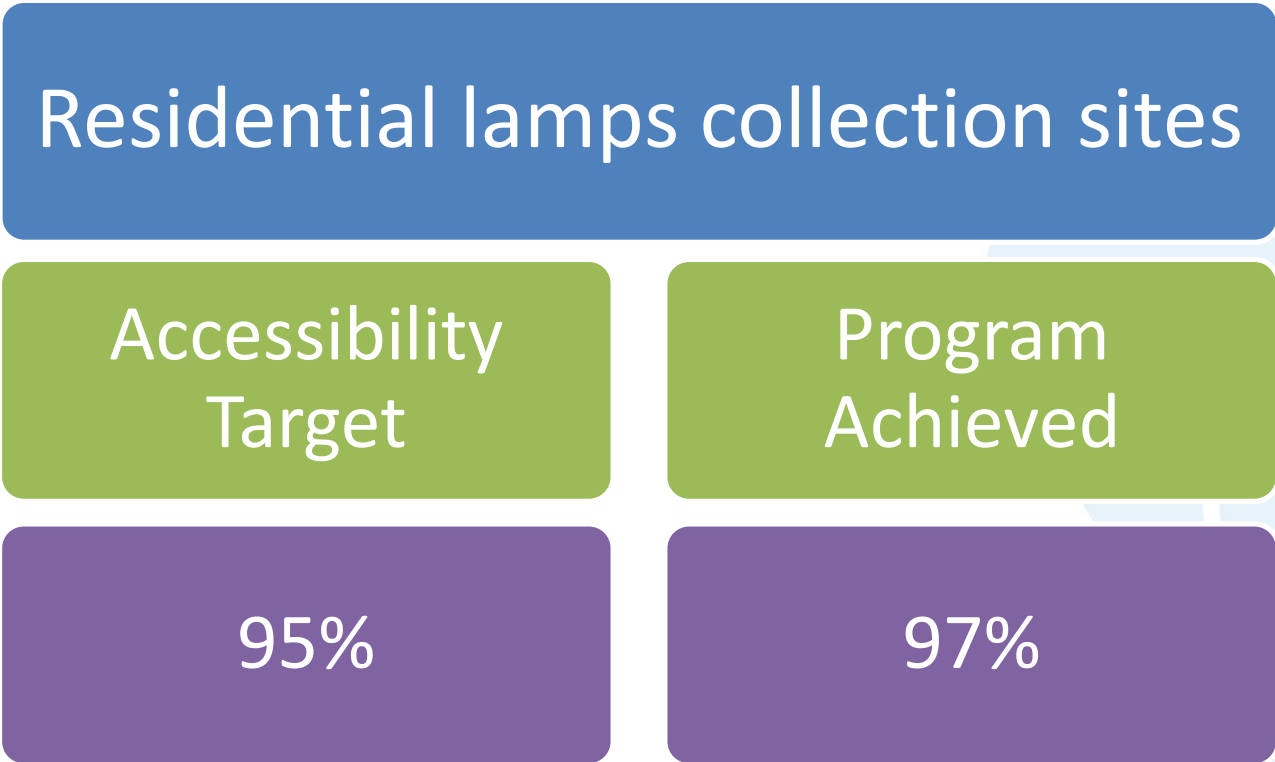
CURRENT COLLECTION COVERAGE

By the end of 2013, the BC LightRecycle program's collection system included:

- 299 advertised collection sites for residential quantities of lamps
- 103 advertised collection sites for large volume generators of lamps
- 128 advertised collection sites for residential quantities of fixtures
- 67 advertised collection sites for large volume generators of fixtures and non-PCB ballasts

PREVIOUSLY ESTABLISHED TARGETS

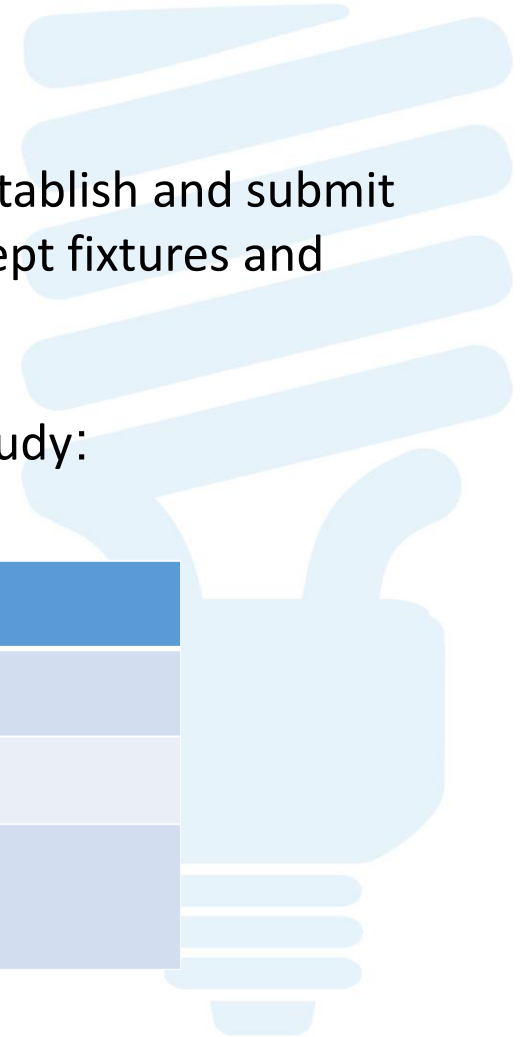
“Access” is defined as a 30 minute drive or less to a collection point an urban centre with a population of 150,000 or more, and a 45 minute drive or less for those living in communities greater than 4,000 people



ACCESSIBILITY ANALYSIS

- Program plan includes a commitment for 2014 to establish and submit accessibility targets for collection locations that accept fixtures and commercial volumes of lamps for recycling
- According to results of collection site accessibility study:

Facility Category	Population Covered	% Covered
Commercial lamps	3,957,941	99%
Residential fixtures	3,885,239	97%
Commercial fixtures + Non PCB ballasts	3,848,533	96%



PROPOSED ACCESSIBILITY TARGETS

- Given current collection site coverage in the province and based on results of collection site accessibility study, ReGeneration is proposing to maintain a 95% accessibility rate for collection sites accepting commercial lamps, residential fixtures, and commercial fixtures and non-PCB ballasts

QUESTIONS?

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Thank you!

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