

British Columbia Lamps & Lighting Equipment Stewardship Plan (BC LightRecycle)

2017 – 2021 Program Plan

CWMA Conference - October 19, 2016



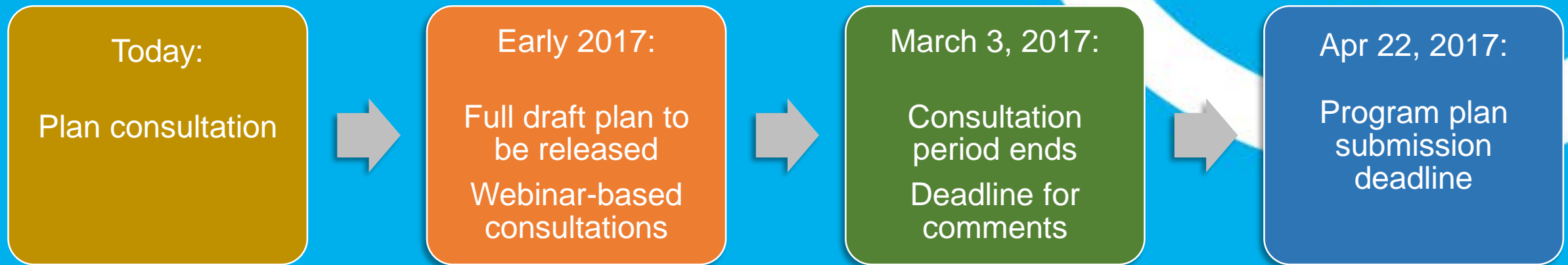
Agenda

- Introduction to Product Care Association
- LightRecycle Program Overview
- Program Performance Metrics
- Questions and Feedback



Consultation Process

- Per the BC Recycling Regulation, stewardship plans must be reviewed every five years
- Current plan operates from 2012-2017



Consultation Notice

- Distributed to all BC Lights members, collection sites and key stakeholders
- Sent to CWMA, SABC and RCBC for distribution
- Posted on productcare.org and ecofeereporting.org





Product Care Association of Canada



- Federal Non-Profit Association, programs started 22 years ago
- Provides compliance for industry members whose products are designated under provincial Extended Producer Responsibility (EPR) laws
- Industry-based board of directors divided into product sectors
- Manages or supports 19 product stewardship programs in 9 provinces and in the USA on behalf of industry
- PCA programs include 1,500 collection sites across Canada



BC LightRecycle Program

Program Overview



BC LightRecycle program operating since 2010



Represents 400+ members

- Manufacturers, wholesalers, retailers, online sales



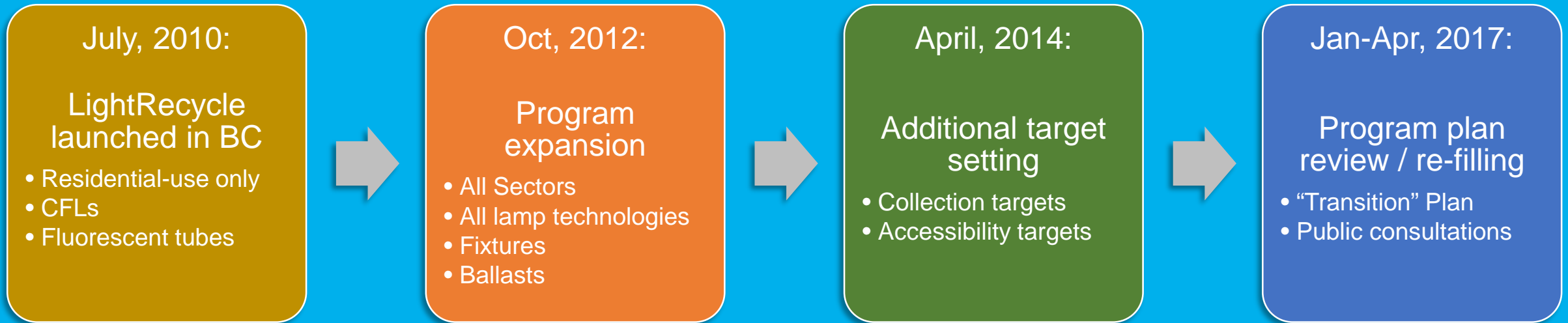
400+ collection depots

- Residential lamps, residential fixtures
- Commercial lamps, commercial fixtures



Collected over 20 million lamps since 2010

Program Timeline





Market Trends

- Dramatic increase in LED sales – 72% average yearly increase since 2014
- Drop in sales of other technologies signals a *market shift*
- Retail promotions to incentivise LEDs
- Uncertainty around how long it will take the market to shift is the main consideration in developing performance metrics for 2017-2021





Scope of Program Plan Review

No material changes proposed regarding:

- Program governance
- Program products
- Funding model
- Program Product Hierarchy



Program Performance Metrics

Collection Reporting Categories – Lamps



- Propose to simplify collection quantity reporting to better reflect the current market

Current Categories	Proposed Categories
CFLs	Fluorescent Lamps (Mercury Containing)
Tubes	
HIDs	
LEDs	LEDs
Incandescent/Halogen	Traditional Lamps
Mini-bulb	

Program Metric – Absolute Collections



- Considerations:
 - Uncertainty in the rate at which the market will shift to newer lamp technologies
 - Fixture collections – collection data does not indicate consistent trends for benchmarking

Product	Current Plan	Upcoming Plan
All Lamps	Report units per category	Report units per category (using new categories)
HID/UV/Neon lamps	Annual target (2014 to 2017)	No target proposed
Residential Fixtures	Report volumes	No Change
Residential Fixtures	Annual target (2014 to 2017)	No target proposed
PCB Containing Ballasts	Report volumes	No Change



Program Metric – Collections per Regional District



Product	Current Plan	Upcoming Plan
Total collected lamps	Reporting total collections by Regional District	No Change



Program Metric – Capture Rate

- Considerations:

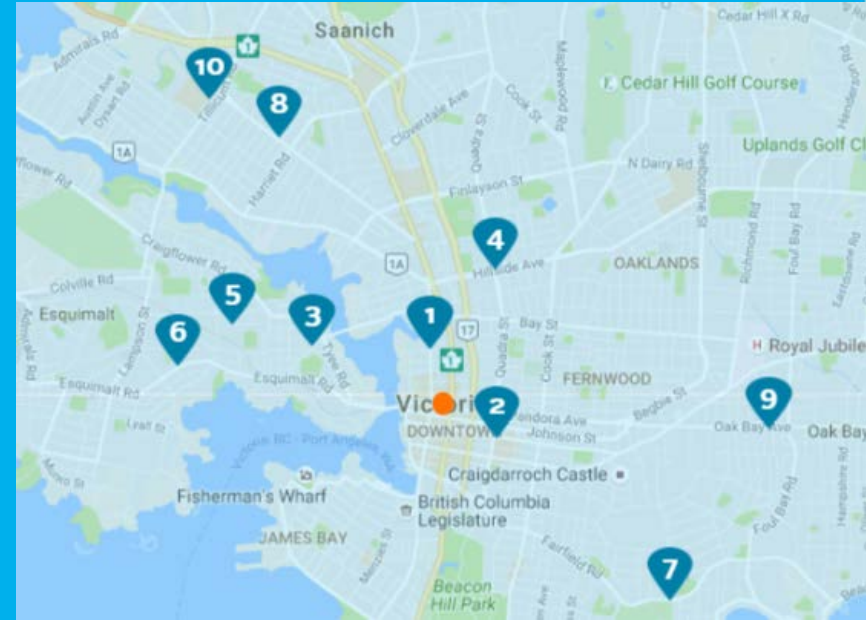
- The program exceeded 100% capture rate for CFLs in 2014 and 2015 illustrating the challenges in calculating the amount of lamps “available to collect”
- Unreliability of metric to reflect program performance
- Metric relies on the assumption that products are used until end-of-life
- Industry trends suggest an undetermined number of lamps are being disposed of prior to end-of-life for energy efficiency upgrades

Product	Current Plan	Upcoming Plan
Tubes and CFLs	Annual target (2012-2017)	Metric not applicable to program

Program Metric – Accessibility



- Considerations:
 - High number of collection sites: 400+
 - High overall accessibility : 95%+



Metric	Current Plan	Upcoming Plan
Number of collection sites	Report number of sites by type	No Change
Population served per collection site type	95% per SABC drive time metrics	No Change
Collection events	Report yearly statistics	No Change



Program Metric – Awareness

- Considerations:
 - Program invested significant funds to increase awareness in 2015
 - Targets not achieved
 - Improving awareness more difficult as awareness levels increase

Metric	Current Plan	Upcoming Plan
General Awareness of the Program	5% increase every two years from 2013	3% increase every two years from 2015
Awareness Study	Every two years	No Change
Website Hits (www.lightrecycle.ca)	Report yearly statistics	No Change
RCBC Statistics (Website hits, Calls, App hits)	Report yearly statistics	No Change

Questions?



Thank You! What's next?

Full draft plan to be released **January 2017**

Additional webinar consultations to be held **early 2017**

Deadline for written comments:

March 3, 2017

Additional questions/feedback? Please contact us.

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