



Thinking  
beyond  
the box

Stewardship Ontario

# Developing an Amended Blue Box Program Plan

Consultation with Ontario Environmental Non-Government  
Organizations

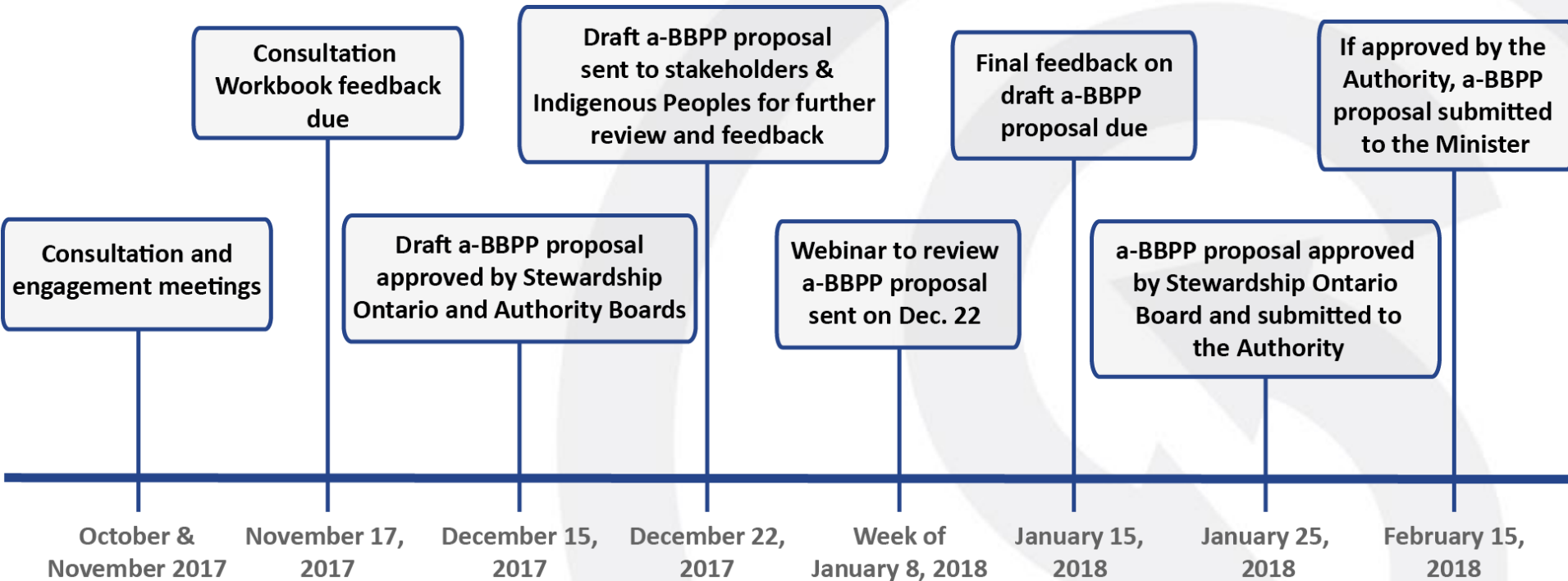
**November 17, 2017**

# Today's Agenda

1. Consultation process
2. The Transition mechanism
3. Collecting PPP
4. Definitions of steward and obligated paper products and packaging
5. Standardized list of targeted materials for collection
6. Performance targets
7. Next Steps

- Authority and Stewardship Ontario will release a full draft of the a-BBPP proposal by December 22, 2017
- Consultation webinar for stakeholders will be held on January 8 and written feedback will be requested by January 15
- a-BBPP must be approved by the Authority and submitted to Minister by February 15<sup>th</sup> 2018 deadline, along with a Consultation Report
- All consultation materials, including webinars and associated slide decks are posted

# Timeline for consultations



# TRANSITION TO FULL PRODUCER RESPONSIBILITY

# Minister's Letter: Approach to Transition to Full Producer Responsibility

- This first phase of transition “will set the stage for a second phase of transition that will result in individual producer responsibility under the Resource Recovery and Circular Economy Act, 2016 (RRCEA)”.

# Transition must meet four objectives

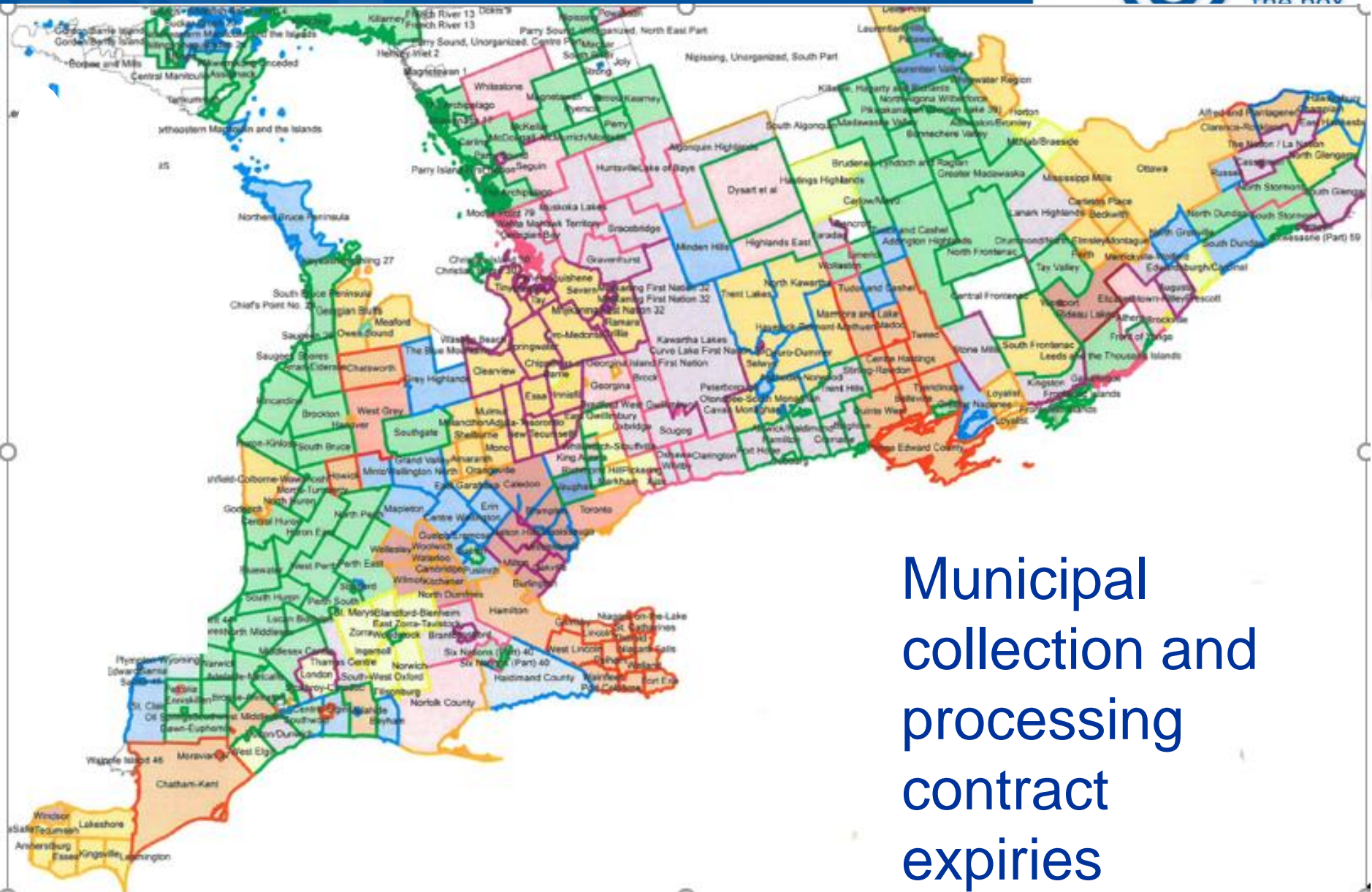
- Preserve integrity of residential recycling while improving environmental outcomes
- Seamless transition to producer responsibility: Uninterrupted collection service to Ontarians
- Avoid disruption of existing community contracts and ensure an open and competitive market
- Minimize disruption to municipal and First Nations capital assets

# Transition Approach

- Stewardship Ontario to assume both financial and operational responsibility (and accountability) for PPP collection and management.
- Over time Stewardship Ontario will systematically replace the agreements that exist today with hundreds of its own agreements with communities and service providers for collection and management of PPP. Today:
  - Several hundred collection and processing contracts (~400) with varying expiry dates (>90% by tonnes): or
  - Directly by communities (<10% by tonnes).
- Increase diversion to 75% of the PPP supplied by stewards to residential households (plus material-specific management targets) where Stewardship Ontario has assumed responsibility.



# TRANSITION: THE BIG PICTURE

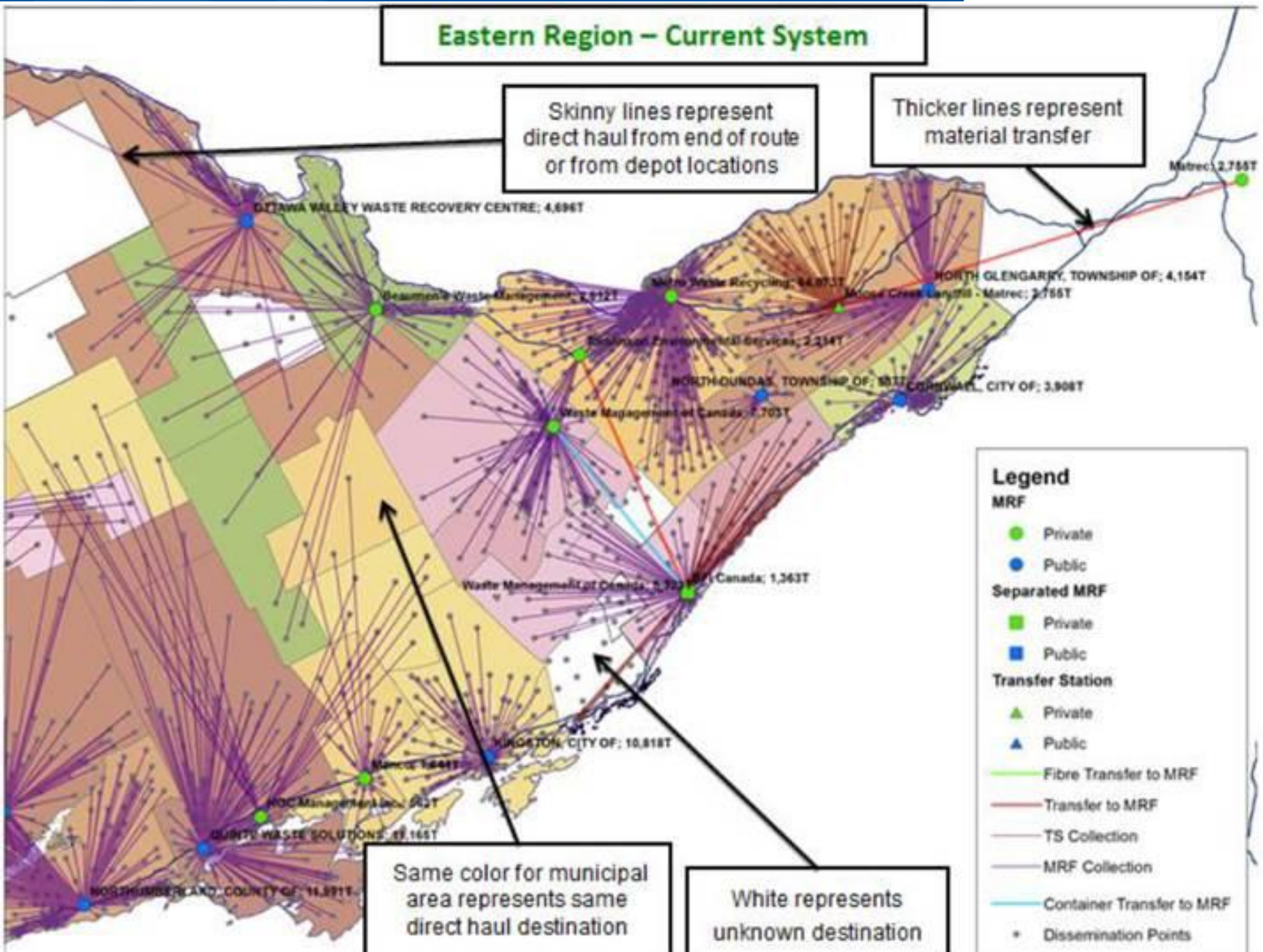


Municipal  
collection and  
processing  
contract  
expiries

# Eastern Region – Current System

Skinner lines represent direct haul from end of route or from depot locations

Thicker lines represent material transfer



Same color for municipal area represents same direct haul destination

White represents unknown destination

**Legend**

**MRF**

- Private (Green circle)
- Public (Blue circle)

**Separated MRF**

- Private (Green square)
- Public (Blue square)

**Transfer Station**

- Private (Green triangle)
- Public (Blue triangle)

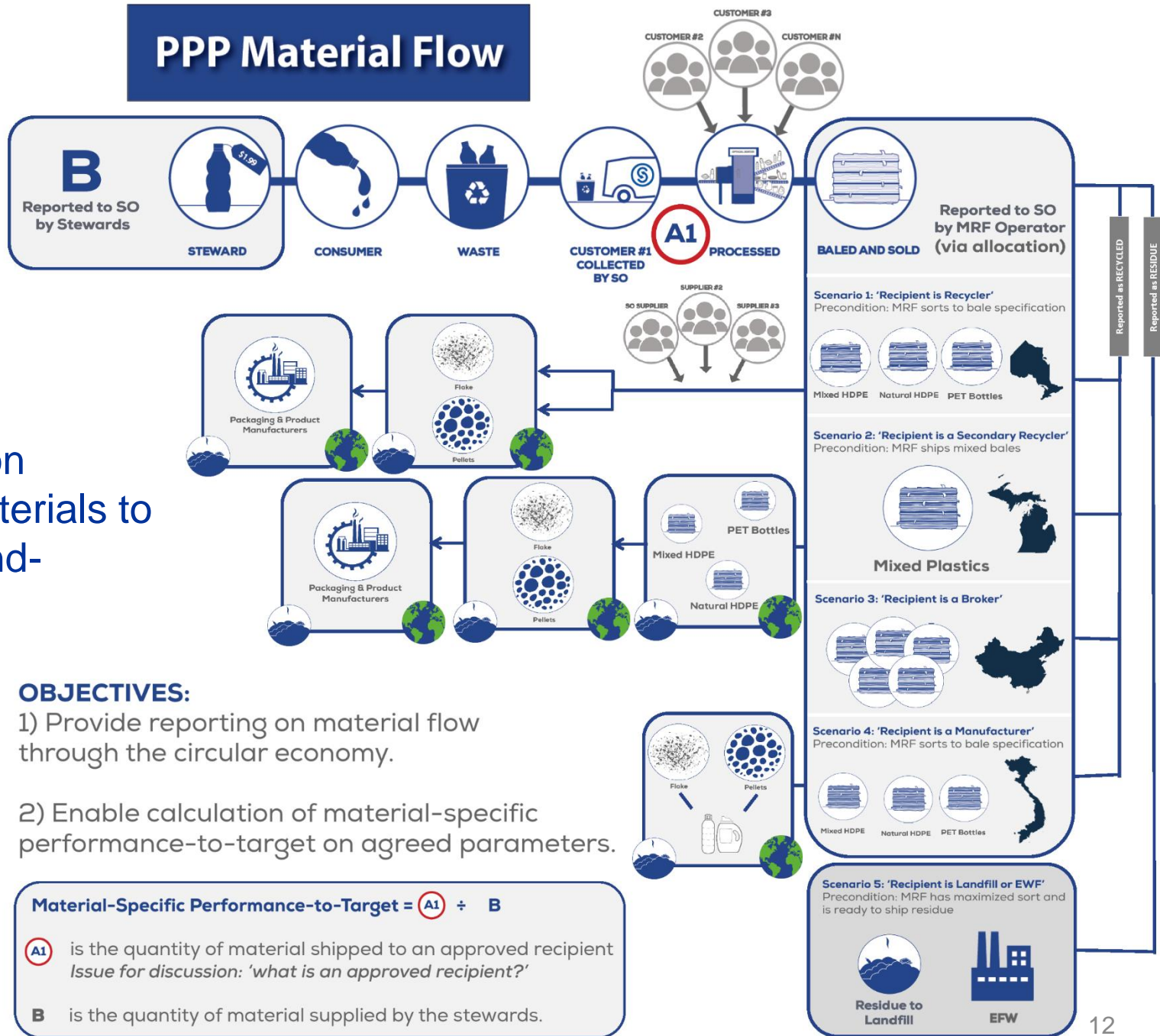
**Transfer Methods**

- Fibre Transfer to MRF (Green line)
- Transfer to MRF (Red line)
- TS Collection (Grey line)
- MRF Collection (Black line)
- Container Transfer to MRF (Cyan line)

**Dissemination Points**

- Dissemination Points (Small black dot)

# PPP Material Flow



Diversion is predicated on shipping materials to approved end-markets

## OBJECTIVES:

- 1) Provide reporting on material flow through the circular economy.
- 2) Enable calculation of material-specific performance-to-target on agreed parameters.

$$\text{Material-Specific Performance-to-Target} = \frac{A1}{B}$$

**A1** is the quantity of material shipped to an approved recipient  
*Issue for discussion: 'what is an approved recipient?'*

**B** is the quantity of material supplied by the stewards.

# **COLLECTION: STATUS QUO AND EXPANSION**

# Collection today and tomorrow

- Preserve existing collection services as delivered in Ontario today
- Expand service over time
  - Priority to 300,000 un-serviced multi-family dwellings
  - Public spaces
  - Potentially to communities receiving curbside garbage collection but not curbside recycling

# Proposed approach to expanding Multi-family collections

- At end of transition year one collectors eligible to receive a payment per multi-family household serviced if:
  - Qualification requirements are met
  - Multi-family residents deliver PPP to an accessible central storage area
  - Collector has written agreement with the building manager to gain access to the storage area
- Payments set to provide meaningful incentive to establish long-term relationships with multi-family property managers taking into account observed market pricing for comparable services

# Consultation Questions

1. Do you agree with the objectives of the proposed approach for transition? Are there other objectives you would like to see added?
2. Do you agree with the proposed transition approach? If not, what approach would you prefer we consider?
3. Do you agree with the proposed approach to expand multi-family collection? If not, what approach would you prefer we consider?



# **DEFINITIONS OF STEWARD AND OBLIGATED PAPER PRODUCTS AND PACKAGING**

# The Minister's letter requires definitions in the a-BBPP

- Define steward
- Define obligated materials which shall include:
  - Paper products
  - Primary packaging
  - Convenience packaging
  - Transport packaging
- The Minister further directed that the definitions for primary, convenience and transport packaging follow the definitions in the *RRCEA*

# Definition of stewards remains as is

- **Obligated stewards fall into two main categories:** *brand holders and first importers into Ontario of products that result in Blue Box wastes under the program.*
- Descriptions in the Steward Rules further specify the types of businesses that fall into these categories
- There are no material changes to the definition of steward proposed under the a-BBPP

# There are some changes to the definition of PPP

- Paper products (**NEW**)

- Paper for writing, printing and copying and other general use, but does not include books or paper products intended for hygienic use.

- Primary packaging (**EXPANDED**)

- **Packaging-like Products:** Aluminum pie plates, aluminum foil, corrugated cardboard boxes for moving or mailing items, plastic or paper-based beverage cups, Kraft paper bags, re-sealable plastic bags, tissue paper, wrapping paper.
- These materials are similar to Primary Packaging, have a similar function to packaging and are found in the Blue Box.

# There are some changes to the definition of PPP (Con't)

- Convenience packaging (i.e. material used in addition to primary packaging to facilitate consumers' handling or transportation of one or more products, such as boxes and bags)
  - This definition remains the same.
- Transport packaging
  - This category is new. The definition is intended to capture e-commerce packaging supplied by brand holders and first importers, but **not IC&I**.

# Consultation questions on proposed definitions of steward and paper products and packaging

1. Do you agree with the proposed definition of steward? If not, why not and what would you propose instead?
2. Do you agree with the expanded definition of PPP? If not, why not and what would you propose instead?

# Questions?



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# STANDARDIZED LIST OF TARGETED MATERIALS FOR COLLECTION



# Minister's Request

- Provide for continuous improvement of environmental outcomes by “Expanding and harmonizing the list of materials in the existing Blue Box program that are accepted from Ontario residents.”

# Observations regarding materials targeted for collection

- Material targeted for collection must have end markets
  - Today, anything shipped out of a MRF is claimed as diverted despite some of the materials shipped to downstream processors (esp. plastics) that is burned or landfilled;
  - Current diversion rates for plastics are lower than reported
- All materials targeted for collection must contribute to environmental performance
  - Materials will not be added that do not contribute to diversion performance
  - EFW is not an option in Ontario
- Materials are targeted for collection if they meet these conditions:
  - Availability of reliable end markets with sufficient capacity will drive decision if a material should be targeted for collection
  - Materials that are costly to manage yet have a reliable end market, must be targeted for collection
  - Operational and technological changes result as a work back from assessing what potential markets need in terms of material characteristics and quality

# Difficult to manage materials accepted for collection

- Polycoat containers
- Hot and cold beverage cups
- PET Thermoforms
- Glass (except beer & ODRP glass on deposit)
- LDPE & HDPE Film (although degraded quality when collected commingled)

# Notable recommended materials not on initial list of targeted materials

Material	Rationale	Enablers to collection
Non-PS Foam	Disruptive and contaminant in recycling process – incompatible with other materials	Unknown – research required.
PS Foam	Limited markets for clean foam. Not viable for curbside collection	Explore alternate methods of collection.
Polystyrene	Limited markets for clean homogenous materials.	Currently used as EFW / engineered fuel. Alternate markets need development
PLA	Not recycled if captured; degrades marketability/market value	Unknown – research required.

# Notable recommended materials not on initial list of targeted materials

Material	Rationale	Enablers to collection
#7 plastics	Not recycled if captured; degrades marketability/market value	Currently used as EFW / engineered fuel. Alternate markets need development.
Aerosols	Hazardous to recycling workers	Determine if these can be managed safely.
Multi-laminates	No recycling solution at this time	Develop new recycling technologies. Creation of fuel.
Biodegradable plastics	Disrupter	Advances in organics processing – cannot be processed today in volume.
Packaging containing residue of hazardous, special or medical waste	Hazardous to recycling workers, contaminant	Alternate programs.

# Questions we are working on...

- Can they be managed today (i.e. processed)?
  - If so, what are the end-markets? Where are they? Are they stable and can take steady volumes?
  - In the worst case, status quo scenario (i.e. single-stream cart based collection) can these materials be collected at a quality necessary for processing for shipments to end-markets. If so, how?
  - In general, what operational changes need to be made to collect and process to make them suitable for marketing?
- If not managed today, can markets be found or collection and management processes changed to make markets viable?

# Consultation questions on proposed approach to define a standardized list of materials to be collected and managed

1. Do you agree with the proposed approach to expanding and harmonizing the list of materials in the Blue Box program to include those materials for which end markets exist and expanding the list of materials as markets become available? If not, what approach would you prefer we consider?

# Questions?



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# PERFORMANCE TARGETS

# Minister's Request & Objectives

- Minister's request
  - Increase the diversion target for the Blue Box Program to 75% in transitioned communities
  - Establish material-specific management targets in transitioned communities
- Proposed objectives
  - Propose achievable targets that will contribute to the overall diversion target
  - Focus on increasing the performance of materials currently under the 75% future target

## Attainable Targets + Appropriate Tools + Time = Success

BBPP (2004-2008)	BBPP (2008-present)	Amended BBPP
50%	60%	75%

- Stewards achieving a 64% diversion rate today
- The Minister's prescribed overall target of 75% is achievable over a reasonable period of time and will be facilitated by:
  - Standardizing the list of materials
  - Expanding collection to multi-family households and new communities

# Proposed material-specific management targets

Stewardship Ontario is proposing the following material-specific management targets for four (4) categories of PPP:

Material	Today*	Amended BBPP	Improvement
<b>Paper products/packaging</b>	94%	95%	+ 1 %
<b>Glass packaging</b>	73%	75%	+ 2 %
<b>Plastic packaging</b>	35%	40%	+ 5%
<b>Metal packaging</b>	55%	65%	+ 10 %

Targets apply only to transitioned communities (calculated on a per household prorated basis).

*\*Assumed based on changes to definitions of PPP and other proposed changes*

# Improving environmental outcomes through waste reduction

- Fee setting methodology as a tool to improve environmental outcomes by adding costs to materials requiring investments in new technologies or end markets
- Develop collaboration forums between stewards and the waste management industry to generate solutions for problematic materials

# Consultation questions on performance targets and reduction initiatives



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1. The Minister has requested a 75% diversion target. Do you think this is achievable using the approach outlined? If not, what else do you propose Stewardship Ontario consider? Why?
2. Do you support the introduction of material-specific targets? If so, why? Are the proposed targets achievable in your view? If not, what do you see as the challenges? Are there any suggestions you could offer to address these challenges?
3. Do you support our proposed approaches to encourage improved environmental outcomes? If so, why and if not, what suggestions would you offer instead to address problematic materials? Do you support investigating the provision of recycled content credits for qualifying materials?
4. Are you in favour of using supply chain collaboration forums to develop solutions to problematic materials? Do you have any experience with such forums that you would like to share? Do you have any advice for how these forums can best be utilized?

# Questions?



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# NEXT STEPS



# Watch for Consultation Questions

- This presentation and webinar recording will be posted on <http://stewardshipontario.ca/a-bbpp>
- Online Consultation Workbook will be emailed to you by tomorrow
  - The Consultation Workbook will contain information provided to you today accompanied by questions inviting your responses.
  - Your feedback will be carefully considered as the draft a-BBPP is developed
  - **Please submit your feedback by November 29, 2017**

# Questions? Feedback?

Submit questions and comments here:

<http://stewardshipontario.ca/a-bbpp-feedback-questions>

Project updates are posted here:

<http://stewardshipontario.ca/a-bbpp>

