



MORRISON HERSHFIELD

# Reduce and Reuse Options to Consider for the Solid Waste Management Plan

PTAC Meeting January 7, 2020



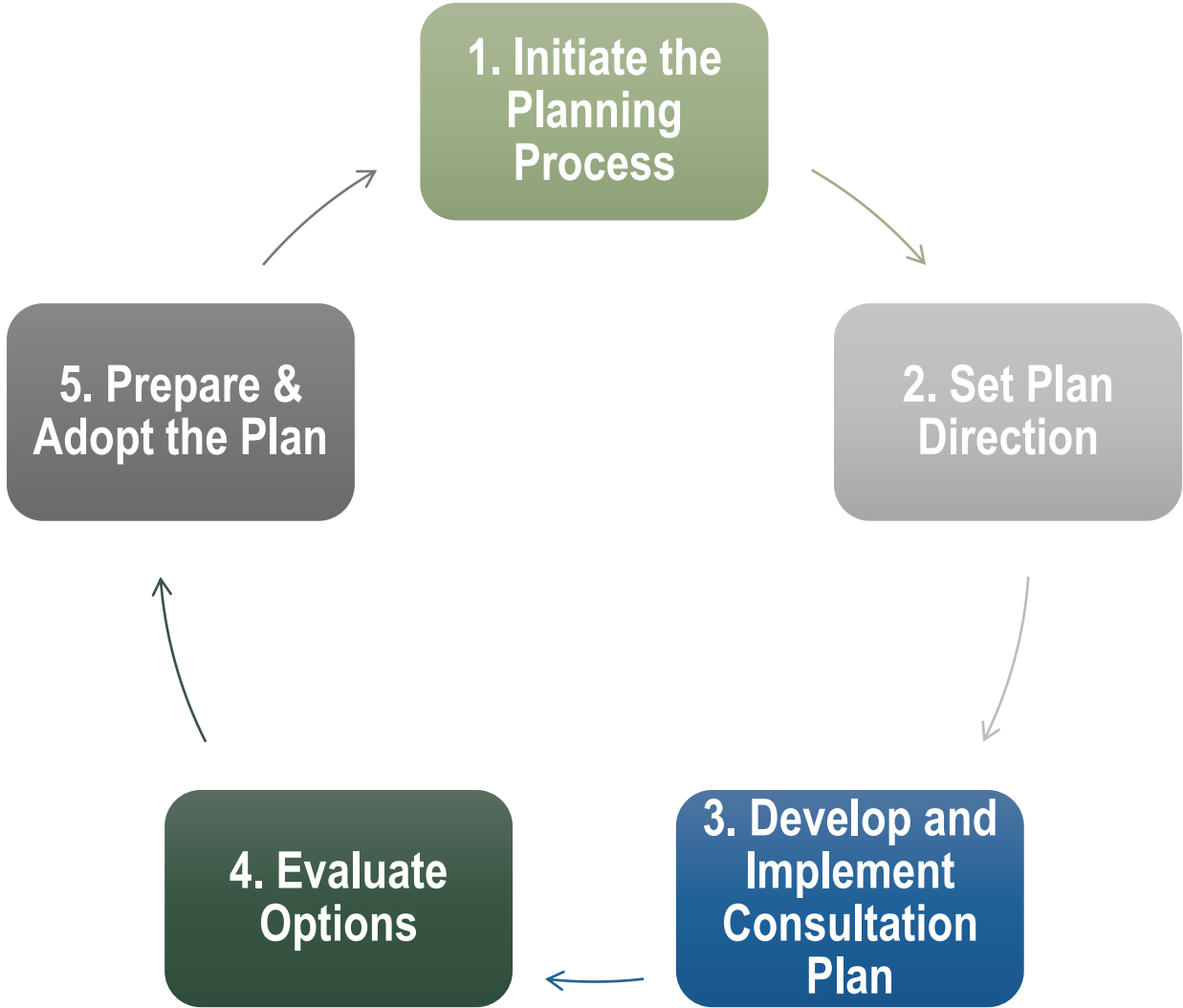
Regional District of  
**Kitimat-Stikine**

# Outline

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- Introductions
- Plan review process
- Provincial Guiding Principles
- Potential strategies to reduce waste generation and improve reuse opportunities
- Impacts of strategies
- Narrowing down strategies
- Next steps - summary of remaining issues and SMART objectives

# Overview Plan Review Process



# Waste Hierarchy

- Waste Diversion
  - Reduce and Reuse
  - Recycle
- Energy Recovery
- Residual Waste Management



# Recap Planning Process to Date

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- Planning process was initiated in 2017
- Formation of the Public and Technical Advisory Committee (PTAC)
- Assessment of the current system
- Development of a Consultation plan
- Undertook public survey



Love this place.  
Reduce your waste.

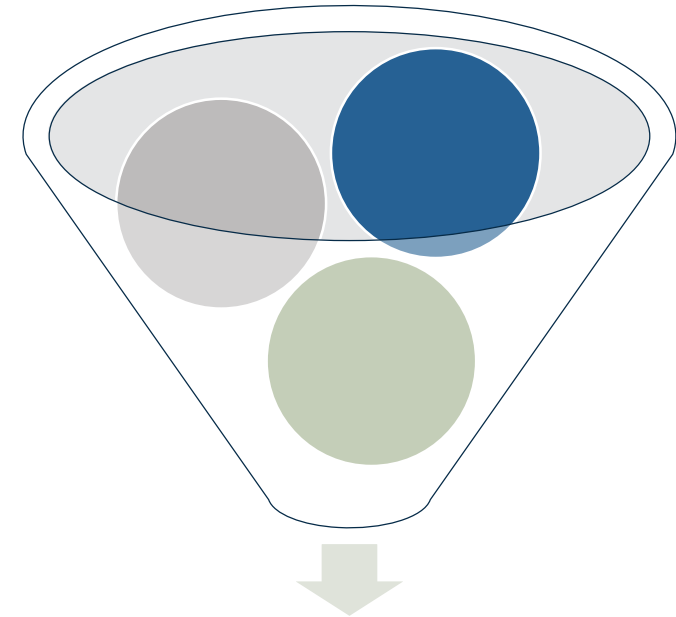
# Recap Planning Process to Date

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- Six technical memos covering specific topics
  - Efficiency
  - Reduction and reuse options
  - Reduce single use items
  - Food waste reduction
  - Building deconstruction vs. demolition
  - Waste management space requirements for new ICI construction

# Meeting Purpose

- Outline the key reduce and reuse strategies and actions to consider
- Narrow down the waste reduction and reuse options that forms the Preferred Options



Preferred Options to be included in the Draft SWMP for Public Consultation

# Provincial Guiding Principles for Plan Update

1. Promote zero waste approaches and support a circular economy

2. Promote the first 3 Rs (Reduce, Reuse and Recycle)

3. Maximize beneficial use of waste materials and manage residuals appropriately

4. Support polluter and user-pay approaches and manage incentives to maximize behaviour outcomes

5. Prevent organics and recyclables from going into the garbage wherever practical

6. Collaborate with other regional districts wherever practical

7. Develop collaborative partnerships with interested parties to achieve regional targets set in plans

8. Level the playing field within regions for private and public solid waste management facilities



# Review Provincial Guiding Principles

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- Discussion:
  - Are these locally relevant principles?
- Proposed added guiding principle:

9. Improve operational efficiency of the current solid waste system

# Context - Reduce

- Increasing waste generation per person
- Increasing diversion but an overall reduction of waste generation is needed
- RDKS promotes waste reduction through outreach and education
- RDKS's role can be to regulate, educate and facilitate



# Context – Reduce

- Extended Producer responsibility (EPR) is driven by the BC Recycling Regulation
- Requires the producers to set up collection and management system for products listed in the regulation
- Over 20 EPR programs in BC

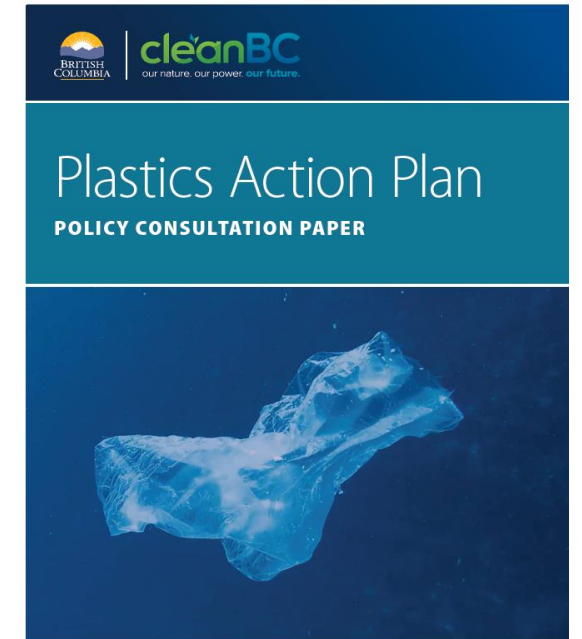


# Potential Reduce Strategies

## 1: Lobby for reduction of single-use items and packaging

Consideration has to be given to:

- Recent court ruling on municipal bans/restrictions
- Federal commitment
- Provincial consultation paper



# Potential Reduce Strategies

## 1: Lobby for reduction of single-use items and packaging

- A. Lobby for the implementation of a provincial EPR program for single-use items and packaging-like products via suitable organizations
- B. Lobby the federal government to enact regulations and regarding the distribution of single-use items



# Potential Reduce Strategies

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**2: Support member municipalities with implementation of bylaw(s) to eliminate the distribution of single-use items**

A. Support member municipalities with developing and implementing reduction strategies and bylaw(s) to eliminate the distribution of single-use items, provided it is supported at a provincial level.

# Potential Reduce Strategies

## **3: Encourage voluntary reduction of single-use items by businesses**

- A. Voluntary commitment to a reduction of the use of single-use items by developing and implementing outreach campaigns
- B. Supporting member municipalities to encourage events free of single-use items
- C. Collaborating with Northern Health to develop a guidance document how to set up a Bring Your Own Cup program



# Potential Reduce Strategies

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**4: Adopt a preferential purchasing policy for green procurement that supports reduce, reuse and the use of recycled content**

**A. ..and encourage member municipalities to follow its example**

To consider commitment to:

- Reduced use of single-use items
- Recycled content in material purchases
- Require contractors used by the RDKS to have environmental sustainability built into their business models



# Potential Reduce Strategies

## 5: Promote waste reduction ideas through targeted campaigns

- A. Promote waste reduction ideas using some of the readily available campaigns



# Context Reuse

- There is a strong interest for more reuse opportunities in the region
- Landfill scavenging is prohibited at all RDKS solid waste facilities
- RDKS maintains recycling directories including reuse options



# Potential Reuse Strategies

## 6: Support reuse through share sheds and reuse stores

- A. Assess the feasibility to operate a share shed, including the associated liability and resource requirement
- B. Consider allowing space at the waste management facilities for private collection of reusable goods to be sold at separate location



# Potential Reuse Strategies

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## 6: Support reuse through share sheds and reuse stores

- C. Partner with or support private industry in the operation of a reuse store
- D. Support and promote existing reuse organizations by for example including those not currently included in the RDKS directory of reuse options in the region
- E. If deemed necessary, amend the RDKS Solid Waste Regulation Bylaw to facilitate the reuse of waste materials at the **if** current waste management facilities

# Potential Reuse Strategies

## 7: Support reuse and/or repair events

- A. Organize, sponsor or promote reuse through local flea markets or trunk sales



Photos by the Regional District of Central Okanagan showing the trunk sale organized by the regional district

# Potential Reuse Strategies

## 7: Support reuse and/or repair events

- B. Apply for provincial or federal funding to run a pilot for a regional reuse event to assess community uptake and feasibility for a wider implementation Plan. The pilot can identify if items are most suited to be collected at the curb or at set locations such as waste management facilities
- C. Promote local repair cafés and similar events through sponsorship or marketing



# Potential Reuse Strategies

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## **8: Develop a contractor's guide to reduction, reuse and recycling**

- A. Update the current information brochure to include reduce and reuse options for renovation, construction and demolition catered to both contractors and home owners

# Potential Reuse Strategies

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## **9: Reuse of construction and demolition materials through deconstruction**

- A. Facilitate reuse through deconstruction by promoting markets for reusable building materials
- B. Encourage local reuse opportunities of demolition materials by updating the Construction Site Waste Management information brochure
- C. Assess the feasibility of having member municipalities require building deconstruction through a cost benefit analysis and support implementation if deemed feasible



# Impacts of Potential Reduce Strategies

#	Strategy	Operational costs	Capital Costs
1	Lobby for reduction of single-use items and packaging	Low	Low
2	Support member municipalities with implementation of bylaw(s) to eliminate the distribution of single-use items	Low	Low
3	Encourage voluntary reduction of single-use items by businesses	Low-Medium	Low
4	Adopt a preferential purchasing policy for green procurement that supports reduce, reuse and the use of recycled content	Low	Low
5	Promote waste reduction ideas through targeted campaigns	Low	Low

# Impacts of Potential Reuse Strategies

#	Strategy	Operational costs	Capital Costs
6	Support reuse through share sheds and reuse stores	Low-Medium	Low-High
7	Support reuse and/or repair events	Low	Low
8	Develop a contractor's guide to reduction, reuse and recycling	Low	Low
9	Reuse of construction and demolition materials through deconstruction	Low-High	Low-High

# Impacted Stakeholders

	Strategy	RDKS	Member municipalities	Residents	Waste haulers and recycling facilities	ICI sector	Non-profit organizations	Comments
1	Lobby for reduction of single-use items and packaging							The majority of stakeholder groups are affected if the Province regulates single-use items.
2	Support member municipalities with implementation of bylaw(s) to eliminate the distribution of single-use items							
3	Encourage voluntary reduction of single-use items by businesses							
4	Adopt a preferential purchasing policy for green procurement that supports reduce, reuse and the use of recycled content							All contractors are potentially impacted.
5	Promote waste reduction ideas through targeted campaigns							

# Impacted Stakeholders

	Strategy	RDKS	Member municipalities	Residents	Waste haulers and recycling facilities	ICI sector	Non-profit organizations	Comments
6	Support reuse through share sheds and reuse stores							Stakeholder involvement depend on owner operator model chosen.
7	Support reuse and/or repair events							Stakeholder involvement depend on the level of RDKS involvement.
8	Develop a contractor's guide to reduction, reuse and recycling							
9	Reuse of construction and demolition materials through deconstruction							Stakeholder involvement depend on the level of RDKS involvement.

# Exercise – Narrowing Down Strategies

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- Which ones are the most impactful strategies and actions?
- Are there any that the RDKS should not pursue?

# Next Steps

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- Consider remaining issues
- Work with PTAC to develop options for the Public to consider options for:
  - Recycling
  - Residual waste management at existing facilities
  - Residual waste management at new facilities
  - Cost recovery
- May 2020: Meet with PTAC and Board to agree on Preferred Options to include in the new SWMP

# Consider SMART targets

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- SMART - specific, measurable, attainable, relevant, and time-bound targets



# Questions? Comments?

## Thank you

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