

**metro**vancouver

# Welcome

View of the Second Narrows Bridge



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# Agenda

View of Metro Vancouver



# AGENDA

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1. Welcome

2. Agenda – November 21, 2024

3. Meeting Notes – September 13, 2024

4. Action/Standing Items

5. November 7, 2024 ZWC/PTAC Public Presentation Day Debrief

6. Metro Vancouver Updates

7. Working Group Presentations

8. Additional Discussion on Solid Waste Management Plan Update – Idea Generation

9. Other Business

10. Information Items



# Meeting Minutes

View of Metro Vancouver





# Action Items

View of Metro Vancouver





# Debrief – ZWC/PTAC Public Presentations

View of Metro Vancouver

# Metro Vancouver Updates

View of Metro Vancouver





Transfer Station recycling bins

# Solid Waste Management Plan Update

## IDEA GENERATION

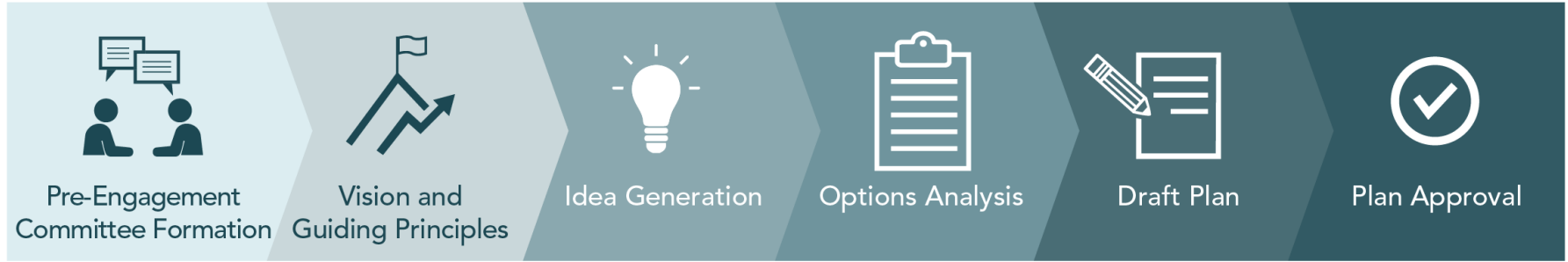
Terry Fulton, P.Eng.

Senior Project Engineer, Solid Waste Services

Solid Waste Management Plan Update Public/Technical Advisory Committee Meeting, Nov 21, 2024

**metrovancouver**

# PLAN TIMELINE



we are here



# FROM IDEAS TO PLAN

## Idea Generation

- Focus areas created based on feedback from vision and guiding principles phase
- Will result in set of potential actions and strategies

## Options Analysis (Subsequent Phase)

- Evaluation criteria will be developed and applied to the ideas generated in previous phase



# ISSUES/OPPORTUNITIES DISCUSSION QUESTIONS

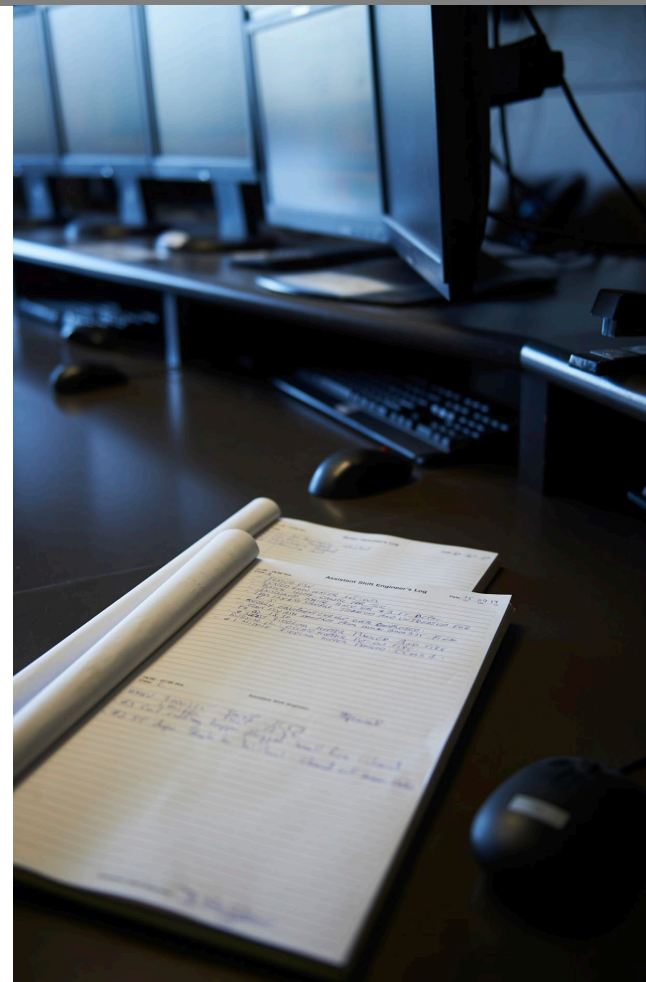
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Since the Integrated Solid Waste and Resource Management Plan was approved in 2011, Metro Vancouver's waste generation rate has decreased 11%, while our recycling rate has increased from 57 to 65% – nearly twice the Canadian average recycling rate. **What actions can build on our success to:**

- Rethink and prevent waste in the first place?
- Enhance accountability for eliminating waste?
- Leverage knowledge and expertise through collaboration?
- Increase participation and reduce contamination in organics and recycling programs?
- Promote confidence in recycling systems?
- Help us expand inclusive programs and services?
- Plan for future infrastructure and systems for waste management across the region?

# NEXT STEPS

- Early 2025:
  - Develop draft evaluation criteria
  - Draft goals
  - Report out on idea generation engagement







Metro Vancouver Skyline

Thank You

**metro**vancouver

# ZERO WASTE COMMITTEE UPDATES - NOVEMBER

- Construction and Demolition Waste Reduction Forum
  - Collaboration with Light House w/ funding through RKI grant
- Engagement Panel Terms of Reference update
- IAC Feedback Summary report
- Manager's report
  - Binnars' Project Coffee Cup Revolution
    - 178,042 cups returned, \$17,800 to binnars who participated
  - Reuse Research Reports
    - Research on recycling and reuse of bulky household items
    - Project reports available on the Metro Vancouver website



# Working Group Presentations

View of Metro Vancouver





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# ZERO WASTE

2024-11-21

**Metro Vancouver PTAC  
Plastics Working Group**



# Plastics Working Group Meetings

## PTAC members involved

Brianne De Man

Doug Schell

John Doherty

Kevin Huang 黃儀軒

Louise Schwarz

Michael Zarbl

Sue Maxwell

Tara Immell


## Metro Vancouver staff provided support and data

On most items, we came to consensus but we will flag the areas with differing view points with this symbol



## 6 meetings conducted

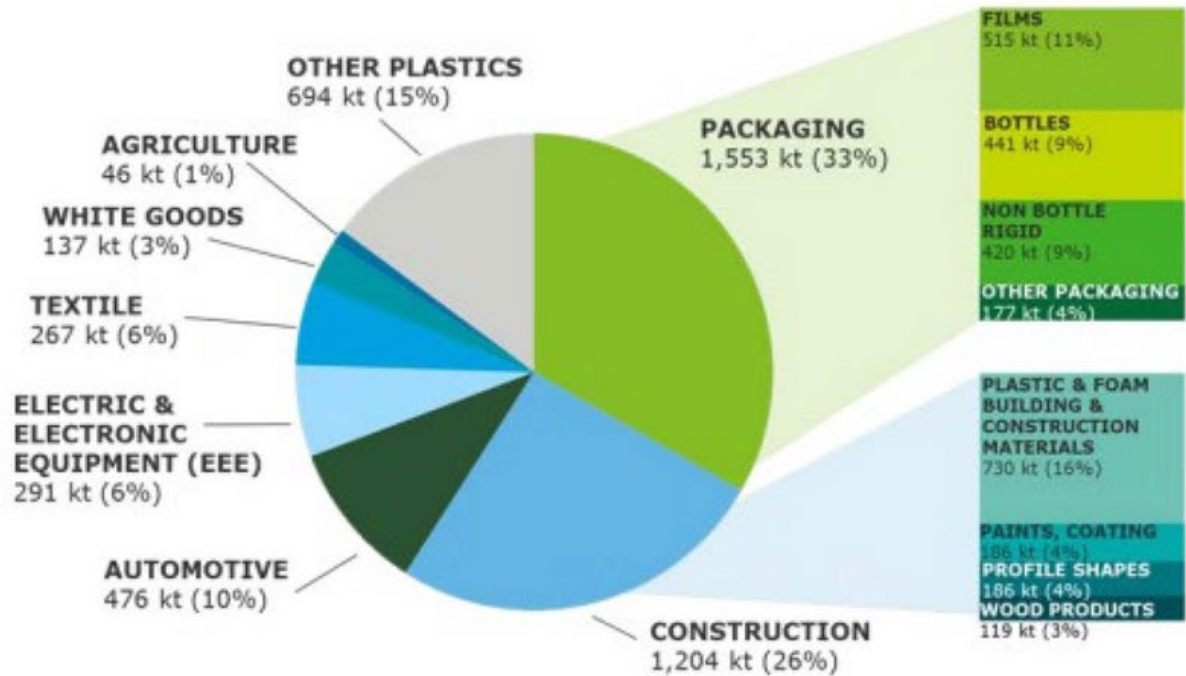
# 142,287 tonnes of Plastic Waste / Year (2022)

An underwater photograph showing various pieces of plastic waste, including bags and fragments, floating in clear blue water. The scene illustrates the environmental impact of plastic pollution.

Primary Category	Combined Composition <sup>1</sup>
<b>Disposed Tonnes</b>	<b>889,292</b>
Paper	17%
Plastic	16%



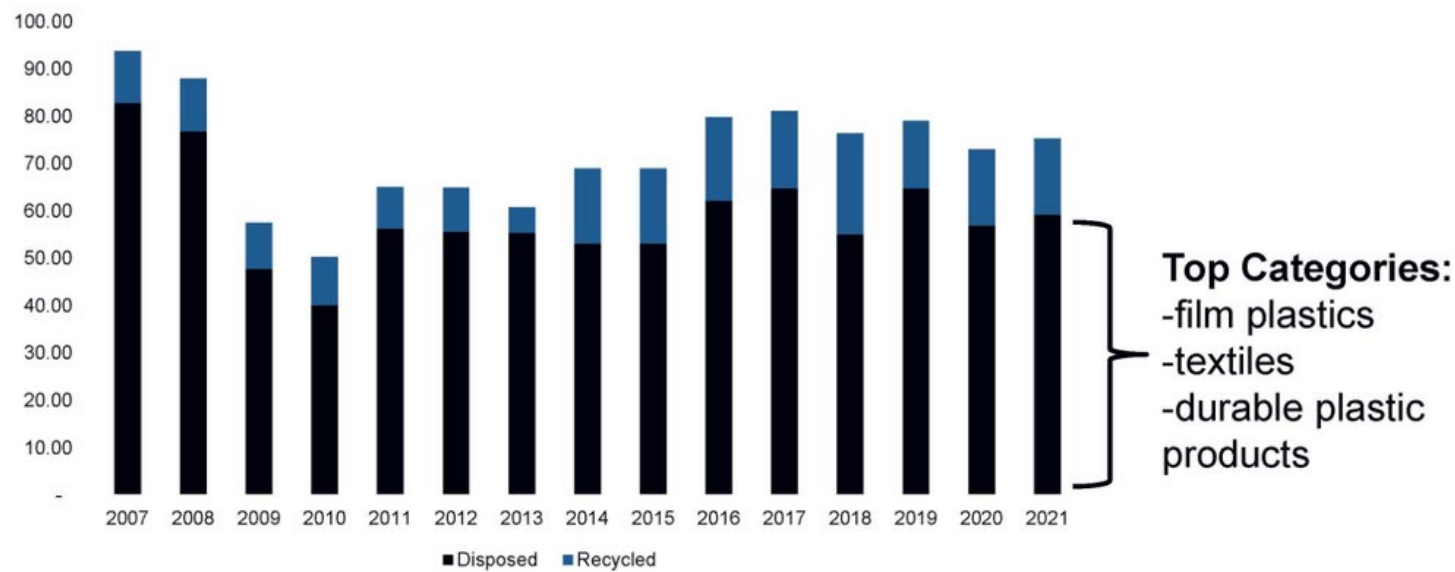
## END-MARKETS FOR PLASTIC PRODUCTS IN CANADA (KT, 2016)



Source: ECCC Economic Study of the Canadian Plastics Industry, Markets and Waste

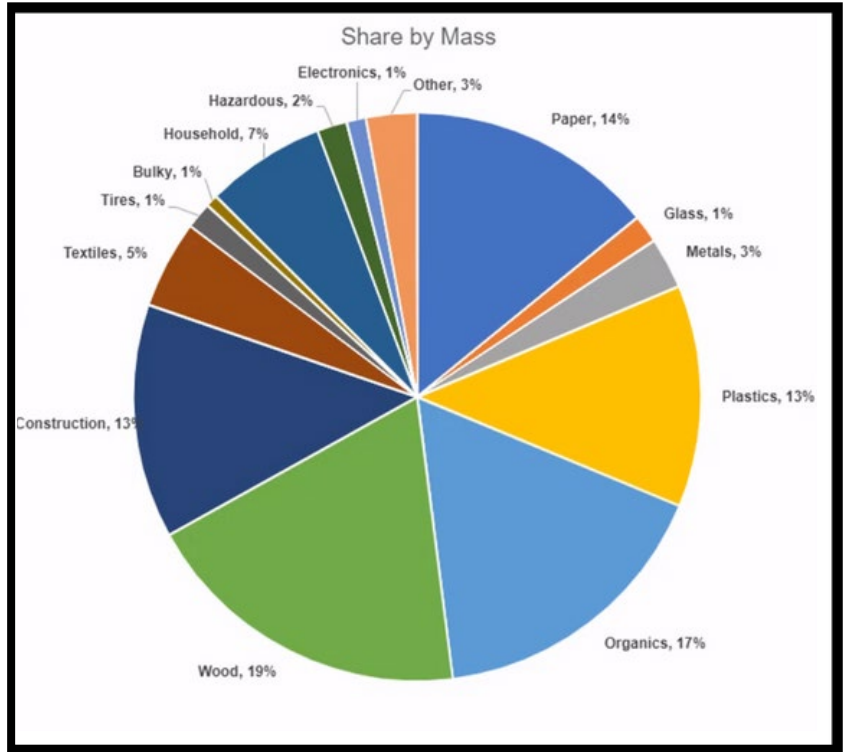
## PLASTICS RECYCLED AND DISPOSED

Kg per person in the Metro Vancouver Region

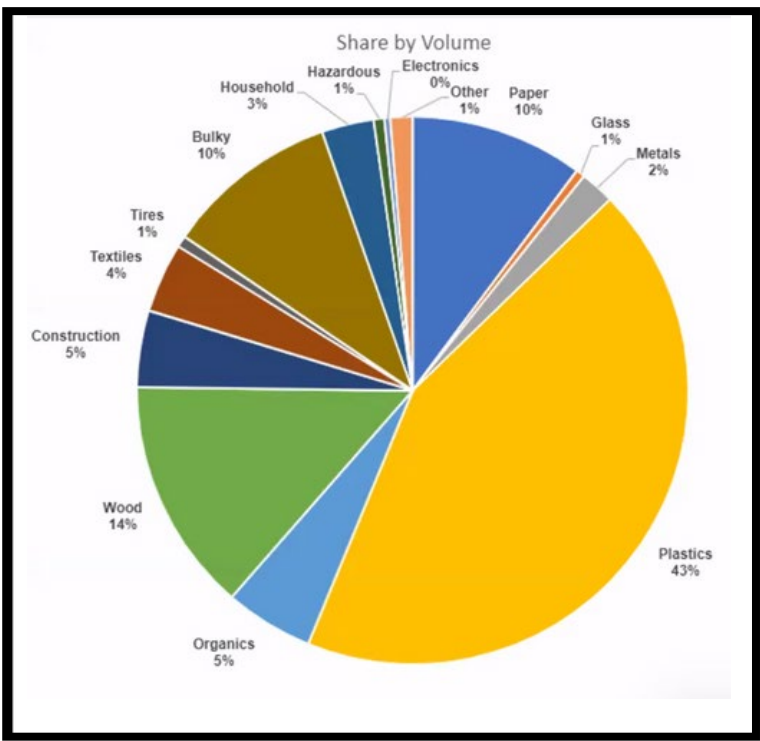


# Plastics take up space

## Mass



## Volume



Hartland Landfill Waste Audit, Info




## Zero Waste Hierarchy



- Pursue Zero Waste
- Advocate
- Reduce
- Create & Support Sharing Networks
- Make Reuse, Maintain and Repair the Norm
- Support Reusables in Food Services
- Tackle Textiles
- Education and Communication



# Enhance Accountability

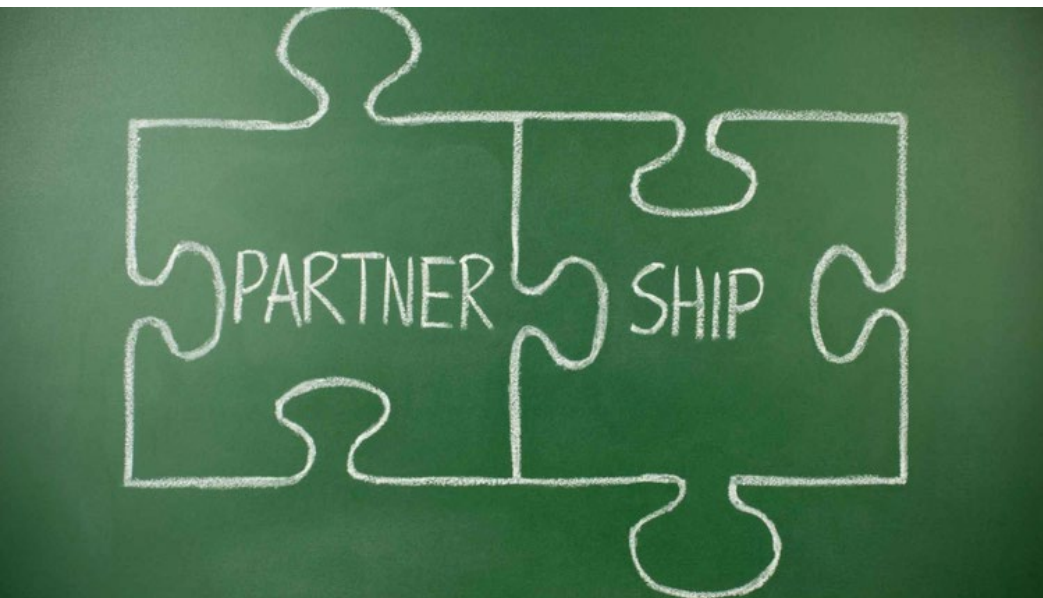
- Improve EPR 
- Business Accountability
- Hauler Accountability
- System Accountability







# Leverage Knowledge and Expertise...Collaboration



- Educate on impacts
- Model policies
- Build support
- Workshop solutions
- Partnerships including with First Nations
- Ongoing PTAC



# Recycling & Organics



Recycling at an event

- Mandate streams -source separation -MF, ICI, CRD, streetscape
- Support BC system for ICI PPP inc EPR
- Collection for residential film plastics (+ glass)
- Tools and support for ICI settings





# Inclusion

- SUI reduction -education for small ethnocultural businesses and suppliers
- Campaigns in key languages
- Collaboration with diverse communities (meet where they are)





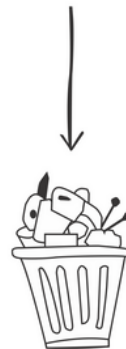


# Infrastructure and systems

- Local circularity of resins
- Reuse of large items (pickup)
- Litter clean ups/brand audits
- Facility to process auto shredder fluff
- Close the incinerator and focus on waste prevention
  - Use land for C&D +R reuse
  - Enact a policy to prevent use of destructive thermal waste management



Linear Economy



Recycling Economy



Circular Economy





# Goals in Canada

- Federal -Zero Plastic Waste by 2030
- Provincial -EPR for textiles, carpet, all PPP, autos (CCME 2009)
- Canada Plastics Pact
  - 100% of plastic packaging being designed to be reusable, recyclable or compostable by 2025
  - 50% recycled/composted by 2050
  - 30% recycled content by 2025

- Global Plastics Treaty
- EU
  - 5% less packaging by 2030, 10% by 2035, 15% by 2040
  - reduce empty space in pkg -max 50% space
  - banning pkg for fresh fruit/veg and beverages in cafes/restaurant by 2030
  - banning individual portion condiments and toiletries plus light plastic bags by 2030
  - reuse targets for certain beverages -10% must be in reusables, customers can bring their own containers by 2030;
  - all pkg recyclable by 2030, min recycled content for plastic pkg, min recycling targets by wt; by 2029 90% single use beverage containers must be collected separately





# Helpful Resources

- Federal goals -Government of Canada's plan to achieve zero plastic waste by 2030.  
<https://www.canada.ca/en/environment-climate-change/news/2020/10/canada-one-step-closer-to-zero-plastic-waste-by-2030.html>
- European union goals -<https://www.europarl.europa.eu/news/en/press-room/20240419IPR20589/new-eu-rules-to-reduce-reuse-and-recycle-packaging>
- Canada Plastics Pact /EMF Goals: <https://plasticspact.ca/the-solutions/>
- Unnecessary or Problematic Materials [https://plasticspact.ca/wp-content/uploads/2024/04/CPF\\_UnnecessaryProblematic\\_GuidanceDoc.pdf](https://plasticspact.ca/wp-content/uploads/2024/04/CPF_UnnecessaryProblematic_GuidanceDoc.pdf)
- Zero Waste Hierarchy <https://www.zerowastebc.ca/wp-content/uploads/2022/09/ZWIA-Zero-Waste-Hierarchy-8.0-final.pdf>
- UN EP Plastic Report -<https://www.unep.org/plastic-pollution>

## References

- CCME (2009). Canada-wide Action Plan for EPR [https://ccme.ca/en/res/cap-epr\\_e.pdf](https://ccme.ca/en/res/cap-epr_e.pdf)
- ECCC Economic Study of the Canadian Plastic Industry, Markets and Waste  
[https://publications.gc.ca/collections/collection\\_2019/eccc/En4-366-1-2019-eng.pdf](https://publications.gc.ca/collections/collection_2019/eccc/En4-366-1-2019-eng.pdf)

# Summary: Focus on Prevention

Prevention

## THE ZERO WASTE HIERARCHY





# Metro Vancouver PTAC Food Waste & Organic Working Group

2024-11-21

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## PTAC members involved



Ben  
Liegey  
(Chair)



Doug  
Schell



John  
Doherty



Louise  
Schwartz



Sue  
Maxwell



William  
Selten

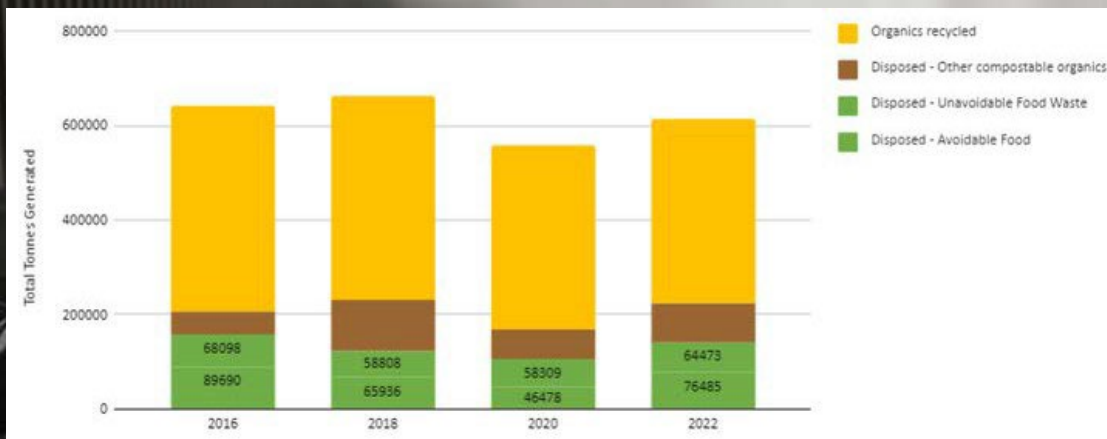
## 6 meetings conducted

- May 13
- June 10
- July 9
- Aug 12
- Sept 13
- Oct 21

Metro Vancouver staff provided administrative support and data/information where requested



# 533,000 tonnes of Food & Yard Waste / year (2022)





# Food Waste & Organic Waste Data

## **Track & report food waste generated per capita vs. 2016 baseline**

- Track SDG 12.3 year over year (2030 target: -50% food waste / capita)
- **2016 baseline = 158 kg food waste per capita**

## **Improve quantification for food waste recycled**

- Estimated that 50% Food Waste + 50% Yard Waste
- In the Food Waste part: split residential vs. commercial unknown

## **Improve reporting /accountability**

- Vancouver Food Policy Council's Food Waste Reporting motion (2022)
- Haulers should be required to report data to Metro Vancouver
- Data isn't perfect but exists so let's share it and be transparent



# Food Waste & Organic Waste Data

	2016	2018	2020	2021	2022	2023	2030 Target
<b>DISPOSED</b>							
Commercial and Residential Total Waste Disposed [tonnes]	830,461	891,205	845,056	863,306	883,197	906,568	
Food Waste Composition (excluding other compostable organics)	21.4%	14.1%	12.4%	23.9%	17.4%	14.3%	
<b>A: Commercial and Residential Food Waste Disposed [tonnes]</b>	<b>177,872</b>	<b>125,399</b>	<b>104,986</b>	<b>206,368</b>	<b>153,996</b>	<b>129,384</b>	
A1: Residential Food Waste Disposed [tonnes]	113,490	69,436	67,886	108,795	94,081	97,837	
A2: Commercial Food Waste Disposed [tonnes]	64,382	55,963	37,100	97,573	59,915	31,547	
<b>RECYCLED</b>							
Food & Yard Recycled [tonnes] = B + C	434,821	429,690	389,732	401,890	392,044	N/A	
<b>B: Commercial and Residential Food Waste Recycled [tonnes]</b>	<b>217,411</b>	<b>214,845</b>	<b>194,866</b>	<b>200,945</b>	<b>196,022</b>	<b>N/A</b>	
B1: Residential Food Waste Recycled [tonnes]	N/A	N/A	N/A	N/A	N/A	N/A	
B2: Commercial Food Waste Recycled [tonnes]	N/A	N/A	N/A	N/A	N/A	N/A	
<b>C: Other Compostable Organics Recycled [tonnes]</b>	<b>217,411</b>	<b>214,845</b>	<b>194,866</b>	<b>200,945</b>	<b>196,022</b>	<b>N/A</b>	
<b>SDG 12.3</b>							
<b>Total Food Waste Generated [tonnes] = A + B</b>	<b>395,283</b>	<b>340,244</b>	<b>299,852</b>	<b>407,313</b>	<b>350,018</b>	<b>N/A</b>	
P: Population	2,497,052	2,550,047	2,725,392	2,766,953	2,807,469	2,854,375	
Food Waste generated per capita (kg per capita)	158	133	110	147	125	N/A	79
Progress towards SDG 12.3	0%	-19%	-44%	-8%	-27%	N/A	-50%







# Food Waste & Organic Waste Data



SDG 12 HUB



Americas



Food waste (Tonnes)

Food waste per capita (KG)

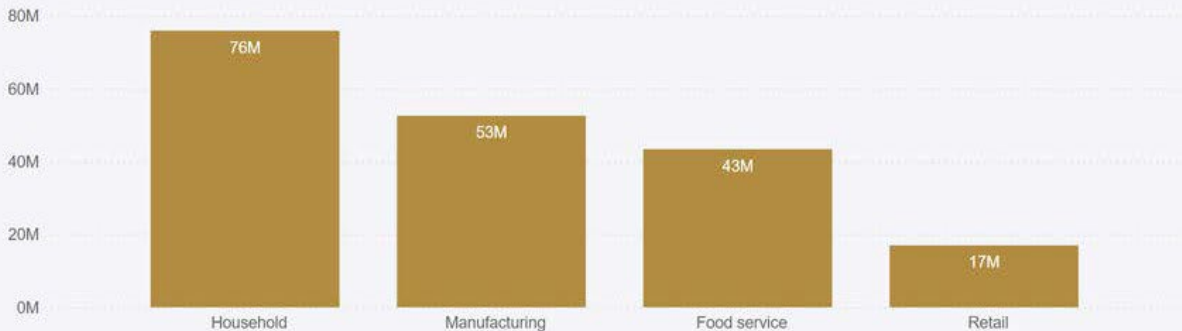
189.01M

Food waste (tonnes)

186.48

Food waste per capita (KG)

● Food waste (Tonnes)



# Waste Hierarchy & Brainstorming



## PREVENTION



## RESCUE



## RECYCLING

## UNACCEPTABLE

### PREVENTION POLICY

- Don't let food go to waste in the first place. If you're not sure if it's safe to eat, don't eat it. If you're not sure if it's safe to give away, don't give it away.
- Don't let food go to waste in the first place. If you're not sure if it's safe to eat, don't eat it. If you're not sure if it's safe to give away, don't give it away.
- Encourage marketing and food waste prevention techniques.

### PARTNERSHIPS

- Partner with local businesses to reduce food waste.
- Partner with local businesses to reduce food waste.
- Partner with local businesses to reduce food waste.

- Clarify food rescue options for your stage of the food supply chain.
- Develop systems to support food saving/sharing food recovery.
- Share success of the network of food rescue organizations.

### ACCOUNTABILITY

- Report publicly food waste data.
- Report publicly food waste data.
- Report publicly food waste data.

### FUNDING / INCENTIVES

- Provide incentives for food waste reduction.
- Provide incentives for food waste reduction.
- Provide incentives for food waste reduction.

### FOOD SERVICE

- Reduce food waste and food loss.
- Reduce food waste and food loss.
- Reduce food waste and food loss.

### FAMILIES

- Reduce food waste and food loss.
- Reduce food waste and food loss.
- Reduce food waste and food loss.

### RETAIL

- Reduce food waste and food loss.
- Reduce food waste and food loss.
- Reduce food waste and food loss.

### ORGANICS (NON FOOD)

- Reduce food waste and food loss.
- Reduce food waste and food loss.
- Reduce food waste and food loss.

### COMPOSTABLE PLASTICS

- Reduce food waste and food loss.
- Reduce food waste and food loss.
- Reduce food waste and food loss.

### RECYCLING

- Set realistic recycling targets.
- Clarify technology preferred by MV.
- Mandate use of clear bags (garbage).

### COMPOSTING (ICI)

- Provide resources for businesses to composting or organic waste.
- Provide resources for businesses to composting or organic waste.
- Provide resources for businesses to composting or organic waste.

### COMPOSTING PROCESS

- Keep organic waste processing local.
- Keep organic waste processing local.
- Keep organic waste processing local.

### COMPOSTING (FAMILIES)

- Provide resources for families to composting or organic waste.
- Provide resources for families to composting or organic waste.
- Provide resources for families to composting or organic waste.

### WOOD WASTE

- Reduce food waste and food loss.
- Reduce food waste and food loss.
- Reduce food waste and food loss.

### BIOMATERIAL/PROCESSING

- Support cooking oil collection systems.
- Support fuel made from cooking oil.
- Support the development of food waste into fuel and other products.

### BIOGAS

- Support the development of food waste into fuel and other products.
- Support the development of food waste into fuel and other products.
- Support the development of food waste into fuel and other products.

### ANIMAL FEED

- Support the development of food waste into fuel and other products.
- Support the development of food waste into fuel and other products.
- Support the development of food waste into fuel and other products.

- Don't let food go to waste in the first place. If you're not sure if it's safe to eat, don't eat it. If you're not sure if it's safe to give away, don't give it away.
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- Don't let food go to waste in the first place. If you're not sure if it's safe to eat, don't eat it. If you're not sure if it's safe to give away, don't give it away.

**Make food waste prevention a big priority for the new plan**

**Continue and expand education to family housing**

- Amplify Love Food Hate Waste campaign

**Work across sectors and levels of governments to improve policies**

- Align with:
  - Waste prevention policies (National Zero Waste Council)
  - Food policies (e.g. Regional Planning's work on Food Systems)
  - Climate policies (e.g. Climate 2050 to include food waste)



# Prevention of commercial food waste

## **Explore tactics to target food waste at source for businesses**

- 66% of food waste happening in Vancouver from IC&I sectors
- Restaurants have reduced food waste less effectively than retailers
- Require waste reduction plan/food waste data to get business licence

## **Provide education, tools and support directly to food businesses**

- Easier as haulers have comingled loads from multiple sources
- Frame it as a business opportunity, focusing on positive outcomes
- Provide funding/incentives to track food waste with different solutions

## **Move to penalties after education**

- Penalties need to be high enough to change behavior



## Foster cross-department collaboration on food security

- Develop systems to support food sharing/recovery + share successes
- Ex: FoodMesh /Foodstash /Vancouver Food Runners

## Map out food recovery assets / food waste solutions per stage of the food supply chain



## Clarify what can be donated

- Ex: surplus food from buffets can be donated

### Solution Types:

All Solution Types ▾

☒ All Solution Types

☐ Prevention >

☐ Rescue >

☐ Recycling >

### Sectors:

All Sectors ▾

☒ All Sectors

☐ Farm

☐ Foodservice

☐ Manufacturing

☐ Residential

☐ Retail



# Recycling - food waste

**Make Organics curbside collection and drop off options available across the region for all residents (SF and MF) and ICI sectors**

- Have mandatory recycling composting and waste streams for ICI
- Have incentives to drive the organics materials into the compost stream

**Use clear bags to enforce bans more effectively**

- Some challenges such as privacy issues to consider
- Clear bags implemented successfully in other areas in Canada

**Discuss a pilot of Mixed Waste Processing as in the region of Peel**

- Higher diversion rate when processing food waste and recycling together?

**Process organics locally within the region, focusing on quality**

**Quantify recycling options: composted v.s. animal feed v.s. biogas**



# Recycling - compostable plastics

**Design agile policies** that can adapt to changing infrastructure and opportunities to innovate

- Temperature and moisture have the greatest impact
- The optimal conditions vary by material type

**Develop a supportive framework** for addressing the promise and problems with compostable items that incorporates harmonized education, labeling and messaging

**Recognize and catalyze the evolution of organics processing infrastructure** that supports the diversion of select, targeted compostable items.

# Unacceptable

## **Make it impossible to just choose garbage**

- Make it simpler with a package service with 3 bins

## **Use Avoidable vs. unavoidable with caution**

- Clarify definitions of what is unavoidable
- Both avoidable and unavoidable should be unacceptable in disposal

## **Accept the system is not perfect**

- Perfect separation will never be achieved
- Work to remove organics from garbage
  - Food Waste Disposed: 62% Residential / 38% Commercial
  - Food Waste Recycled: split unknown



# Carbon foodprint

## Food waste = 8-10% global GHG emissions

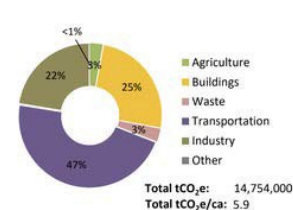
- Source: 2021 UNEP Food Waste Index Report
- 4 x the carbon footprint of the aviation industry



## Include indirect emissions

- Territorial emissions: 15MtCO<sub>2</sub>e
  - Food = 3%
- Consumption based emissions: 23 MtCO<sub>2</sub>e
  - Food = 19%

Territorial Emissions Inventory



Consumption-based Emissions Inventory

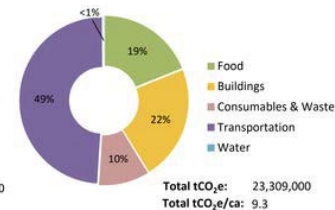


Figure 1: Comparison of the Metro Vancouver Regional Territorial GHG Emissions<sup>3</sup> (left) and Consumption-based GHG Emissions (right), 2015

## Require carbon footprint reporting

- For businesses of a certain size



# 5 Goals and associated Key Metrics

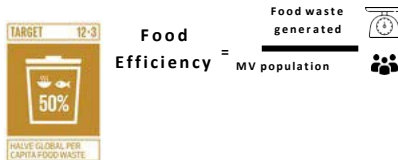
## #1: Reduce food waste

**Food Efficiency** (kg food /capita)

**Progress towards SDG 12.3** (%)

**Cost of wasted food** (\$ /capita)

**Carbon footprint of wasted food** (tonnes CO2e /capita)



## #3: No organics in garbage

Like in Squamish

## #2: Reduce total organics

**Yard Efficiency** (kg yard /capita)

**Total Organics Recycled** (tonnes)

**Total Organics Disposed** (tonnes)

## #4: Improved food security

**Meals donated**

## #5: High quality of finished compost

**Contamination Rate** (%)



# Food Waste Policies around the world

## Benchmark with international jurisdictions

>> Extend the scope of the Performance Metrics Study by Stantec

### AUSTRALIA



[July 2024: National Food Donation Tax Incentive](#)

### CHINA



[April 2021: Anti-food Waste Law](#)

Restaurants must educate consumers, offer portion options, and discourage excessive ordering.



#### Major Developments and Trends Since September 2023 | Champions 12.3

Major Developments and Trends Since September 2023 Governments. Governmental action is key to successful efforts to reduce food loss and waste. Policies put in place by governments can either help or hinder....

 [champions123.org](https://champions123.org)





# Helpful Resources

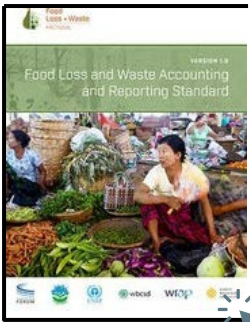
**2015:** United Nations  
SDGs (Sustainable  
Development Goals)



BetterTable™  
Academy



**2016:** First ever  
Food Loss & Waste  
Reporting Standard



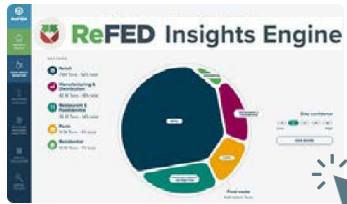
Food Synergy  
Movie



**2016:** Vancouverites  
required to sort  
organic waste



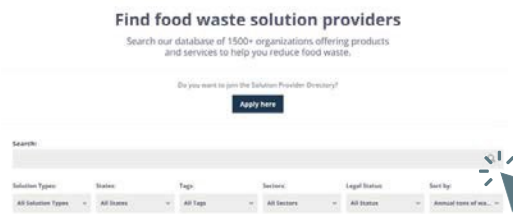
ReFED InsightsEngine



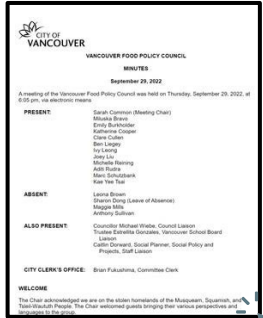
**2019:** First ever  
Food Policy  
in Canada



ReFED's Find food waste solution providers



**2022:** Food Waste  
Motion urging to  
report food wastedata







A series of white, overlapping geometric lines forming various polygons and triangles in the upper left quadrant of the slide.

# C&D WASTE/ BUILDING CIRCULARITY WORKING GROUP

The presentation represents the range of diverse perspectives within the working group members. As a result, there are some points presented that do not have consensus among all members.

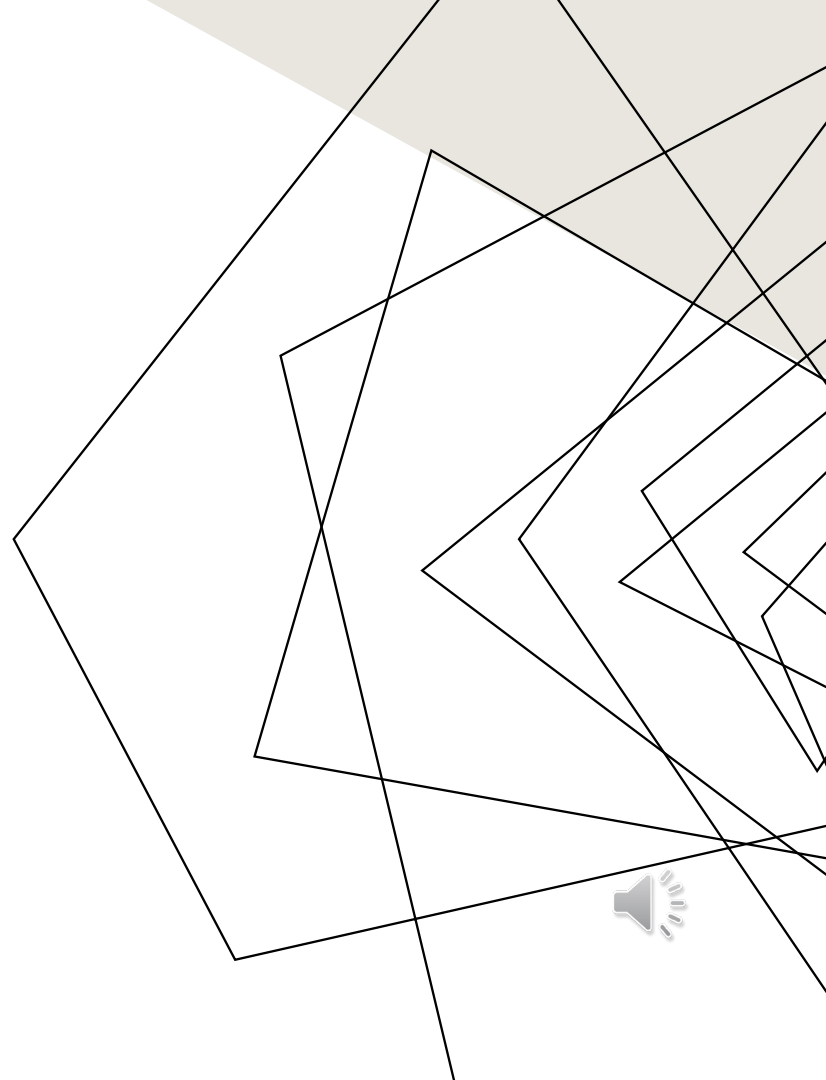
Sue Maxwell  
Christian Dietrich  
John Doherty  
Bill Chan  
Grant Hankins  
Brenda Martens

## 4 AREA OF FOCUS

- Adoption of Zero Waste Hierarchy
- Accountability and Oversight
- Facilitating Markets for Diverted Materials
- Managing Waste Volumes and Surges

## 3 PRINCIPLES

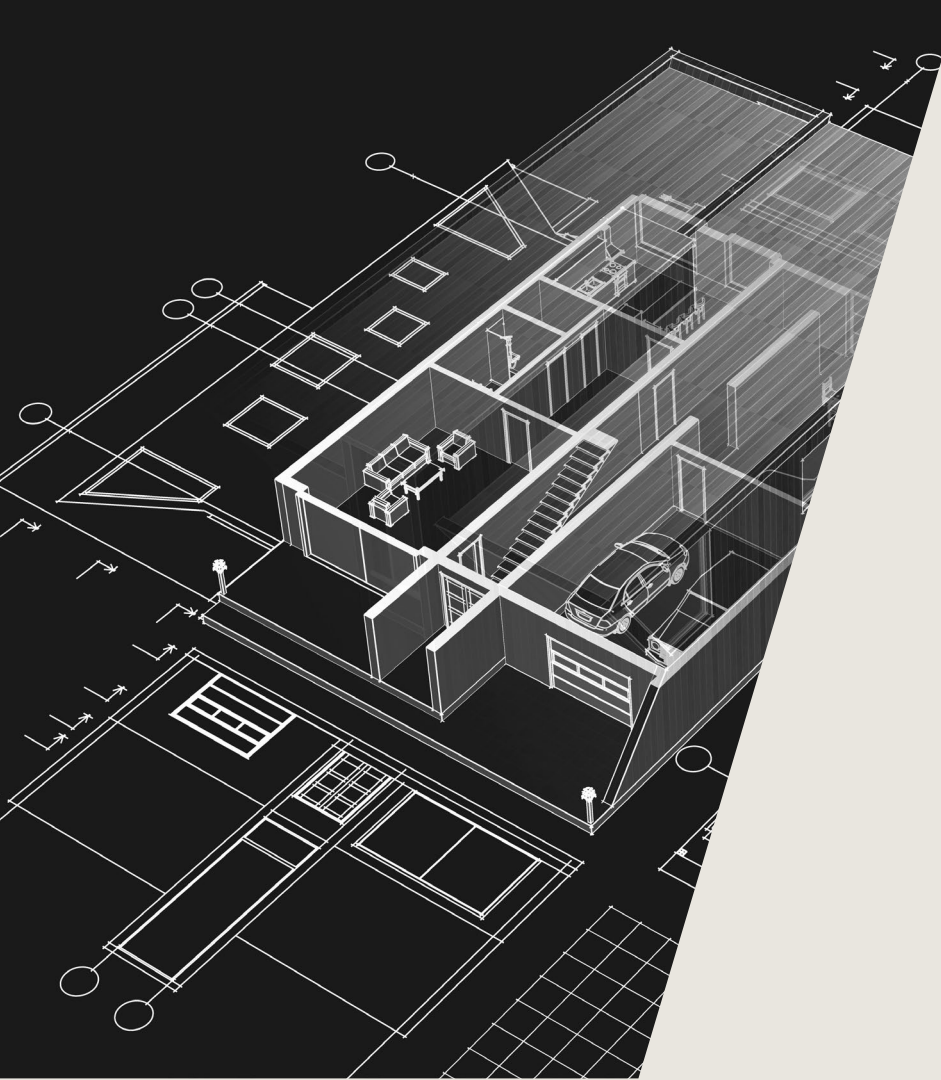
- Prioritize those recommendations that are highest on the ZW Hierarchy
- Avoid locking in to linear strategies
- Adopt strategies in whatever capacity possible (regulate, advocate, influence)







# ADOPTION OF ZERO WASTE HIERARCHY



# REDESIGN



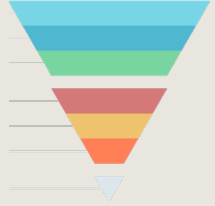
- Embed Zero Waste Hierarchy and Building ZW hierarchy in Metro Vancouver's procurement and policies
- Review policies and publications to revise language that assumes waste generation. For example, “building removal” not “demolition”
- Push for building codes to consider disassembly, repair, flexibility of use, deconstruction, and embodied carbon
- Support capacity building and education in the industry





# REDUCE & REUSE

- Require Design for Disassembly/Adaptability (DfD/A), salvage reuse, and recycled content in Metro Vancouver's building and infrastructure procurement
- Produce and distribute specification templates for circular building procurement
- Encourage product design for modularity, reuse, and recycling according to pollution hierarchy



# RECYCLING AND MATERIAL RECOVERY



- Work with partners to develop a model for wood waste management
- Work with the province and other partners to establish Extended Producer Responsibility (EPR) for C&D materials
- Phase out incineration of C&D materials and focus on material recovery

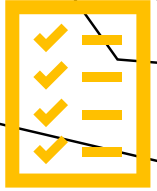




# ACCOUNTABILITY AND OVERSIGHT



## TRACKING AND LICENSING (CHAIN OF CUSTODY)



- Consult industry on licensing and regulating haulers, and Implement annual reporting by industry stakeholders, validated by third-party auditors
- Connect projects to haulers and receivers using platforms like Green Halo
- Create a common confidential database to measure reductions/increases through an independent industry platform





## ENFORCEMENT AND REGULATION

- Ensure enforcement of existing regulations
- Incentivize source separation
- Implement significant deterrents for projects, haulers, and receiving facilities that misreport their recycling/waste







# FACILITATING MARKETS FOR DIVERTED MATERIALS



## MARKET DEVELOPMENT

- Develop an industry registry of supply volumes, reported and validated annually
- Implement a virtual marketplace platform for businesses and asset management
- Streamline the regulation system to foster increased use of salvaged/diverted materials





## INFRASTRUCTURE AND LAND USE

- Set up systems to address costs of material storage (using public land or providing support)
- Open land uses to recycling and facilitate land for receiving facility use with industrial rezoning and cost reductions
- Create an environment to increase processing capacity and business opportunities for C&D resources





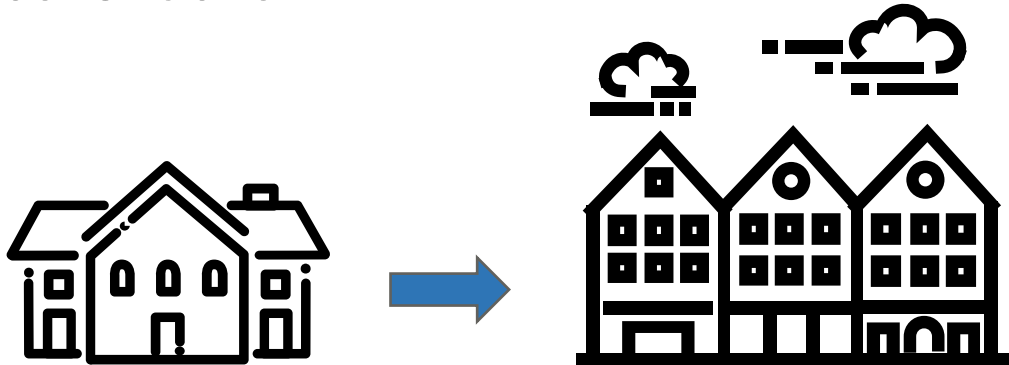
# MANAGING WASTE VOLUMES AND SURGES





# LAND USE CHANGES

- Promote renovation and retrofit options versus new builds
- Create a municipal template and toolkit for building removal bylaws that include house moving and deconstruction





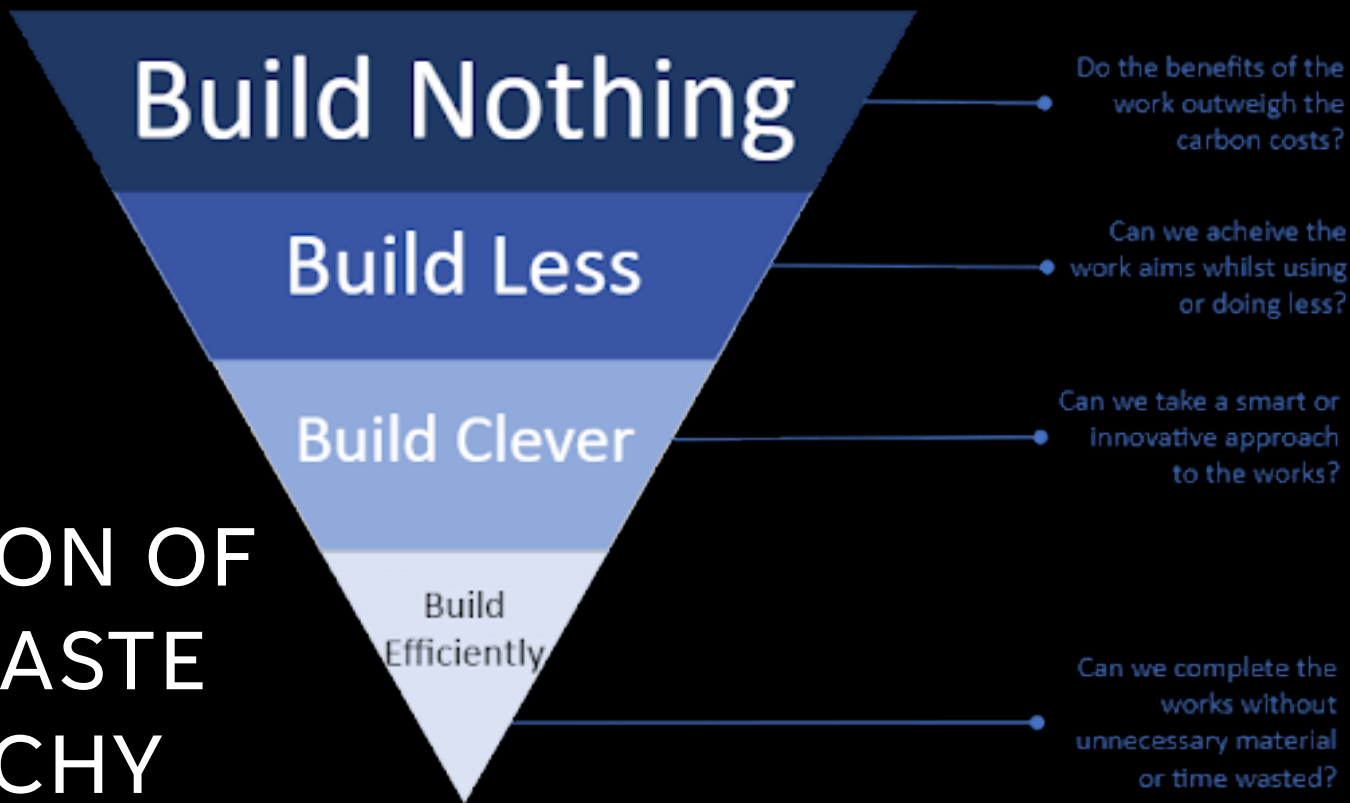


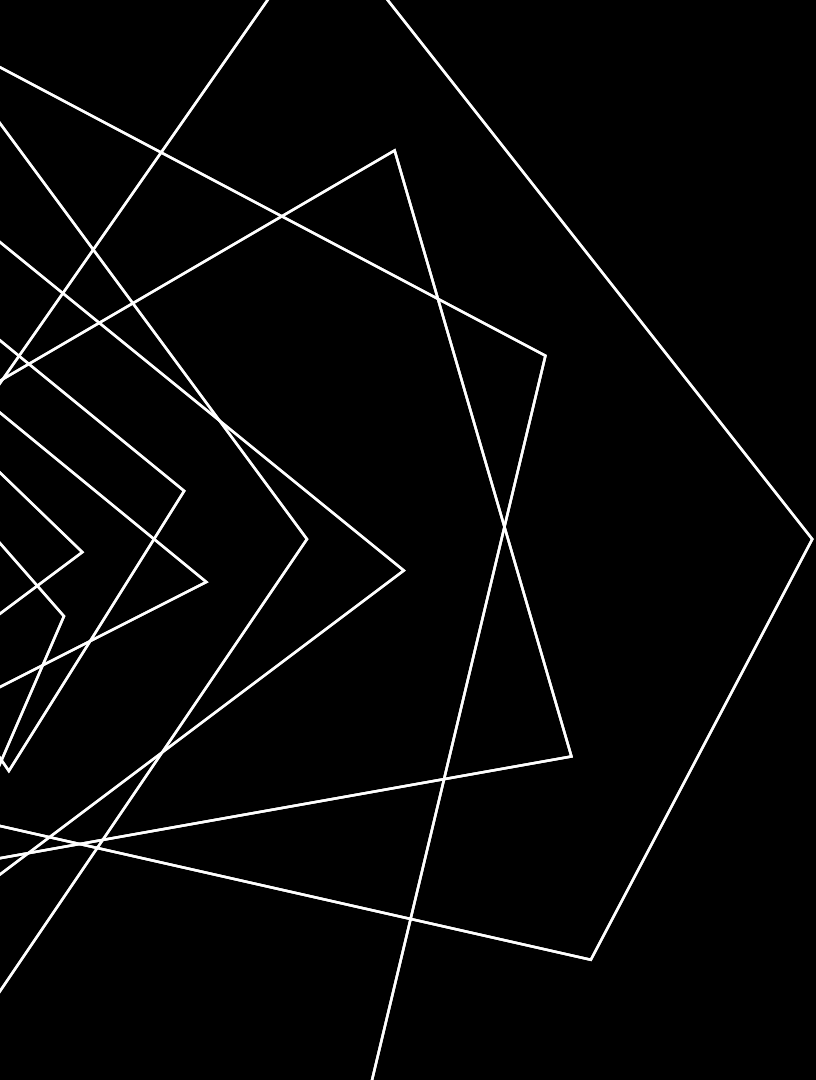
# DISASTER PREPAREDNESS & RESPONSE

- Incentivize disaster preparedness to preserve both life and property
- Work with organizations that make decisions during disasters to prioritize waste minimization
- Develop regional strategies for managing waste from natural disasters and land use changes



# ADOPTION OF ZERO WASTE HIERARCHY





THANK YOU



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# Break

View of Metro Vancouver



# PTAC Additional Discussion on Idea Generation

View of Metro Vancouver



## DISCUSSION ON IDEA GENERATION

- Small group table discussions
- Anything missing from the working groups presentations
- Choose one of the following to discuss at designated table
- 30 min to discuss and provide comments/ideas
- Report back to group with summary of discussion

# Discussion questions

As Metro Vancouver updates the plan, **what ideas and actions can build on our success to:**

Expand inclusive services and programs

Promote confidence in recycling systems

Leverage knowledge and expertise through collaboration

Anything else?

# Other Business

Vancouver Skyline

# PTAC POTENTIAL 2025 MEETING MONTHS

- Proposed meeting 5 times in 2025
- Keeping with the same time 3-5:30 pm day of week TBD
- Potential Months:
  - February
  - April
  - June
  - September
  - November
- Calendar invitations will be sent in January



# PTAC NEW COMMITTEE MEMBERS UPDATE

- Application period closed (Sept 27 2024)
- Applications reviewed by Staff and Consultation and Engagement Panel
- Recommended Committee Members will be brought to Zero Waste Committee and Board
- Additional members joining in new year

# Information Items







Vancouver Skyline

Thank you

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