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Welcome

Ironworkers Memorial Bridge



DRAFT ANNUAL WORK PLAN

2023

Workshop – Vision and Guiding Principles

Solid Waste Management Annual Report

Regional Solid Waste Assessment Study

2022 Waste Composition Program Results

2022 Disposal Ban Program Update

Performance Metrics Study

Solid Waste Management Plan Vision and Guiding Principles Report-Back

Circular Economy / 3Rs Study

Solid Waste Management Plan update – Planning for Idea Generation phase of engagement

2023 MEETINGS

- April 28 – Workshop
- June 1 – Online
- September 7 – In-person
- November 16 – Online

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Vision and Guiding Principles Workshop

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SOLID WASTE MANAGEMENT PLAN UPDATE



WORKSHOP AGENDA

Introductory Remarks and Review Discussion Questions

Solid Waste Story Video

Solid Waste Background & Initiatives Presentation

Group Exercise

BREAK

Vision and Guiding Principles Presentation

Discussion Questions

Next Steps and Closing Remarks

This event will be photographed by a professional photographer

Your image may be used for the purpose of future use in Metro Vancouver publications, presentations, or social media. If you do not consent to have your image used for these purposes, please notify staff.

DISCUSSION QUESTIONS

Q1: What waste reduction, recycling and garbage disposal topics are most important, now and into the future?



Q3: The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?



Q2: List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.



Q4: Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

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Solid waste story video

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United Boulevard Recycling and Waste Centre

Solid Waste Background and Initiatives

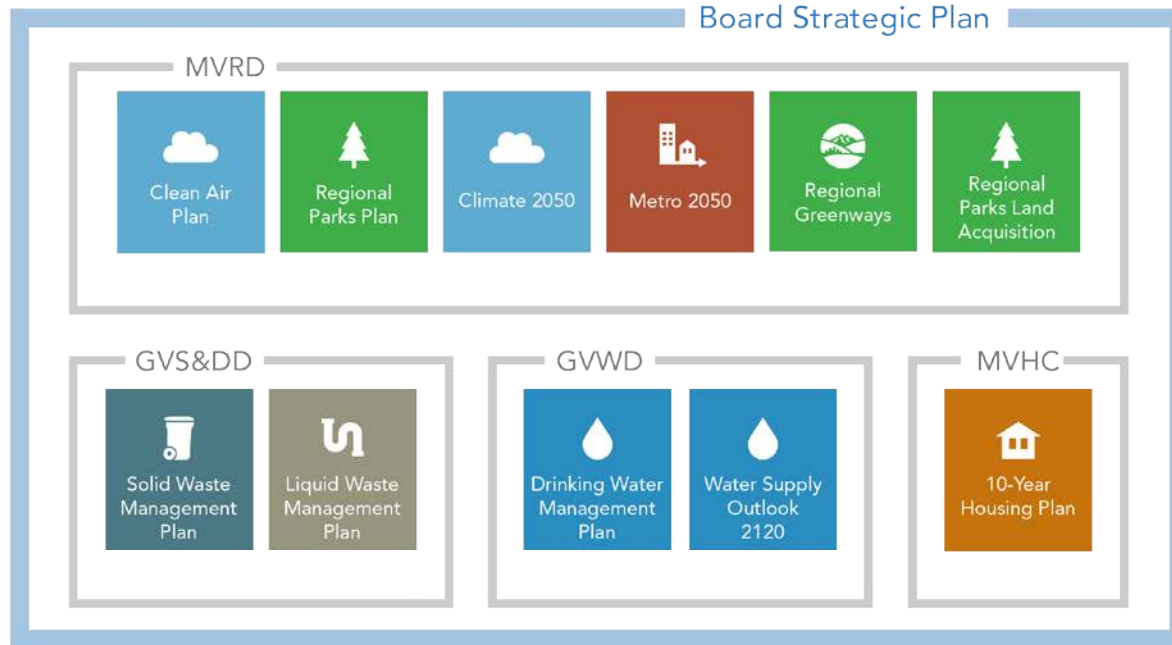
Paul Henderson, P.Eng

General Manager, Solid Waste Services

Public/Technical Advisory Committee, April 28, 2023

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MANAGEMENT PLANS



GUIDING POLICY & TARGETS

2011 Solid Waste Management Plan



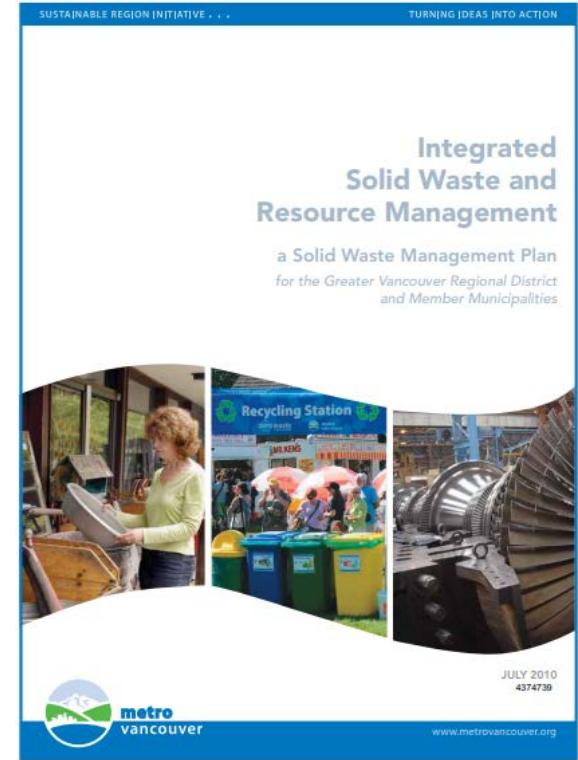
**10% Reduction Waste Generation
(Achieved 11%)**

Generation = Recycled + Disposed



**80% Recycling Rate
(Achieved 65%)**

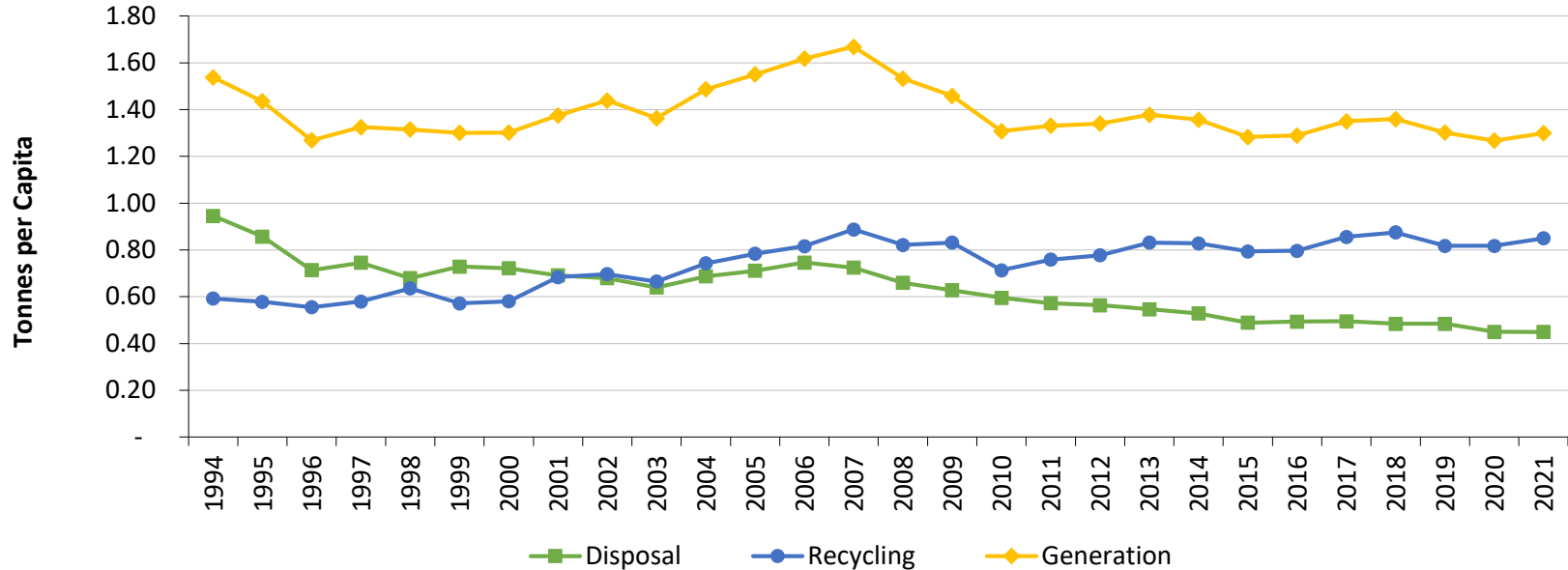
Recycling Rate = Recycled / Generated



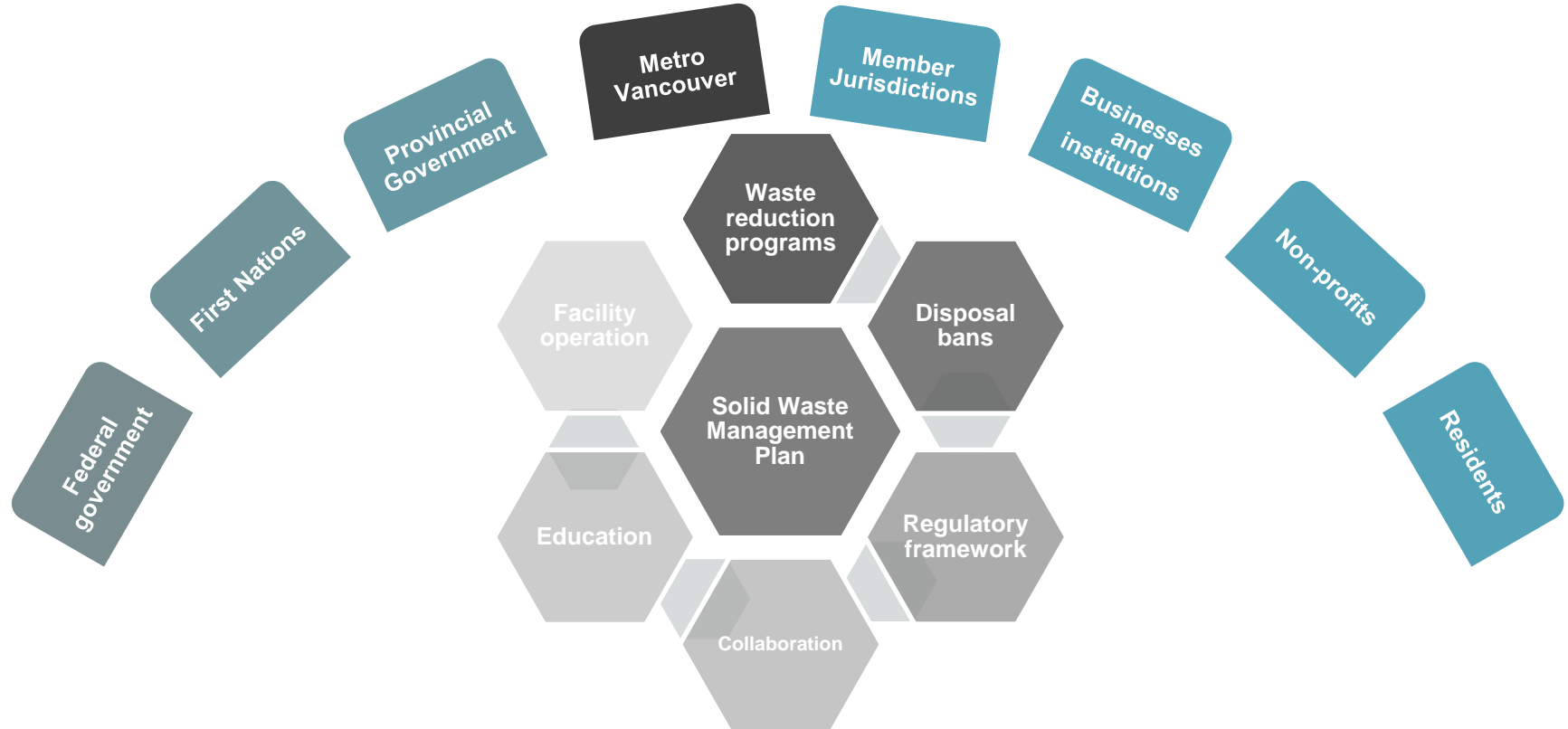
GENERATION & RECYCLING OVER TIME

From all sectors

TOTAL WASTE GENERATION, DISPOSAL AND RECYCLING RATES PER CAPITA



INTEGRATED SOLID WASTE SYSTEM

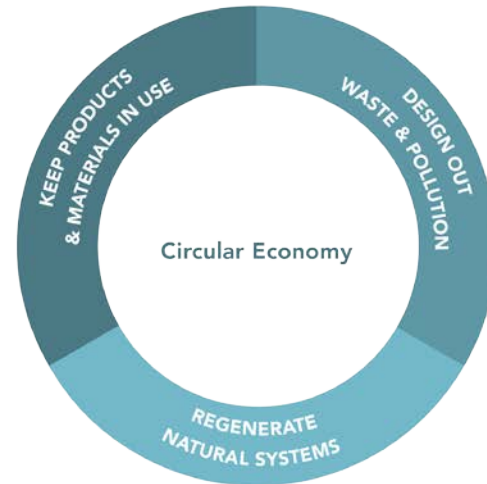


ZERO WASTE & CIRCULAR ECONOMY

THE WASTE HIERARCHY



THE 3 PRINCIPLES OF THE CIRCULAR ECONOMY



Bringing together organizations to advance waste prevention and the circular economy in Canada

NATIONAL ZERO WASTE COUNCIL

180 + members representing . . .

- Provincial & local governments (& their agencies)
- Multinational businesses to small Canadian enterprises
- Industry and trade associations
- NGOs & community organizations

WASTE REDUCTION CAMPAIGNS

- Reduce single-use items
- Increase food scraps recycling
- Reduce textile waste
- Reduce holiday waste



Regional Solid Waste Facilities



UNITED BOULEVARD AND CENTRAL SURREY RECYCLING AND WASTE CENTRES



United Boulevard Recycling and Waste Centre
995 United Boulevard – Opened March 2022



Central Surrey Recycling and Waste Centre
6711 – 154 Street – Opened September 2022

RECYCLING DEPOT DEVELOPMENT

Goal to have consistent recycling options at all recycling and waste centres

Developing recycling depots at Langley and North Surrey recycling and waste centres



ENVIRONMENTALLY RESPONSIBLE WASTE DISPOSAL

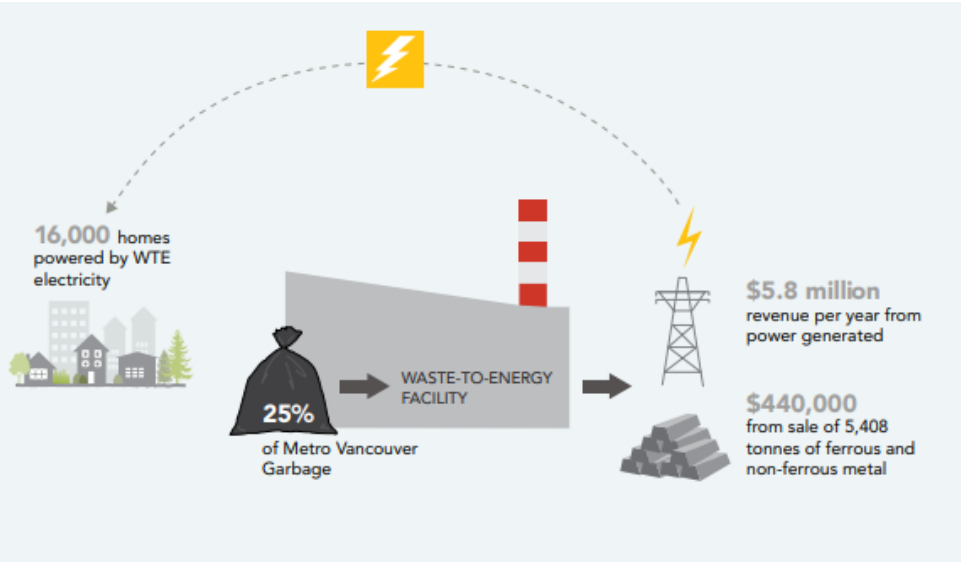
Waste-to-Energy Facility

Vancouver Landfill

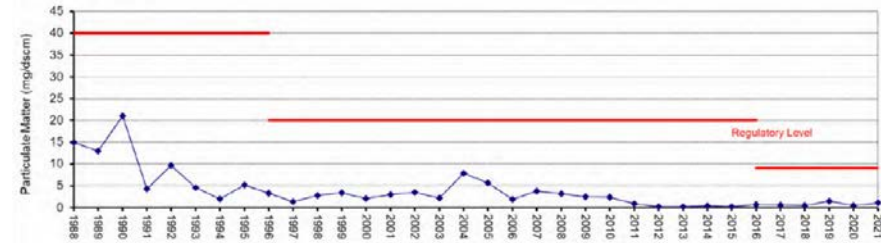
Contingency disposal



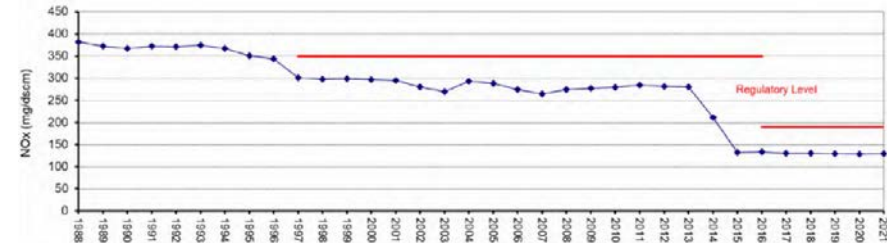
WASTE-TO-ENERGY FACILITY



Particulate Matter



Nitrogen Oxides



WASTE-TO-ENERGY FACILITY DISTRICT ENERGY PROJECT



- No change in Waste-to-Energy Facility emissions or amount of waste processed
- Triples energy recovery
- Heat and hot water for up to 30,000 homes
- Up to 45,000 tonnes per year of GHG emission reductions
- Self-funded over life of project



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Questions?

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GROUP EXERCISE

Q1

What waste reduction, recycling and garbage disposal topics are most important, now and into the future?



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Break

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Circular economy

Solid Waste Management Plan Update

VISION AND GUIDING PRINCIPLES

Stephanie Liu

Senior Engagement Specialist, Solid Waste Services

Public/Technical Advisory Committee, April 28, 2023

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PLANNING INPUTS



SOLID WASTE MANAGEMENT PLAN UPDATE



VISION AND GUIDING PRINCIPLES ENGAGEMENT

Timeline



ENGAGEMENT FEEDBACK

First Nations

Member Jurisdictions

Waste/Recycling Industry

Businesses and Institutions

Non-Profits

Residents



Engagement will help guide updates to the solid waste management plan

WHAT IS A VISION STATEMENT?



“Where are we headed?”

“What do we want the future to look like?”

Describes the desired future in relation to the scope of the plan, or a shared understanding of the desired future state or success



Metro Vancouver has a vision to achieve what humanity aspires to on a global basis – the highest quality of life embracing cultural vitality, economic prosperity, social justice and compassion, all nurtured by a beautiful and healthy natural environment.”

“Building a sustainable, livable region is the overarching regional vision.”

- Integrated Solid Waste and Resource Management Plan, 2011

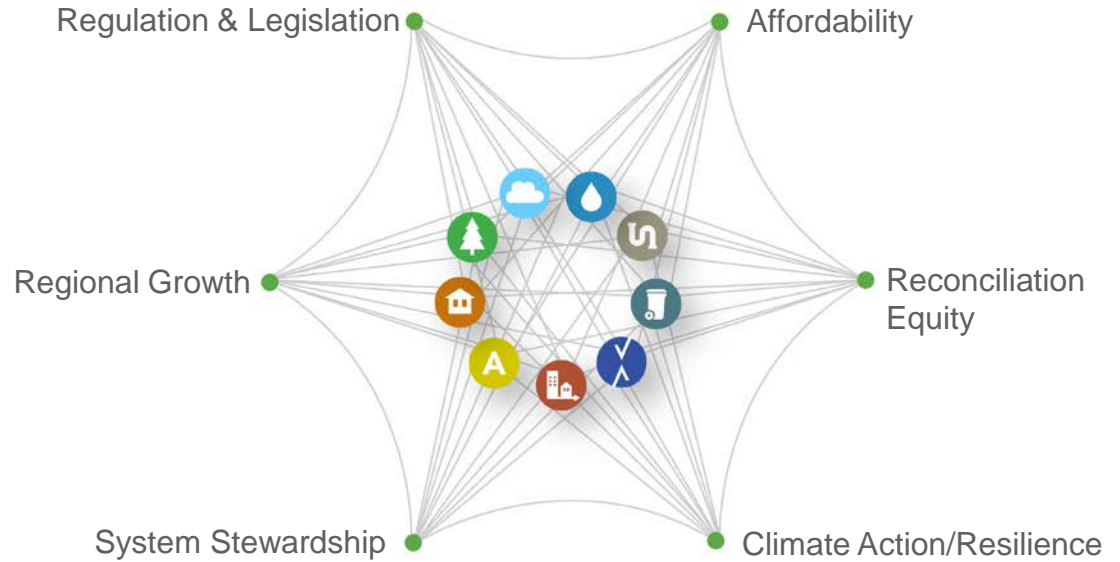
WHAT ARE GUIDING PRINCIPLES?

Outlines the values that guide decision-making and determine how the work is approached.

Describes the fundamental values that guide plan development and implementation and can be used to help evaluate goals, strategies, and/or actions.

“What do we need to consider as we develop the plan?”

Metro Vancouver Board Cross- cutting Themes



THEMES FROM OTHER LEADING JURISDICTIONS



Social, Environmental
and Economic
Sustainability

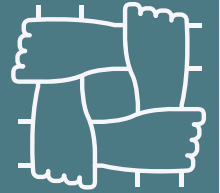


Recovery and
Reuse

Waste Reduction



Collaboration at all
Levels



Waste Management
Hierarchy



Social Justice,
Equity and
Accessibility



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Questions?

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DISCUSSION

Q2

List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.



Iona Island Wastewater Treatment Plant



Arbutus Greenway, Vancouver



Waste Control Services Garbage Truck

DISCUSSION

Q3

The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?



Capilano Lake, North Vancouver

DISCUSSION

Q4

Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?



The Shipyards, North Vancouver

NEXT STEPS

- Report back to Zero Waste Committee after meetings/workshops with First Nations, advisory committees, and member jurisdiction staff
- Launch public engagement
- Vision and guiding principles engagement report
- Provide draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration



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Thank you

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