



**SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE**

Regular Meeting

September, 7 2023

3:00 pm – 5:30 pm

In-person meeting

UBC Robson Square – Room C440
800 Robson Street, Vancouver, BC

A G E N D A

ITEMS
1. WELCOME
2. AGENDA
3. MEETING NOTES – June 1, 2023
4. ACTION/STANDING ITEMS 4.1 Action tracker 4.2 Incoming/outgoing communication
5. METRO VANCOUVER UPDATES AND INVITED PRESENTATIONS
5.1 Performance Metrics Review - Discussion Speaker: Terry Fulton, Metro Vancouver Veronica Bartlett, Morrison Hershfield
5.2 Binners' Project Speaker: Brianne De Man, Binners' Project
5.3 Reuse and Repair Initiatives Speaker: Karen Storry, Metro Vancouver
5.4 Assessment of Regional Solid Waste System Speaker: Allen Jensen, Metro Vancouver
6. OTHER BUSINESS
6.1 Zero Waste Committee Updates Speaker: Paul Henderson, Metro Vancouver



6.2 Discussion on Invited Topics and Presentations Speaker: Director Kirby-Yung, Chair
6.3 Collaborative Engagement Outreach Opportunity Speaker: Brooke Atkinson, Metro Vancouver
6.4 Metro Vancouver Solid Waste Services Department Name Speaker: Paul Henderson, Metro Vancouver
6.5 2023 Zero Waste Conference PTAC Member Attendance Speaker: Brooke Atkinson, Metro Vancouver
7. INFORMATION ITEMS
7.1 Regional Waste Flows 7.2 Public/Technical Advisory Committee 2023 Annual Work Plan

Attachment 1: Meeting notes – June 1 – Solid Waste Management Plan Public/Technical Advisory Committee

Attachment 2: Action Tracker

Attachment 3: Regional Waste Flows

Attachment 4: PTAC 2023 Annual Work Plan

**SOLID WASTE MANAGEMENT PLAN
PUBLIC/TECHNICAL ADVISORY COMMITTEE**

Wednesday, June 1, 2023

Zoom Meeting

3:00 pm – 5:30 pm

Meeting Notes

Attendees: Director Sarah Kirby-Yung, Chair; Alice Henry, Ben Liegey, Bill Chan, Brenda Martens, Brianne De Man, Christian Dietrich, Cody Irwin, Daniel Rotman, Doug Schell, Grant Hankins, Jake Turek, Jamie Kaminski, John Doherty, Kevin Huang, Louise Schwarz, Love-Ese Chile, Lyndsay Poaps, Michael Zarbl, Raman Johal, Sara Larter, Sue Maxwell, William Selten.

Absent: Director Craig Hodge, Vice-Chair; Hunter Bergen, Jaye-Jay Berggren, Jessica Savoy, Mary Polak, Matthew Morin, Tara Immell, Ulwiana Mehta-Malhotra, Yasmin Abraham.

Metro Vancouver Staff: Paul Henderson, Chris Allan, Chris Underwood, Jessica Yamamoto, Karen Storry, Mani Massah, Nanette van Doorne, Samantha Joy, Stephanie Liu, Terry Fulton, Zeenia Mizan.

1.	INTRODUCTIONS <ul style="list-style-type: none"> • Meeting started at 3:03 pm. 	Chair
	1.1 Welcome from the Chair 1.2 Committee members	Chair
2.	AGENDA <ul style="list-style-type: none"> • Reviewed the June 1, 2023 meeting agenda. 	Chair
3.	MEETING NOTES – April 28, 2023 <ul style="list-style-type: none"> • Reviewed the April 28, 2023 meeting notes. • Members discussed additional themes from the April 28th workshop that should be considered for inclusion in the Workshop Summary. 	Chair
4.	ACTION/STANDING ITEMS	Chair
	4.1 Action items from April 28 meeting <ul style="list-style-type: none"> • No updates from staff. 4.2 Incoming/outgoing communication <ul style="list-style-type: none"> • No new communication. 	

5.	METRO VANCOUVER UPDATES	
	<p>5.1 Vision and Guiding Principles Engagement Update</p> <ul style="list-style-type: none"> • Pre-engagement was completed in 2021 and we are now in the vision and guiding principles phase of engagement. • A series of workshops and meetings have been held with First Nations, member jurisdictions, and advisory committees. • Reviewed themes from the April 28, 2023 PTAC Workshop on vision and guiding principles. • The next step is an update to Zero Waste Committee on feedback received to date, and launch public engagement later this year. • PTAC members may submit additional feedback on solid waste management plan vision and guiding principles to zerowaste@metrovancover.org <p>Members discussed:</p> <ul style="list-style-type: none"> • Metro Vancouver will share the draft vision and guiding principles with PTAC prior to submitting to the Zero Waste Committee and Board for consideration. <p>Action Items:</p> <ul style="list-style-type: none"> • Metro Vancouver will send PTAC members information on the Collaborative Engagement opportunity 	Stephanie Liu, Metro Vancouver
	<p>5.2 Circular Economy and 3Rs Study</p> <ul style="list-style-type: none"> • The objective of this study is to identify local and global initiatives that will help spark circular economy ideas for the idea generation phase of the solid waste management plan update. • More detail from the study will be provided during the idea generation phase of engagement. • The model developed in this study includes an evaluation of over 70 initiatives, and some examples include FoodMesh, Unbuilders, FABCYCLE, Advanced Clothing Solutions, Votechnik and the Reparatur- und Service-Zentrum, which span various industries including food waste, deconstruction, textiles and electronics repair. • The evaluation criteria for these case studies include measurable indicators like greenhouse gas emission reductions, jobs and economic growth, waste disposal reduction, waste diversion potential, as well as qualitative indicators including social, resiliency, biodiversity and ecological health impacts. • There is opportunity to help us make further refinements to the evaluation criteria as we go through the engagement process and conduct a performance metrics study. • The next steps include refining the assumptions and data, preparing the case studies in a more user-friendly format, and working with the committee to identify potential “quick wins”. 	Karen Storry, Metro Vancouver

	<p>Members discussed:</p> <ul style="list-style-type: none"> • Support for emphasizing reuse and repair actions in the study, and for including greenhouse gas emissions and embodied carbon as evaluation criteria. • Funding for many initiatives in the study are from collaboration between private and public sectors. For example, in the case of the washer and dryer repair service, the European Union has established a Repair Bonus campaign which provides a discount on repair services. Members discussed potential future ideas including: <ul style="list-style-type: none"> ○ Pros and cons of different agencies and models implementing repair for product such as appliances. ○ Creating disincentives for companies that produce poor quality items with short lifespans. ○ Reusing or salvaging parts from appliances sent for recycling, providing employment and other benefits. <p>Action Items:</p> <ul style="list-style-type: none"> • PTAC members are welcome to send ideas for circular economy case studies to review to zerowaste@metrovancover.org 	
	<p>5.3 Performance Metrics Review</p> <ul style="list-style-type: none"> • The purpose of the Performance Metrics Review is to provide an understanding of potential metrics and targets that may be incorporated into an updated solid waste management plan. It will build on the metrics developed for the Circular Economy and 3Rs Study, consider new approaches to measure performance, and will take into account a broad range of interests including waste reduction and recycling, circular economy, emission reductions, economic benefits, and equity. • Metro Vancouver has retained Morrison Hershfield to help complete this study, and their tasks include reviewing Metro Vancouver’s existing solid waste performance metrics and targets, completing a jurisdictional review of a broad range of metrics and targets, and developing a list of potential performance metrics and targets to be considered for an updated solid waste management plan. <p>Action Items:</p> <ul style="list-style-type: none"> • A more detailed draft scope of work will be brought to PTAC at a later meeting for feedback. 	<p>Jessica Yamamoto and Terry Fulton, Metro Vancouver</p>
	<p>5.4 2022 Waste Composition Program Results</p> <ul style="list-style-type: none"> • The largest categories of waste are compostable organics, plastics, paper and non-compostable organics. The report also includes 171 subcategories across four sectors. • The data shows that the number of single use items per capita have increased in 2022, potentially due to recent trends like mobile ordering and 	<p>Terry Fulton, Metro Vancouver</p>

	<p>food delivery. However, retail bags and straws have decreased, potentially due to recent government actions and policies.</p> <ul style="list-style-type: none"> • Next steps include developing resources for businesses on reducing single-use items, supporting workplaces to implement reusable cup and container programs, working with non-profits to raise awareness of single-use item problems, and continuing to monitor our waste. <p>Members discussed:</p> <ul style="list-style-type: none"> • Clarification that the annual report does include total waste generation and recycling data. • Concerns that waste generated in construction projects are higher than what goes to regional facilities. Metro Vancouver responded that the construction and demolition waste data is obtained from licensed facilities reporting, and these facilities handle the majority of demolition materials. Demolition waste that is transported directly to facilities outside of the region will not be included in regional statistics. • Members commended the level of detail in the Waste Composition Studies but noted that the reports may be too technical for the average person. The Performance Metrics Review will further investigate increasing the transparency and accessibility of the data. • Ideas for future waste composition studies included: <ul style="list-style-type: none"> ○ Looking at items disposed that may be reused or repaired ○ Cross referencing study results and changes over time with waste reduction and recycling policies (e.g. organics disposal ban) • The data shows an increase in food packaging, and Metro Vancouver is planning to develop a sustainable food packaging guide for businesses. • Request to share supporting documentation like the Waste Composition Study in the agenda ahead of future PTAC meetings. <p>Action Items:</p> <ul style="list-style-type: none"> • Metro Vancouver report back on development of a sustainable take-out food packaging guide 	
6.	OTHER BUSINESS	
	<p>6.1 Zero Waste Committee Updates</p> <ul style="list-style-type: none"> • Paul Henderson provided an update on the agenda items from the May 23, 2023 Zero Waste Committee meeting, including: <ul style="list-style-type: none"> ○ Solid Waste Management Plan Independent Consultation and Engagement Panel, who can be introduced to the PTAC at a later date. ○ 2022 Waste Composition Data. ○ Extended Producer Responsibility in British Columbia ○ 2023 Food Scraps Recycling "Food Scraps Aren't Garbage" Results. 	<p>Paul Henderson, Metro Vancouver</p>

	<ul style="list-style-type: none"> ○ Manager’s Report, which included an update on the Bylaw Notice Authority for GVS&DD and GVWD, allowing for administrative penalties and ticketing ability. <p>Action Items:</p> <ul style="list-style-type: none"> ● Solid Waste Management Plan Independent Consultation and Engagement Panel will be invited to attend a future PTAC meeting 	
	<p>6.2 Invited Presentations at Future Meetings</p> <ul style="list-style-type: none"> ● Committee members are invited to provide presentation ideas from subject matter experts for future meetings. ● Members suggested the following potential presenters and topics: <ul style="list-style-type: none"> ○ Bidders’ Project programs. ○ Lighthouse investigation of waste composition leaving construction sites from the generation side. ○ Community based social marketing (potential speaker Professor Doug Mackenzie Mohr). ○ ReFED presentation on data and insights (potential speaker Dana Gunders). ○ Impacts and management of waste during natural disasters (potential speaker Cameron Baughen). ○ Zero Waste BC agenda, the provincial circular economy strategy and costs for various disposal options. ○ Latest technologies of backend sorting material recovery facilities. ○ Waste-to-Energy (potential speaker Mike Ewall). ○ Opportunities for recycling, particularly organics (markets, pick-up options, processing, separation from waste, end-use) <p>Action Items:</p> <ul style="list-style-type: none"> ● Members are welcome to provide additional ideas for invited presentations at future meetings, by emailing zerowaste@metrovancover.org 	<p>Chair</p>
	<p>6.3 Collaborative Engagement</p> <ul style="list-style-type: none"> ● Request for Information (RFI) to invite and provide funding (up to \$5,000 per organization) to non-profit organizations to engage their networks on a vision and guiding principles for an updated solid waste management plan. ● The goal is to hear from community members who otherwise may not be aware of opportunities to provide input to Metro Vancouver. <p>Action Items:</p> <ul style="list-style-type: none"> ● Metro Vancouver will send details on the process and eligibility to PTAC members. PTAC members are welcome to forward the information to organizations that may be eligible and interested. 	<p>Stephanie Liu, Metro Vancouver</p>

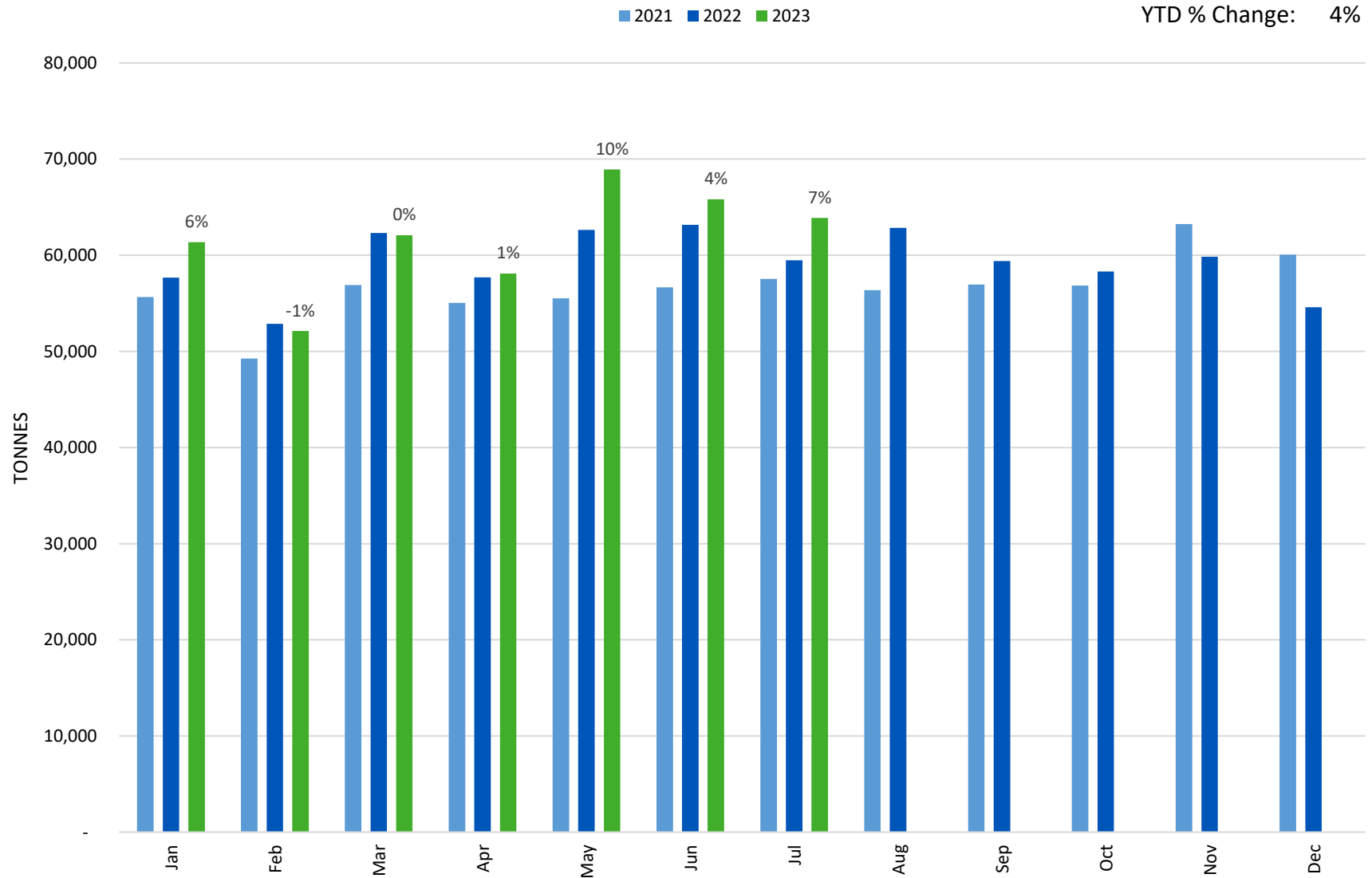
7.	ADJOURNMENT <ul style="list-style-type: none">• Meeting was adjourned at 4:36 pm.	Chair
8.	NEXT MEETING <ul style="list-style-type: none">• September 7, 2023 (in person, location TBD).	

2023 SOLID WASTE MANAGEMENT PLAN PUBLIC/TECHNICAL ADVISORY COMMITTEE ACTION TRACKER

To be updated after every Public/Technical Advisory Committee (PTAC) meeting to keep track of the actions or tasks that Metro Vancouver staff are responsible for.

Meeting Date	Requested Action/Item	Assigned Staff	Status
September 21, 2022	<ul style="list-style-type: none"> Investigate organizations/jurisdictions suggested for the solid waste management planning literature review 	Jessica	Complete
	<ul style="list-style-type: none"> Incorporate PTAC engagement preferences into vision and guiding principles phase 	Sandy	Complete
April 23, 2023	<ul style="list-style-type: none"> No new actions noted at meeting 	N/A	N/A
June 1, 2023	<ul style="list-style-type: none"> Send PTAC members information on Collaborative Engagement opportunity 	Stephanie / Terry	Complete
	<ul style="list-style-type: none"> Communicate opportunity for PTAC members to send ideas for circular economy case studies to review to zerowaste@metrovancover.org 	Staff	Complete
	<ul style="list-style-type: none"> Develop sustainable take-out food packaging guide 	Karen	Pending
	<ul style="list-style-type: none"> Schedule Engagement Panel to attend a future PTAC meeting 	Stephanie	Pending
	<ul style="list-style-type: none"> Communicate opportunity for PTAC members to provide ideas for invited presentations at future meetings 	Staff	Ongoing
	<ul style="list-style-type: none"> Bring draft Performance Metrics Study scope to a future PTAC meeting for feedback 	Terry / Jessica	In progress

Metro Vancouver Waste Quantities* 2021 - 2023**



**Data reconciled to Jun 2023

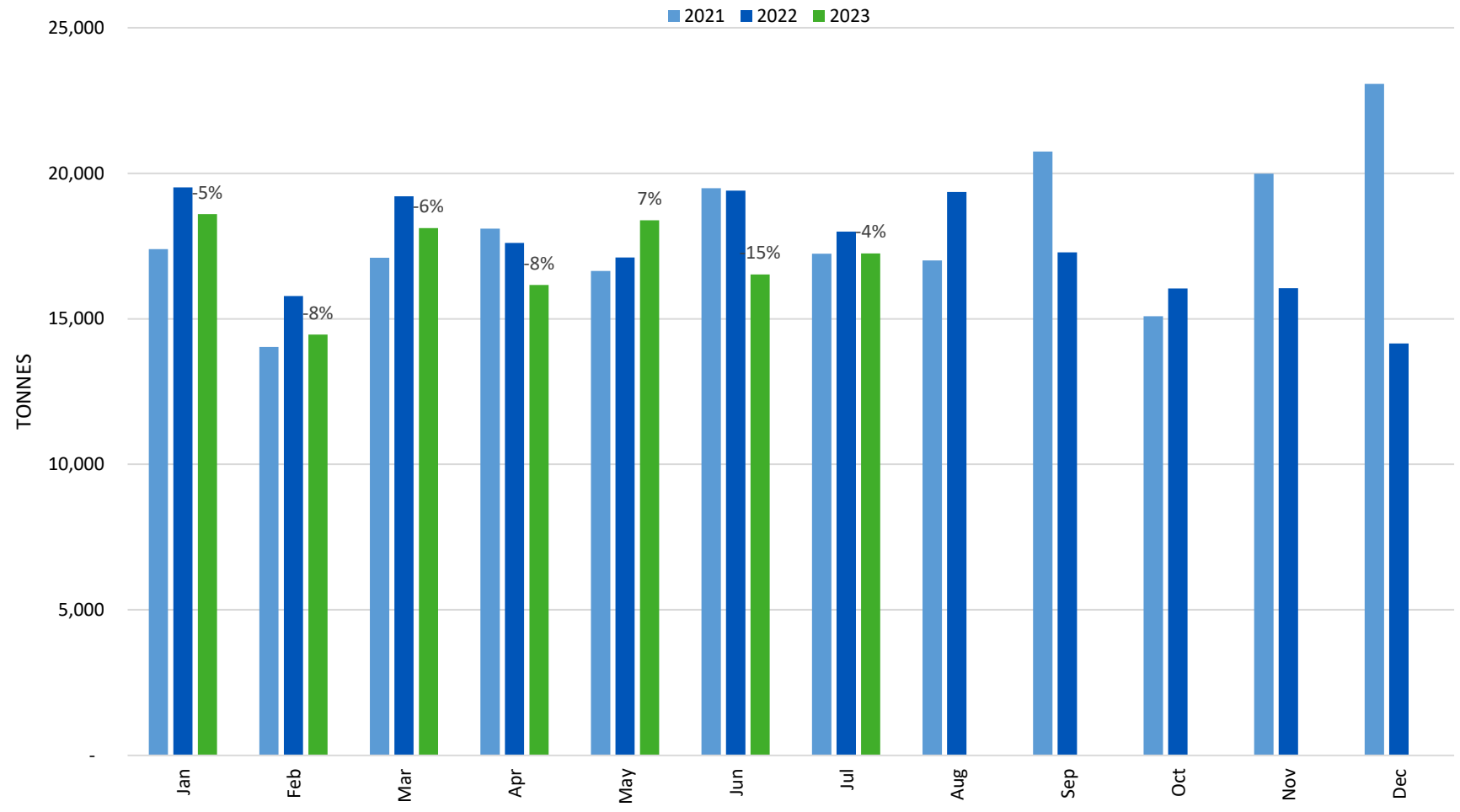
*Metro Vancouver's Six Recycling and Waste Centres & the Waste-to-Energy Facility

City of Vancouver Waste Quantities*

2021 - 2023

(Demo garbage not included)

YTD % Change: -6%



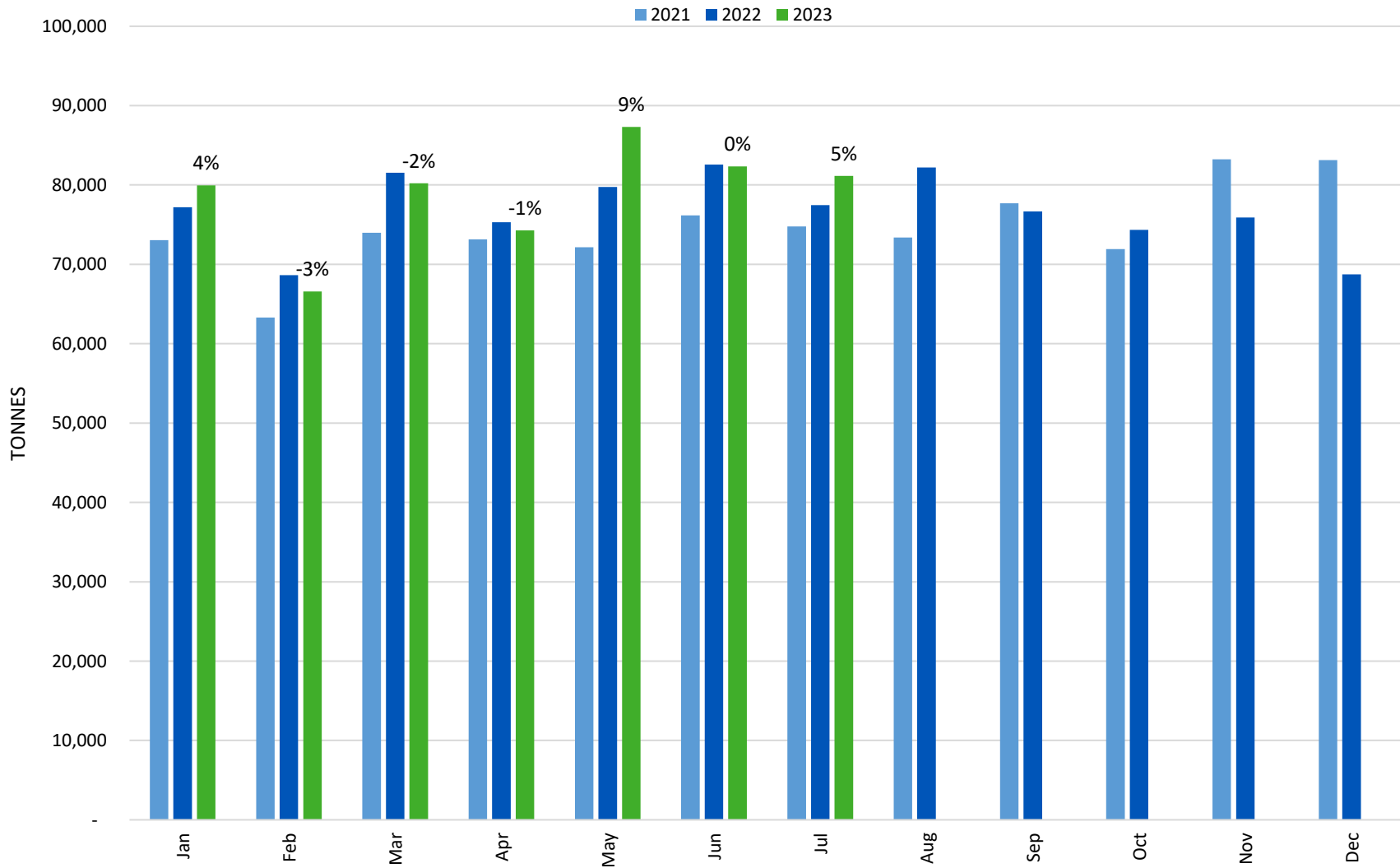
*Vancouver Landfill & Vancouver South Transfer Station

Metro Vancouver and City of Vancouver Waste Quantities

2021 - 2023*

(Demo garbage not included)

YTD % Change: 2%



*Metro Vancouver data reconciled to Jun 2023

Solid Waste Management Plan Public/Technical Advisory Committee

2023 Annual Work Plan

Meeting Date: September 7, 2023

An annual work plan for the committee will be developed by Metro Vancouver staff based on deliverables in the solid waste management plan development. The work plan will be reviewed annually by the committee, and will guide development of meeting agendas.

Priorities	
Item	Status
Workshop - Solid Waste Management Plan Update: Vision and Guiding Principles	Complete
Solid Waste Management Annual Summary	Complete
Circular Economy/ 3Rs Study	Complete
2022 Waste Composition Program Results	Complete
Performance Metrics Review	In progress
Reuse and Repair Initiatives	In progress
Regional Solid Waste System Assessment Study	In progress
Solid Waste Management Plan Update – Vision and Guiding Principles Report Back	Pending
Solid Waste Management Plan Update – Planning for Ideas Generation phase of engagement	Pending
Sustainable Packaging Guide – RCBC	Pending

2023 Meetings:

April 28, 2023 – In-person workshop

June 1, 2023 – Online

September 7, 2023 – In-person

November 16, 2023 – Online