

**METRO VANCOUVER REGIONAL DISTRICT
ZERO WASTE COMMITTEE**

REGULAR MEETING

May 14, 2021

9:00 a.m.

28th Floor Boardroom, 4730 Kingsway, Burnaby, British Columbia

A G E N D A¹

1. ADOPTION OF THE AGENDA

1.1 May 14, 2021 Regular Meeting Agenda

That the Zero Waste Committee adopt the agenda for its regular meeting scheduled for May 14, 2021 as circulated.

2. ADOPTION OF THE MINUTES

2.1 April 16, 2021 Regular Meeting Minutes

That the Zero Waste Committee adopt the minutes of its regular meeting held April 16, 2021 as circulated.

3. DELEGATIONS

4. INVITED PRESENTATIONS

5. REPORTS FROM COMMITTEE OR STAFF

5.1 GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021

That the GVS&DD Board:

- a) approve the following amendments to the Tipping Fee Bylaw effective June 1, 2021:
 - i. update the municipal solid waste disposal facilities listed in Schedule "A" to include United Boulevard Recycling and Waste Centre and replace the term Transfer Station with Recycling and Waste Centre in the facility names;

¹ Note: Recommendation is shown under each item, where applicable.

- b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021*; and
- c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021*.

5.1 Regional Harmonization of Single-Use Item Reduction Bylaws

That the GVS&DD Board direct staff to collaborate with member jurisdictions, the B.C. Ministry of Environment and Climate Change Strategy and other stakeholders on the development of a standard for municipal single-use item reduction bylaws for the Board's consideration.

5.2 2021 Food Scraps Recycling Campaign Results

That the Zero Waste Committee receive for information the report dated April 9, 2021, titled "2021 Food Scraps Recycling Campaign Results".

5.3 Manager's Report

That the Zero Waste Committee receive for information the report dated May 6, 2021, titled "Manager's Report".

6. INFORMATION ITEMS

6.1 National Zero Waste Council Annual Update

7. OTHER BUSINESS

8. BUSINESS ARISING FROM DELEGATIONS

9. RESOLUTION TO CLOSE MEETING

Note: The Committee must state by resolution the basis under section 90 of the Community Charter on which the meeting is being closed. If a member wishes to add an item, the basis must be included below.

- "90 (1) A part of the meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:
- (e) the acquisition, disposition or expropriation of land or improvements, if the board or committee considers that disclosure could reasonably be expected to harm the interests of the regional district; and
 - (k) negotiations and related discussions respecting the proposed provision of a regional district service that are at their preliminary stages and that, in the view of the board or committee, could reasonably be expected to harm the interests of the regional district if they were held in public".

10. ADJOURNMENT/CONCLUSION

That the Zero Waste Committee adjourn/conclude its regular meeting of May 14, 2021.

Membership:

Froese, Jack (C) - Langley Township
Hodge, Craig (VC) - Coquitlam
Calendino, Pietro - Burnaby
Elford, Doug - Surrey

Fathers, Helen - White Rock
Fry, Pete - Vancouver
Little, Mike - North Vancouver District
Martin, Gayle - Langley City

McDonald, Bruce - Delta
Morden, Mike - Maple Ridge
Steves, Harold - Richmond
Vagramov, Rob - Port Moody

**METRO VANCOUVER REGIONAL DISTRICT
ZERO WASTE COMMITTEE**

Minutes of the Regular Meeting of the Metro Vancouver Regional District (MVRD) Zero Waste Committee held at 9:00 a.m. on Friday, April 16, 2021, 2021 in the 28th Floor Boardroom, 4730 Kingsway, Burnaby, British Columbia.

MEMBERS PRESENT:

Chair, Mayor Jack Froese, Langley Township
 Vice Chair, Councillor Craig Hodge*, Coquitlam
 Councillor Pietro Calendino*, Burnaby
 Councillor Doug Elford*, Surrey
 Councillor Pete Fry*, Vancouver (arrived at 9:01 a.m.)
 Mayor Mike Little*, North Vancouver District
 Councillor Gayle Martin*, Langley City
 Councillor Bruce McDonald*, Delta
 Mayor Mike Morden*, Maple Ridge
 Councillor Harold Steves*, Richmond (arrived at 9:02 a.m.)
 Mayor Rob Vagramov*, Port Moody

MEMBERS ABSENT:

Councillor Helen Fathers, White Rock

STAFF PRESENT:

Paul Henderson, General Manager, Solid Waste Services
 Jerry W. Dobrovolny, Chief Administrative Officer
 Amelia White, Legislative Services Coordinator, Board and Information Services

1. ADOPTION OF THE AGENDA

1.1 April 16, 2021 Regular Meeting Agenda

It was MOVED and SECONDED

That the Zero Waste Committee:

- a) amend the agenda for its regular meeting scheduled for April 16, 2021 by adding:
 - i. Item 3.1 Late Delegation – Jaye-Jay Berggren and Chase Edgelow;
 - ii. Item 3.2 Late Delegation – Claire Ruddy;
 - iii. Item 3.3 Late Delegation – Chief Dean Nelson;
 - iv. Item 3.4 Late Delegation – Mayor Mike Richman;
- b) vary the order of the agenda to consider agenda Item 9 Resolution to Close after Item 2 Adoption of the Minutes; and
- c) adopt the agenda as amended.

CARRIED

*denotes electronic meeting participation as authorized by Section 3.6.2 of the *Procedure Bylaw*

9:01 a.m. Councillor Fry arrived at the meeting.

9:02 a.m. Councillor Steves arrived at the meeting.

2. ADOPTION OF THE MINUTES

2.1 March 12, 2021 Regular Meeting Minutes

It was MOVED and SECONDED

That the Zero Waste Committee adopt the minutes of its regular meeting held March 12, 2021 as circulated.

CARRIED

Agenda Order Varied

The order of the agenda was varied to consider Item 9 at this point.

9. RESOLUTION TO CLOSE MEETING

It was MOVED and SECONDED

That the Zero Waste Committee close its regular meeting scheduled for April 16, 2021 pursuant to the *Community Charter* provisions, Section 90 (1) (g) as follows:

- “90 (1) A part of the meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:
- (g) litigation or potential litigation affecting the regional district.”

CARRIED

ADJOURNMENT

The Zero Waste Committee adjourned its regular meeting of April 16, 2021 at 9:03 a.m. to convene a closed meeting.

RECONVENE

The Zero Waste Committee reconvened at 9:45 a.m. with the following members being in attendance:

MEMBERS PRESENT:

Chair, Mayor Jack Froese, Langley Township
Vice Chair, Councillor Craig Hodge*, Coquitlam
Councillor Pietro Calendino*, Burnaby
Councillor Doug Elford*, Surrey
Councillor Pete Fry*, Vancouver (arrived at 9:01 a.m.)
Mayor Mike Little*, North Vancouver District
Councillor Gayle Martin*, Langley City
Councillor Bruce McDonald*, Delta
Mayor Mike Morden*, Maple Ridge
Councillor Harold Steves*, Richmond (arrived at 9:02 a.m.)

Mayor Rob Vagramov*, Port Moody

MEMBERS ABSENT:

Councillor Helen Fathers, White Rock

Agenda Order Resumed

The order of the agenda resumed with Item 3.1 being before the Committee.

3. DELEGATIONS

3.1 Jaye-Jay Berggren, Founder & Director, Sea to Sky Soils and Composting Inc. and Chase Edgelow, CEO, EverGen Infrastructure Corporation

Jaye-Jay Berggren and Chase Edgelow spoke to members regarding Item 5.1 of the agenda, Award of Contract Resulting from Request for Proposal No. 20-016: Organics Management at the North Shore Transfer Station, stating how they would like to see a transparent process and consideration given to bids that align with Metro Vancouver's goals. They expressed that they would like to see the Zero Waste Committee proceed with alternative recommendation number two, to terminate the Request for Proposal (RFP) and have staff report back with other options.

Members were provided a video presentation regarding the Sea to Sky Soils Composting Inc. company, which is not retained with the agenda.

3.2 Claire Ruddy, Executive Director, Association of Whistler Area Residents for the Environment (AWARE)

Claire Ruddy spoke to members regarding Item 5.1 of the agenda, Award of Contract Resulting from Request for Proposal No. 20-016: Organics Management at the North Shore Transfer Station, offering comments about how the current organics management company, Sea to Sky Soils and Composting Inc., has been extremely beneficial for the surrounding community. Ms. Ruddy requested the Zero Waste Committee to proceed with alternative recommendation number two, to terminate the RFP and have staff report back with other options.

3.3 Chief Dean Nelson, Lilwat Nation

Chief Dean Nelson spoke to members regarding Item 5.1 of the agenda, Award of Contract Resulting from Request for Proposal No. 20-016: Organics Management at the North Shore Transfer Station, offering comments about how he has noticed a difference in the community since Sea to Sky Soils and Composting Inc. starting operating. He expressed that he would like to see the Zero Waste Committee proceed with alternative recommendation number two, to terminate the RFP and have staff report back with other options.

3.4 Mayor Mike Richman, Village of Pemberton

Mayor Mike Richman spoke to members regarding Item 5.1 of the agenda, Award of Contract Resulting from Request for Proposal No. 20-016: Organics

Management at the North Shore Transfer Station, offering comments about the sustainable practices at Sea to Sky Soils and Composting Inc. He expressed that he would like to see the Zero Waste Committee proceed with alternative recommendation two, to terminate the RFP and have staff report back with other options.

4. INVITED PRESENTATIONS

No items presented.

5. REPORTS FROM COMMITTEE OR STAFF

5.1 Award of Contract Resulting from Request for Proposal No. 20-016: Organics Management at the North Shore Transfer Station

Report dated April 8, 2021, from Roy Moulder, Director, Purchasing and Risk Management, Financial Services, and Paul Henderson, General Manager, Solid Waste Services, advising the GVS&DD Board of the results of the Request for Proposal No. 20-016: Organics Management at the North Shore Transfer Station, and recommending the award of the five-year contract in the amount of up to \$17,428,425 (exclusive of taxes) to Arrow Transportation Systems Inc., for organics management commencing on July 1, 2021.

Discussion ensued regarding the Request for Proposal (RFP) bid criteria, the review process for awarding a contract, and the alignment of Metro Vancouver's goals with the RFP criteria.

It was MOVED and SECONDED

That the GVS&DD Board:

- a) terminate RFP No. 20-016: Organics Management at the North Shore Transfer Station and direct staff to report back to the GVS&DD Board with options for an alternate course of action; and
- b) recommend a review of Metro Vancouver's procurement process to better incorporate Metro Vancouver's stated values and Strategic Plan visions (including transitioning towards a circular economy, strengthening relationships with First Nations, food security, supporting local economies and reduction of GHG emissions).

Distinct Propositions

At the request of a member, the motion was separated into distinct propositions by considering part a) separately from part b).

That the GVS&DD Board terminate RFP No. 20-016: Organics Management at the North Shore Transfer Station and direct staff to report back to the GVS&DD Board with options for an alternate course of action.

Proposition a) was before the Committee at this point.

Question was then called on part a) and it was

DEFEATED

That the GVS&DD Board recommend a review recommend a review of Metro Vancouver's procurement process to better incorporate Metro Vancouver's stated values and Strategic Plan visions (including transitioning towards a circular economy, strengthening relationships with First Nations, food security, supporting local economies and reduction of GHG emissions).

Proposition b) was before the Committee at this point.

Question was then called on part b) and it was

CARRIED

Members commented on how the proper RFP process had been followed in awarding this contract.

It was MOVED and SECONDED

That the GVS&DD Board:

- a) approve award of a five-year contract in the amount of up to \$17,428,425 (exclusive of taxes) to Arrow Transportation Systems Inc., resulting from Request for Proposal No. 20-016: Organics Management at the North Shore Transfer Station, subject to final review by the Commissioner; and
- b) authorize the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

CARRIED

Discussion ensued regarding the need to support our circular economy and the desire to process organics in closer proximity to the Lower Mainland.

Main Motion

It was MOVED and SECONDED

That the GVS&DD Board direct staff to report back with options for the development of a permanent local organics management facility to be in place prior to the end of the contract resulting from the proposal No. 20-016: Organics Management at the North Shore Transfer Station.

Members noted that the recommendation should stipulate the end date of the contract.

Amendment to the Main Motion

It was MOVED and SECONDED

That the Zero Waste Committee amend the Main Motion, by adding the phase “by July 1, 2026” following the phase “the end of the contract”.

CARRIED

Question on the Main Motion as Amended

Question was then called on the Main Motion as amended as it was

CARRIED

The Main Motion as amended now reads as follows

That the GVS&DD Board direct staff to report back with options for the development of a permanent local organics management facility to be in place prior to the end of the contract, on July 1, 2026, resulting from the proposal No. 20-016: Organics Management at the North Shore Transfer Station.

5.2 Recycling Depot Funding Strategy

Report dated April 8, 2021, from Paul Henderson, General Manager, Solid Waste Services, seeking GVS&DD Board approval of an updated funding strategy for the recycling depots at Metro Vancouver’s recycling and waste centres.

Discussion ensued regarding the recycling depot funding model, the various recycling depots in different jurisdictions and the possibility of standardizing services across the recycling depots.

It was MOVED and SECONDED

That the GVS&DD Board direct staff to prepare proposed amendments to be incorporated into the annual update to the Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017, as amended to:

- i) incorporate the cost of recycling depots at Metro Vancouver’s recycling and waste centres into garbage tipping fees; and
- ii) provide an annual garbage tipping fee credit to municipalities operating municipal recycling depots.

CARRIED

5.3 Solid Waste Services Capital Program Expenditure Update as of December 31, 2020

Report dated April 9, 2021, from Lynne Vidler, Lead Senior Engineer, Solid Waste Services, reporting on the status of the Solid Waste Services capital program and financial performance for the year ending December 31, 2020.

It was MOVED and SECONDED

That the Zero Waste Committee receive for information the report dated April 9, 2021, titled "Solid Waste Services Capital Program Expenditure Update as of December 31, 2020".

CARRIED

5.4 Regional Single-Use Item Reduction Campaign Launch

Report dated April 8, 2021, from Alison Schatz, Senior Communications Specialist, Corporate Communications, and Larina Lopez, Division Manager, Corporate Communications, External Relations, updating the Zero Waste Committee on the launch of the regional single-use item reduction campaign.

Members were provided a presentation on the research conducted, the strategy to reduce the use and disposal of single-use items, and the media strategy for launching the campaign.

Presentation material titled "Single-Use Item Reduction Campaign" is retained with the April 16, 2021 Zero Waste Committee agenda.

It was MOVED and SECONDED

That the Zero Waste Committee receive for information the report dated April 8, 2021, titled "Regional Single-Use Item Reduction Campaign Launch."

CARRIED

5.5 2021 Food Scraps Recycling Campaign Results

Report dated April 9, 2021, from Larina Lopez, Division Manager, Corporate Communications, External Relations, updating the Zero Waste Committee on the results of the 2021 regional food scraps recycling campaign, "Food Scraps Aren't Garbage".

Deferral Motion

It was MOVED and SECONDED

That the Zero Waste Committee defer consideration of the report dated April 7, 2021, titled "2021 Food Scraps Recycling Campaign Results", from its April 16, 2021 agenda, to its May 14, 2021 meeting.

CARRIED

5.6 Manager's Report

Report dated April 8, 2021, from Paul Henderson, General Manager, Solid Waste Services, updating the Zero Waste Committee on the contingency disposal contracts, the Central Surrey construction, the cannabis waste research, and the 2021 Zero Waste Committee Work Plan.

It was MOVED and SECONDED

That the Zero Waste Committee receive for information the report dated April 8, 2021, titled "Manager's Report".

CARRIED

6. INFORMATION ITEMS

6.1 Correspondence from City of Delta re Single-Use Item Reduction Advocacy for Consistent Regional Regulation dated March 11, 2021.

It was MOVED and SECONDED

That the Zero Waste Committee receive for information the correspondence dated March 11, 2021 titled "Correspondence from City of Delta re Single-Use Item Reduction Advocacy for Consistent Regional Regulation".

CARRIED

7. OTHER BUSINESS

No items presented.

8. BUSINESS ARISING FROM DELEGATIONS

No items presented.

10. ADJOURNMENT/CONCLUSION

It was MOVED and SECONDED

That the Zero Waste Committee conclude its regular meeting of April 16, 2021.

CARRIED

(Time: 12:02 p.m.)

Amelia White,
Legislative Services Coordinator

Jack Froese, Chair

45023230 FINAL

To: Zero Waste Committee

From: Allen Jensen, Project Engineer, Solid Waste Services

Date: May 7, 2021 Meeting Date: May 14, 2021

Subject: **GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021**

RECOMMENDATION

That the GVS&DD Board:

- a) approve the following amendments to the Tipping Fee Bylaw effective June 1, 2021:
 - i. update the municipal solid waste disposal facilities listed in Schedule "A" to include United Boulevard Recycling and Waste Centre and replace the term Transfer Station with Recycling and Waste Centre in the facility names;
 - b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021*; and
 - c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021*.
-

EXECUTIVE SUMMARY

The *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017* (Tipping Fee Bylaw) sets rates and requirements at Metro Vancouver solid waste facilities. The bylaw is typically amended or replaced on an annual basis or as changes are needed. This report proposes updating the solid waste facilities listed in Schedule "A" to include United Boulevard Recycling and Waste Centre and replace the term Transfer Station with Recycling and Waste Centre in the facility names.

PURPOSE

The purpose of this report is to seek GVS&DD Board (the Board) approval to amend the Tipping Fee Bylaw to update the disposal sites in Schedule "A".

BACKGROUND

The current Tipping Fee Bylaw is a consolidation of *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017* and a series of subsequent amendment bylaws.

In November 2020, the Board received an information report on new names for Metro Vancouver's network of solid waste facilities, including two new facilities currently under construction in Coquitlam and Surrey.

This report proposes amending the Tipping Fee Bylaw to make changes to Schedule "A" to include the United Boulevard Recycling and Waste Centre and replace the term Transfer Station with Recycling and Waste Centre in the facility names.

TIPPING FEE BYLAW CHANGES

Metro Vancouver solid waste facility names are listed below:

- United Boulevard Recycling and Waste Centre (new facility at 995 United Boulevard, Coquitlam)
- Coquitlam Recycling and Waste Centre (the existing facility at 1200 United Boulevard)
- Central Surrey Recycling and Waste Centre (new facility at 6711 – 154 Street, at 154 Street and 67 Avenue, Surrey)
- North Surrey Recycling and Waste Centre (existing Surrey Transfer Station)
- North Shore Recycling and Waste Centre
- Maple Ridge Recycling and Waste Centre
- Langley Recycling and Waste Centre
- Waste-to-Energy Facility

The proposed changes to the Tipping Fee Bylaw include updating the municipal solid waste disposal facilities listed in Schedule "A" to include United Boulevard Recycling and Waste Centre and replace the term Transfer Station with Recycling and Waste Centre in the facility names.

This would include the United Boulevard Recycling and Waste Centre as an approved disposal site and update Metro Vancouver solid waste facility names in the Tipping Fee Bylaw. United Boulevard Recycling and Waste Centre is scheduled to open in late spring 2021.

The Central Surrey Recycling and Waste Centre is expected to open in the first quarter of 2022. On that basis, Central Surrey can be added to the Tipping Fee Bylaw as part of the annual update to the bylaw in the fall. As the Coquitlam Recycling and Waste Centre will also be closed then, it will be removed from the Tipping Fee Bylaw as part of the annual update.

The proposed amendments to the Tipping Fee Bylaw would take effect June 1, 2021. The amending bylaw is included as attachment 1 and a blackline version of the proposed changes is included as attachment 2.

ALTERNATIVES

1. That the GVS&DD Board:
 - a) approve the following amendments to the Tipping Fee Bylaw effective June 1, 2021:
 - i. update the municipal solid waste disposal facilities listed in Schedule "A" to include United Boulevard Recycling and Waste Centre and replace the term Transfer Station with Recycling and Waste Centre in the facility names;
 - b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021*; and
 - c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021*.
2. That the GVS&DD Board receive the report dated May 7, 2021, titled "*GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021*" and provide alternate direction to staff.

FINANCIAL IMPLICATIONS

There are no financial implications.

CONCLUSION

The proposed changes to the Tipping Fee Bylaw would include the United Boulevard Recycling and Waste Centre as an approved disposal site and update Metro Vancouver solid waste facility names effective June 1, 2021. Staff recommend Alternative 1, that the Board amend the Tipping Fee Bylaw.

Attachments

1. GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw 348, 2021 - Amends Bylaw 306, 2017 (*Orbit #45475845*)
2. Blackline Version Proposed Changes to GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017 (*Orbit #45419693*)

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**GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT
AMENDMENT BYLAW NO. 348, 2021
A Bylaw to amend Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid
Waste Disposal Regulation Bylaw No. 306, 2017**

WHEREAS:

- A. The Greater Vancouver Sewerage and Drainage District (“**GVS&DD**”) Board (the “**Board**”) adopted the “Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017”, as amended, a Bylaw to establish a scale of fees, levies and charges for services rendered by the GVS&DD and for the use of any of the GVS&DD’s waste disposal facilities; and
- B. The Board wishes to amend the “Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017”,

NOW THEREFORE the Greater Vancouver Sewerage and Drainage District Board enacts as follows:

- 1.0 The “Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017” (the “**Bylaw**”) is hereby amended as follows:
 - 1.1 Schedule “A” of the Bylaw is deleted and replaced with the Schedule “A” that is attached to and forms part of this bylaw.
- 2.0 The official citation for this bylaw is “Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 348, 2021”.

3.0 This bylaw comes into force and takes effect June 1, 2021.

Read a first, second and third time this _____ day of _____, _____.

Passed and finally adopted this _____ day of _____, _____.

Sav Dhaliwal, Chair

Chris Plagnol, Corporate Officer

SCHEDULE "A"

DISPOSAL SITES

- Coquitlam Recycling and Waste Centre located at 1200 United Boulevard, Coquitlam
- Langley Recycling and Waste Centre located at 1070 272 Street, Langley
- Maple Ridge Recycling and Waste Centre located at 10092 236 Street, Maple Ridge
- North Shore Recycling and Waste Centre located at 30 Riverside Drive, North Vancouver
- North Surrey Recycling and Waste Centre located at 9770 192 Street, Surrey
- United Boulevard Recycling and Waste Centre at 995 United Boulevard, Coquitlam
- Waste-to-Energy Facility located at 5150 Riverbend Drive, Burnaby

SCHEDULE "A"

DISPOSAL SITES

- Coquitlam [Recycling and Waste Centre](#) located at 1200 United Boulevard, Coquitlam
- [Langley Recycling and Waste Centre located at 1070 272 Street, Langley](#)
- [Maple Ridge Recycling and Waste Centre located at 10092 236 Street, Maple Ridge](#)
- North Shore [Recycling and Waste Centre](#) located at 30 Riverside Drive, North Vancouver
- [North Surrey Recycling and Waste Centre](#) located at 9770 [192](#) Street, Surrey
- [United Boulevard Recycling and Waste Centre at 995 United Boulevard, Coquitlam](#)
- Waste-to-Energy Facility located at 5150 Riverbend Drive, Burnaby

To: GVS&DD Board

From: Karen Storry, Senior Engineer, Solid Waste Services

Date: May 7, 2021 Meeting Date: May 14, 2021

Subject: **Regional Harmonization of Single-Use Item Reduction Bylaws**

RECOMMENDATION

That the GVS&DD Board direct staff to collaborate with member jurisdictions, the B.C. Ministry of Environment and Climate Change Strategy and other stakeholders on the development of a standard for municipal single-use item reduction bylaws for the Board's consideration.

EXECUTIVE SUMMARY

A harmonized regulatory approach for single-use items across the region would benefit both residents and businesses. Metro Vancouver does not have the authority to regulate the sale or distribution of single-use items. The primary regulatory tool used currently is municipal single-use item bylaws. Approved bylaws within the region are generally consistent but not identical. Three municipalities have written to Metro Vancouver requesting a consistent regional regulatory approach be pursued. To support members seeking to implement bylaws, Metro Vancouver could engage with member municipalities, the B.C. Ministry of Environment and Climate Change Strategy (Ministry of Environment), and other stakeholders, and report back to the GVS&DD Board with a recommended standard for municipal bylaws. An alternative approach would be to monitor provincial progress as the Ministry of Environment develops a provincial standard for municipal bylaws, and report back if a provincial standard is not implemented in the near-term.

PURPOSE

The purpose of this report is to seek GVS&DD Board (Board) direction for Metro Vancouver to develop a recommended standard for municipal single-use item bylaws.

BACKGROUND

At its September 18, 2020 meeting, the Zero Waste Committee requested that staff report back with information on the region-wide harmonization of single-use items bylaws.

Metro Vancouver has received letters from City of New Westminster, City of Delta and City of Coquitlam (see attachment 1) asking Metro Vancouver to lead the harmonization of municipal bylaws in the region.

HARMONIZATION OF SINGLE-USE ITEM REDUCTION INITIATIVES

Harmonization of single-use item reduction programs and policies is a key priority for the region. Consistent bylaws reduce confusion for residents and deliver greater efficiencies for businesses. Some single-use plastics that end up in the environment cause harm to ecosystems and wildlife, and those that are not recycled are a lost resource for the economy.

Regional District Authority with Respect to Regulation of Single-Use Items

Metro Vancouver does not have the authority to implement a regulatory framework for the sale or distribution of single-use items, and must rely on other levels of government to implement regulatory measures related to the sale or distribution of single-use items.

Metro Vancouver has the authority to restrict or limit the disposal of items through the regional solid waste system. This authority is the basis of the regional disposal ban program, where garbage loads are inspected at Metro Vancouver solid waste facilities and surcharges are levied in the event the amount of a particular material visible in a garbage load exceeds a threshold set in the *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw*.

Previous reviews of Metro Vancouver's authority concluded that the regional district does not have the authority to restrict or limit the sale or distribution of any materials including single-use items. Metro Vancouver's conclusion was confirmed following the Regional District of North Okanagan's submission of the *Checkout Bag Regulation Bylaw No. 2826* to the Minister of Environment and Climate Change Strategy on July 24, 2019 for approval. The Minister wrote back to the Regional District of North Okanagan on October 1, 2020 to advise that, "a regional district bylaw to regulate checkout bags under the *Local Government Act* is not within the authority of the Minister of Environment and Climate Change Strategy to approve or reject".

Provincial and National Regulations to Reduce Single-Use Item and Plastics Waste

Metro Vancouver and member municipalities continue to advocate for single-use item regulations at the provincial or federal levels as they present the greatest opportunities for a harmonized approach to the regulation of single-use items. On October 7, 2020, the federal government announced plans to ban plastic checkout bags, straws, stir sticks, six-pack rings, cutlery, and food ware made from hard-to-recycle plastics with regulations to be finalized by the end of 2021. No specific timeline for implementation of the bans has been announced.

The Ministry of Environment approved municipal single-use item reduction bylaws in a number of communities including City of Richmond and City of Surrey. The City of Vancouver's bylaws are not subject to ministerial approval. In their response to 2020 UBCM resolutions on single-use items, the Ministry of Environment confirmed that it is "committed to developing a provincial ban on single-use plastics and is planning to consult with stakeholders to make sure the proposed framework is manageable and takes into consideration economic recovery. The provincial ban will align with federal government initiatives that occur within the same timeframe."

On March 25, 2021, the Ministry of Environment hosted a webinar for municipalities to get feedback on proposed updates to the *Community Charter* which would allow municipalities to implement bans on a proposed list of items including: checkout bags, straws, utensils, and foam food service ware without ministerial approval of individual bylaws. The proposed approach includes fees for alternatives for checkout bags, and the ability to add requirements for cutlery and straws made from alternative materials to be available on a by-request basis. The updates would create a provincial standard for single-use item bylaws. According to the webinar materials, the anticipated implementation of the updates to the *Community Charter* is summer 2021.

Metro Vancouver Actions to Date

To date, Metro Vancouver has taken the role of supporting municipalities in considering regulatory approaches for single-use items. Metro Vancouver has developed a toolkit, other resources, and convened conversations with municipalities and stakeholders. Metro Vancouver has developed communication materials to be used both by Metro Vancouver and member jurisdictions to encourage single-use item reduction. Metro Vancouver has also written to the Ministry of Environment recommending a province-wide approach to regulating single-use items while allowing for municipal autonomy to ban additional items to protect the local environment and reduce strain on local resources.

Potential Recommended Standard for Single-Use Item Bylaws

The requirements in place in the three municipalities with approved bylaws, while generally consistent, are not identical. For example, the City of Vancouver straw ban has a specific requirement that food vendors stock flexible plastic straws and provide them to customers when requested. The City of Richmond does not require retailers charge fees for paper grocery bags, where City of Vancouver and the City of Surrey do. A table summarizing the three approved bylaws along with bylaws from other BC municipalities is included as attachment 2.

As noted above, three municipalities have requested that Metro Vancouver facilitate consistent regional regulation of single-use items. Given that Metro Vancouver has no regulatory authority to establish a regional single-use item bylaw, a potential approach would be for Metro Vancouver to establish a recommended standard for municipal single-use item bylaws. The standard could include among other things:

- banned items
- fees for alternatives
- definitions
- exemptions and additional requirements – e.g. requiring food vendors to stock straws for accessibility
- penalties and general enforcement approach

Metro Vancouver has successfully used a similar approach to improve consistency of municipal watering restrictions which are harmonized at the regional level through the *Drinking Water Conservation Plan*.

A regional recommended standard would not have any regulatory force. Each municipality would ultimately approve and implement their own bylaw. Metro Vancouver would not provide legal advice to the municipalities on the detail of bylaws as each municipality would be responsible for its own bylaws. A recommended standard would be preferable to a minimum standard as a minimum standard would result in more divergence in requirements by municipalities resulting in a less harmonization.

Engagement

Given that a regional recommended standard would have no regulatory force and member municipalities have already extensively consulted on single-use item bylaws, engagement on a regional standard would be limited to the Ministry of Environment, member jurisdictions,

environmental non-profits, groups representing persons with disabilities, industry associations and other key stakeholders identified during the development of the recommended standard.

ALTERNATIVES

1. That the GVS&DD Board direct staff to collaborate with member jurisdictions, the B.C. Ministry of Environment and Climate Change Strategy and other stakeholders on the development of a standard for municipal single-use item reduction bylaws for the Board's consideration.
2. That the Zero Waste Committee receive for information the report dated May 7, 2021, titled Regional Harmonization of Single-Use Item Reduction Bylaws, and direct staff to monitor provincial progress on implementing a provincial standard for municipal single-use item reduction bylaws.

FINANCIAL IMPLICATIONS

If the Board approves Alternative 1, staff would report back with a recommended standard for municipal single-use item bylaws. Municipalities would ultimately be responsible for implementing bylaws within their communities.

If the Board approves Alternative 2, staff would monitor provincial progress on implementing a provincial standard for municipal single-use item bylaws and report back if a provincial standard was not implemented in a timely manner. Even if the Board approves proceeding with a regional standard, staff will work closely with Ministry of Environment staff to ensure that a regional standard does not conflict with provincial work.

CONCLUSION

Reduction of single use-items is a key priority for the region. Metro Vancouver has no regulatory authority to restrict the sale or distribution of single-use items. Three member municipalities have written to Metro Vancouver requesting Metro Vancouver take the lead in developing a consistent regional regulatory standard for single-use items. Staff recommend that Metro Vancouver engage with municipal staff and other stakeholders and report back with a recommended regional standard for municipal single-use item bylaws. Alternatively, staff could monitor progress on the implementation of a provincial standard.

Attachments (*Orbit # 45478020*)

1. Correspondence from members advocating for consistent regional regulation:
 - a. Correspondence from City of New Westminster re Single-Use Item Reduction Advocacy for Consistent Regional Regulation dated February 5, 2021.
 - b. Correspondence from City of Coquitlam re Single-Use Item Reduction Advocacy for Consistent Regional Regulation dated February 22, 2021.
 - c. Correspondence from City of Delta re Single-Use Item Reduction Advocacy for Consistent Regional Regulation dated March 11, 2021.
2. Table 1 – Summary of Single-Use Item Reduction Bylaws in British Columbia



Jonathan X. Côté
Mayor

February 5, 2020

Sav Dhaliwal
Chair, Board of Directors
Greater Vancouver Sewerage and Drainage District
Metrotower III, 4730 Kingsway
Burnaby, BC V5H 0C6

Dear Mr. Dhaliwal,

Re: Single-Use Item Reduction Advocacy for Consistent Regional Regulation

I am writing to advise that at the February 1, 2021 regular meeting, New Westminster City Council adopted the following resolution:

THAT Council authorize the Mayor and Corporate Officer to submit the letter (Attachment 1 in the February 1, 2021 Council Report) to the Board of Directors of the Greater Vancouver Sewerage and Drainage District Board (GVS&DD) and the Zero Waste Committee at Metro Vancouver, along with all Lower Mainland Municipalities, to develop a region-wide single-use items reduction strategy including regulation.

On January 18th, 2021, City Council received a staff report on the current efforts Federal and Provincial governments are taking towards developing regulatory frameworks to reduce single-use items in the waste stream. Bylaws enacted by some local governments and their implementation were also outlined.

Council recognizes that Metro Vancouver has created a toolkit of strategies (including regulation) which the 21 member municipalities could utilize to reduce single-use item waste in their communities. However, the enactment of local bylaws by individual municipalities could lead to a mosaic of regulations across the region, which may lead to confusion and inconsistency for residents and businesses. Council believes that single-use items regulation should be developed regionally within the context of Federal and Provincial frameworks. Metro Vancouver should take the lead role in creating the regulatory framework through the Greater Vancouver Sewerage and Drainage District (GVS&DD) and the Zero Waste Committee.

Council understands that Metro Vancouver as a regional district does not currently have legislative authority to restrict the sale and use of single-use items. Notwithstanding, Council is urging Metro Vancouver to advocate for regional consistency in regulating the use of single-use items. The City is prepared to support Metro Vancouver in this advocacy work by submitting a resolution to the Lower Mainland Local Government Association (LMLGA) for consideration and possible subsequent submission to UBCM.

As provincial legislative change will take time and to ensure this important work moves forward in 2021, Council is requesting Metro Vancouver lead the development of an inter-municipal regulatory framework for the region so local governments can be more unified in achieving consistency for residents and businesses. In addition, Council strongly believes that the framework needs to be sensitive to the principle of equity, including aspects such as accessibility and cultural needs.

A good example is the harmonized ride-hailing regulation developed by TransLink. This was an area where only municipalities had jurisdiction, and where cities came together in a short time frame to create a single framework for the entire region. The resulting regulation allowed municipalities the ability to opt into the legislation and create better consistency for ride-hailing companies. Another example is the regional approach on regulating water use during the summer water shortage period.

Council appreciates the work that Metro Vancouver has undertaken thus far in terms of resources and support for local governments (and other organizations) to reduce single-use items. Council urges Metro Vancouver to take a more active role by both advocating for the legislative authority and bringing together an inter-municipal team to develop a region-wide regulatory framework.

If you have any questions about this or would like more information, please contact Environmental Coordinator Jennifer Lukianchuk at jlukianchuk@newwestcity.ca or 604-515-3780.

Sincerely,



Jonathan X Cote,
Mayor

Enclosures:

January 18, 2021 Council report "Single-Use Item Reduction Update"

February 1, 2021 Council Report "Single-Use Item Reduction Advocacy for Consistent Regional Regulation"

Cc: Metro Vancouver Zero Waste Committee
Metro Vancouver Local Governments
Chris Plagnol, Corporate Officer, chris.plagnol@metrovancover.org
Jennifer Lukianchuk, Environmental Coordinator, City of New Westminster

ATTACHMENTS NOT INCLUDED



OFFICE OF THE MAYOR
Richard Stewart

February 22, 2021
Our File: 11-5280-01/000/2021-1
Doc #: 3980198.v1

Sav Dhaliwal
Chair, Board of Directors
Greater Vancouver Sewerage and Drainage District
Metrotower III, 4730 Kingsway
Burnaby, BC V5H 0C6

Dear Mr. Dhaliwal:

RE: Single-Use Item Reduction Advocacy for Consistent Regional Regulation

Coquitlam City Council is aware that both provincial and federal governments are currently taking significant actions on preparing a regulatory framework to reduce single-use plastics and that some local governments have already started to enact local related Bylaws.

On February 1, 2021 New Westminster City Council adopted a resolution advocating for *"the development of a region-wide single-use items reduction strategy including regulation"*. On February 5th, 2021 a letter was sent to the Greater Vancouver Sewerage and Drainage District Board, the Zero Waste Committee at Metro Vancouver and all Lower Mainland municipalities advocating for a consistent regional regulation.

The City of Coquitlam Council agrees with the City of New Westminster that a coordinated and regional approach is needed on this issue, within the context of Federal and Provincial frameworks, and that the enactment of individual local bylaws could lead to confusion and inconsistency for residents and businesses.

We respectfully request that Metro Vancouver take the lead role in developing an inter-municipal regulatory framework to reduce single-use plastics similar to the successful regional approach taken to seasonal drinking water restrictions.

Sincerely,

Richard Stewart
Mayor



March 11, 2021

Sav Dhaliwal, Chair
Metro Vancouver Board of Directors
Metrotower III, 4730 Kingsway
Burnaby, BC V5H 0C6

Dear Chair Dhaliwal,

Re: Single-Use Item Reduction Advocacy for Consistent Regional Regulation

At the February 22, 2021 Regular Meeting, Delta Council received the enclosed letter from the City of New Westminster on the subject of single-use item reduction. The City of Delta has for a number of years been advocating for measures to reduce plastic waste and seeking senior government regulation in this regard. Delta's City Council unanimously supports the City of New Westminster's request for consistent regional regulation of single-use items. As municipalities in our region develop and enact bylaws to regulate and promote the reduction of single-use items, inconsistencies between bylaws can lead to confusion and implementation challenges for residents and businesses. To avoid such inconsistencies and challenges and better ensure success, a regional approach is needed.

While single-use item regulations are being prepared at both the provincial and federal levels, it may still be some time before such regulations are implemented. In the meantime, we respectfully request that Metro Vancouver take the lead in developing an inter-municipal regulatory framework to provide a harmonized regional approach to single-use item regulation. City of Delta staff are available to participate in an inter-municipal team to assist with this endeavour.

Thank you for your attention to this matter.

Yours truly,

George V. Harvie
Mayor

...2

March 11, 2021
Page 2

Enclosure

cc: Mayor Jonathan X. Côté and Council, City of New Westminster
Metro Vancouver Zero Waste Committee
Delta Council
Sean McGill, City Manager
Mel Cheesman, Director of Corporate Services
Steven Lan, Director of Engineering

ATTACHMENTS NOT INCLUDED

Table 1 – Summary of Single-Use Item Reduction Bylaws in British Columbia

	Bags	Straws	Utensils	Cups	Containers
Esquimalt	Ban + Fees				
Nanaimo	Ban + Fees				
Richmond	Ban	Ban		Foam Ban	Foam Ban
Rossland	Ban + Fees				
Saanich	Ban + Fees				
Surrey	Ban + Fees	Ban		Foam Ban	Foam Ban
Tofino	Ban + Fees	Ban		Foam Ban	Foam Ban
Ucluelet	Ban + Fees	Ban		Foam Ban	Foam Ban
Vancouver	Ban + Fees	Ban*	By request only	Foam Ban + Cup Fee	Foam Ban
Victoria	Ban + Fees				

*With an accessibility requirement: Flexible plastic straws, individually wrapped in paper, must be stocked by food vendors and provided to customers when requested.

To: Zero Waste Committee

From: Larina Lopez, Division Manager, Corporate Communications, External Relations

Date: April 9, 2021 Meeting Date: May 14, 2021

Subject: **2021 Food Scraps Recycling Campaign Results**

RECOMMENDATION

That the Zero Waste Committee receive for information the report dated April 9, 2021, titled “2021 Food Scraps Recycling Campaign Results.”

EXECUTIVE SUMMARY

The 2021 “Food Scraps Aren’t Garbage” campaign ran from January 11 to March 7, 2021. The primary objective was to increase the diversion of organic waste into the green bin, and the approach built on the 2019 and 2020 campaigns by continuing to use the food face characters. New in 2021 was a secondary objective to reduce contamination overall, as well as an audience segment focused on multi-family residents. Hyper-targeted banner ads and a new webpage were used to address common confusing items. The Green Bin Q&A on Instagram Stories also returned in 2021. Performance was strong, with 43 million total impressions, 2.8 million reach, and over 30,000 website page views. The campaign will run again in early 2022.

PURPOSE

To update the Committee on the results of the 2021 regional food scraps recycling campaign, “Food Scraps Aren’t Garbage.”

BACKGROUND

The food scraps recycling (FSR) campaign is part of a suite of education, enforcement (policy) and engineering efforts by Metro Vancouver to reduce waste in the region. It supports the waste reduction objectives in the *Integrated Solid Waste and Resource Management Plan*. 2021 marked the eighth year of the FSR campaign. This report provides an update on the results of the 2021 FSR campaign as identified in the 2021 Zero Waste Committee Work Plan.

2021 REGIONAL FOOD SCRAPS RECYCLING CAMPAIGN

The 2021 “Food Scraps Aren’t Garbage” campaign was in market from January 11 to March 7, 2021. The campaign strategy and approach built on the 2019 and 2020 campaigns. Classically recognized organics are still in the garbage in significant quantities, so the primary campaign objective was to increase the diversion of organic waste into the green bin. New in 2021 was a secondary objective to reduce contamination overall (by single-use items, plastic bags, plastics labelled “compostable” or “biodegradable,” PPE, and other items). The audience was all Metro Vancouver residents, including a segment focused on multi-family residents, who have a lower diversion rate than single-family residents.

The primary message was “food scraps aren’t garbage.” The campaign leveraged the googly-eyed food face characters and creative from the past two years (see Attachment 1 for sample creative).

In 2019, the FSR campaign started to provide more specific information to help people understand why we compost and help alleviate confusion. This strategy has evolved year over year, and in 2021 a new webpage was added, “What to Do with Confusing Items” (Reference 1). Based on questions received in 2020 via social media and the Green Bin Q&A, the webpage featured disposal instructions for common green bin contaminants.

The paid media strategy leveraged both broad and targeted tactics, including television PSA (geo-targeted; 14 networks), transit shelter ads, bus sides, digital banner ads, Google Search, YouTube, social media (Facebook, Instagram, and Twitter), interactive Instagram Stories, and a branded content article in *Daily Hive*. All the placements directed to the campaign website (Reference 2).

Hyper-targeted banner ads were used to address contaminant items. These included coffee cups (targeted to people who had recently been in a coffee shop) and takeout containers (targeted to people who had recently been in a takeout restaurant) (Attachment 2).

A secondary message about plastic bag contamination was targeted to people who have previously searched for info about this topic via programmatic banner ads.

Elevator screens in condo buildings were used to reach the multi-family audience segment. They included messages to address the specific barriers to using the green bin for multi-family residents.

Green Bin Q&A

The Green Bin Q&A on Instagram Stories returned in 2021. This tactic addressed residents’ need for specific information. It featured helpful experts from Metro Vancouver’s Solid Waste Services department responding directly to questions from residents

During the Green Bin Q&A, people sent in their questions via interactive Instagram Stories, and Metro Vancouver staff answered the questions in short videos on Instagram Stories (Attachment 3). This created the opportunity to address specific questions and confusing items, like chopsticks, grease, and compostable food ware. The Green Bin Q&A videos were also used in paid media placements, which amplified their reach across the region.

Over the four Green Bin Q&As, 52 questions were asked by residents. Of these, 22 were answered on video and the rest were answered via direct message. The most common question topics included food-soiled paper, single-use takeout items, items labelled “compostable” or “biodegradable,” and parchment / wax paper. There were also specific questions received multiple times, such as what to do with the wax on cheese, pet waste, and cooking oil / grease.

Engagement of Metro Vancouver Members

Campaign materials were made available to all Metro Vancouver members, including social media content and co-branded assets like transit shelter ads and digital message boards. Several members used the materials on their social media channels and throughout their municipalities.

Results

Website Traffic

- Over the campaign period, there were 30,815 page views, which is 550 per day. This is above the baseline of about 300 sessions / day, and indicates strong performance.
- Users spent on average 1:38 viewing a page, indicating that they were taking the time to read the content.
- Besides the landing page, the most popular pages were “What to Do with Confusing Items” and “What Goes in the Green Bin?” These pages were designed to answer specific questions that residents have, and the high amount of traffic and average time on page indicate that they are providing information that residents seek.
- Banner ads were the top source of website traffic, followed by organic and aid search.

Media Performance

- The campaign delivered nearly 43 million impressions.
- The broad traditional tactics delivered 31 million impressions across transit shelter ads, bus sides, and elevator screens.
- The targeted digital tactics delivered 11.5 million impressions, with a reach of 2.8 million.
- There were 1.5 million video views on social media.

Social Media Engagement

- Social media placements had a total reach of 976,331 people. There were 3,713 engagements (likes, comments, and shares). The videos performed well, with 346,161 views and a view rate of 29%.
- The Green Bin Q&A Instagram Stories reached 24,690 people organically, and 97,519 in the paid placements. The best performing Q&A was about plastic bags labelled “compostable.”

A post-campaign survey was not conducted in 2021.

Plans for 2022 Regional Campaign

The campaign will run again in early 2022. It will continue to use the existing creative platform, as performance is strong. The target audience and key messages are to be determined, but will be based on insights from 2021’s campaign and data from Solid Waste Services.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

The 2021 single-use item reduction campaign has a budget of \$110,000, supported under the Zero Waste Communications Program of the 2021 General Government budget.

CONCLUSION

2021 was the eighth year of the “Food Scraps Aren’t Garbage” campaign, which aims to increase diversion of organic waste into the green bin. The food faces creative platform was used once again in 2021, and specific tactics were added alleviate confusion and reduce contamination overall, including hyper-targeted banner ads, a new webpage called “What to Do with Confusing Items,”

and an interactive Green Bin Q&A. A segment targeting multi-family residents and their specific barriers was included. The campaign performed strongly, with 43 million total impressions, 2.8 million reach, and over 30,000 webpage visits. The campaign will run again in 2022, informed by learnings from 2021 and building on the long-term equity in the creative platform.

Attachments

- 1: “Food Scraps Aren’t Garbage” Sample Creative
- 2: Hyper-Targeted Banner Ads
- 3: Green Bin Q&A Example

References

- 1. [What to Do with Confusing Items](#)
- 2. [“Food Scraps Aren’t Garbage” Website](#)

44694944

“FOOD SCRAPS AREN’T GARBAGE” SAMPLE CREATIVE

Posters (All)



Apple



Red Pepper



Eggshell



Napkin



Grease



Pineapple



Onion Peel



Coffee Filter



Chicken Bone



Chopsticks

Transit Shelter Ad

metrovancouver

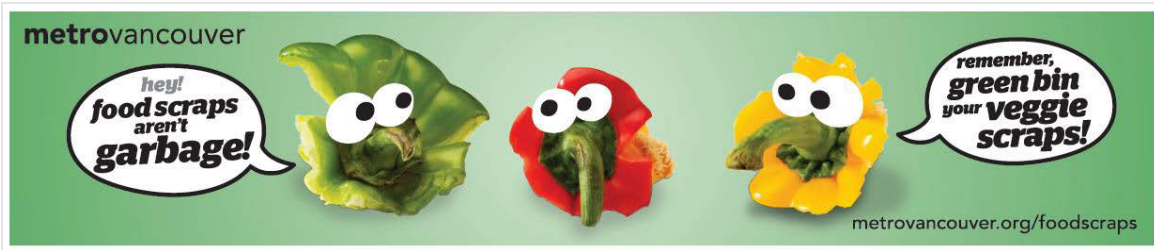
hey!
**food scraps
aren't
garbage!**

**Green bin
your fruit
scraps!**

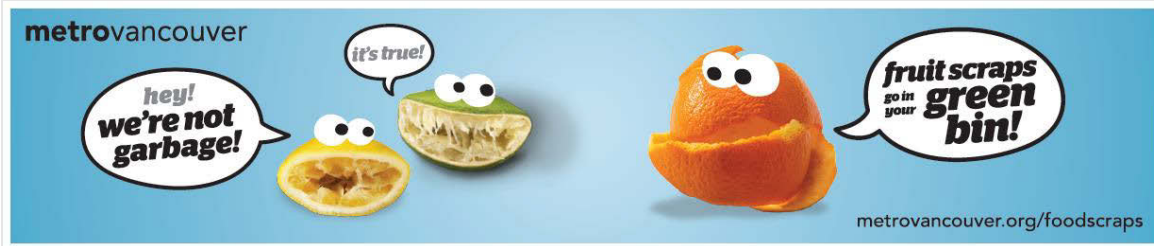


metrovancover.org/foodscraps

Bus Sides



Pepper



Citrus

Social Media Ads

Metro Vancouver
Sponsored · 🌐

Peels, cores, seeds, and stems – all fruit and veggie scraps belong in your green bin. Food scraps aren't garbage.

Green bin pepper stems & seeds.
Get green bin tips. [Learn More](#)

Green bin peels.
Get green bin tips. [Learn More](#)

Like Comment Share

Facebook

← Instagram

metrovancoverbc

Learn More

metrovancoverbc Green bin coffee filters & tea bags.

Instagram

Metro Vancouver
Sponsored · 🌐

Food scraps aren't garbage! They belong in your green bin. Click for tips to make green-binning easier.

[METROVANCOVERBC.ORG/FOODSCRAPS](https://metrovancoverbc.org/foodscraps)

Food Scraps Aren't Garbage
Get green bin tips. [Learn More](#)

Facebook

Instagram

metrovancoverbc
Sponsored

Learn More

metrovancoverbc Food scraps aren't garbage! They belong in your green bin. Watch to learn why.

Instagram

Search Ads

What Goes in the Green Bin? | Metro Vancouver | Green Bin Tips

www.metrovancoverbc.org/

Don't be confused by composting. Find out what goes in your green bin. Food-soiled paper can help prevent odours.

Food Scraps Aren't Garbage | Metro Vancouver

www.metrovancoverbc.org/

What waste should go in the green bin? Learn more about what can be collected. Composting doesn't have to be a chore.

Smelly green bin? | Metro Vancouver

www.metrovancoverbc.org/

Food-soiled paper can help prevent odours. Get more storage tips. Don't be confused by composting. Find out what goes in your green bin.

[Composting 101](#) · [Food Scraps Recycling](#) · [Make It Easy](#) · [Keep It Clean](#)

HYPER-TARGETED BANNER ADS

Version 1: Cups (Mobile Example)



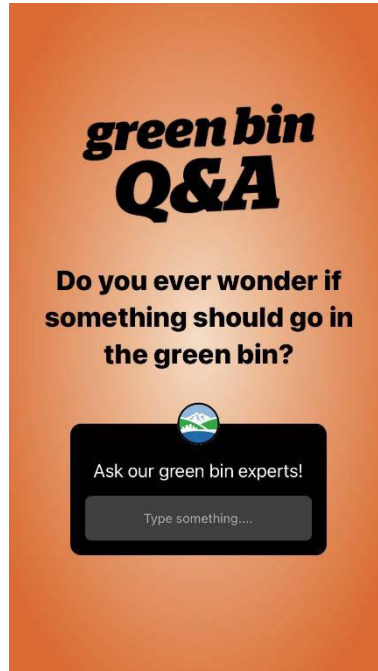
Version 2: Containers (Desktop Example)



GREEN BIN Q&A EXAMPLE



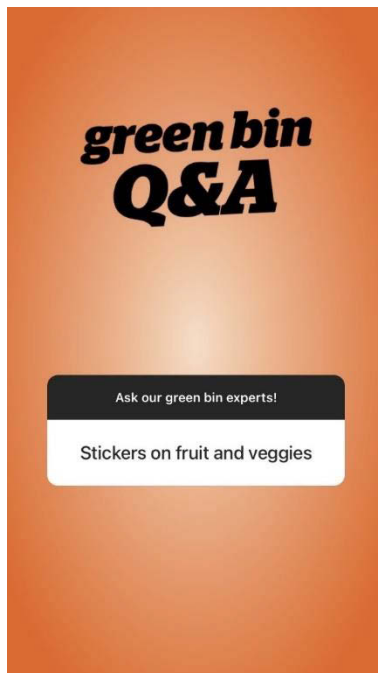
Frame 1



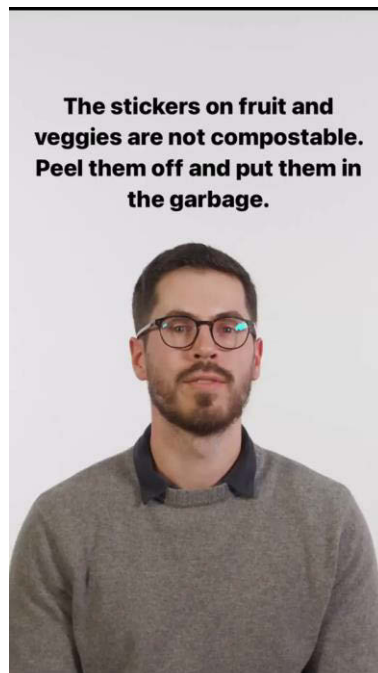
Frame 2: Interactive Form



Frame 3



Frame 4: Question from Resident



Frame 5: Answer Video



Frame 6

To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: May 6, 2021 Meeting Date: May 14, 2021

Subject: **Manager's Report**

RECOMMENDATION

That the Zero Waste Committee receive for information the report dated May 6, 2021, titled "Manager's Report".

Solid Waste Management Plan Pre-Engagement Launched

On April 27th, Metro Vancouver launched the pre-engagement phase of the regional solid waste management plan update. Through pre-engagement, staff will learn about preferred communication channels, methods of participation, information needs, and what can be done to facilitate participation among a broad range of audiences in future phases. Key audiences include governments, including Indigenous Nations, regulatory agencies, the waste and recycling industry, waste producers, industry and business associations, community, environmental and non-profit groups, and Metro Vancouver residents. Notifications included an email to a database of nearly 4,000 contacts that have expressed interest in receiving updates on Metro Vancouver solid waste topics, an email to urban Indigenous peoples and letters to member municipalities, adjacent regional districts, and Indigenous Nations with interests in the Metro Vancouver region who may be impacted by the plan. Several engagement channels are available to learn more or provide feedback at this time, including visiting the [engagement web page](#), completing a three-minute questionnaire, requesting an online meeting with staff or a consultant, requesting a meeting with the Independent Consultation and Engagement Panel, and signing up to receive future email updates on the solid waste management plan update process.

Pre-engagement closes on May 28th and the results of this engagement phase, along with a draft engagement program for the solid waste management plan update, will be brought to the Zero Waste Committee and GVS&DD Board for consideration.

A separate Indigenous engagement strategy will also be developed in collaboration with Indigenous Nations and communities.

Update on Central Surrey Construction

Construction of the new Central Surrey Recycling and Waste Centre began in summer 2020 and has been progressing on schedule. The newest facility in the Metro Vancouver recycling and waste centre network is expected to be completed at the end of 2021 and operational in early 2022. The facility will serve central and south Surrey and will receive small loads of recyclables and garbage, resulting in shorter travel times for residential and businesses customers and reductions in greenhouse gas transportation emissions.

UBC Bottom Ash Study

The CarbMin Lab at the University of British Columbia is a world leader in carbon mineralization research in industrial alkaline waste and geological materials. They are currently evaluating the potential to use a variety of locally-sourced industrial waste materials, including bottom ash, in carbon sequestration. Initial lab work has confirmed reactivity to CO₂ and the CarbMin Lab estimates a capacity of 100+ tonnes CO₂ per year based on 45,000 tonnes of bottom ash. An in-depth assessment of the mineralization potential is underway. Metro Vancouver has an active procurement process to use bottom ash as a feedstock for cement production.

Waste-to-Energy Facility Ambient Air Monitoring

On December 3 2020, the Metro Vancouver Waste-to-Energy Facility operational certificate was amended to defer the reduction in discharge limits for hydrogen chloride and sulphur dioxide from December 31, 2022 to March 3, 2025. Dispersion modelling submitted to the Ministry of Environment and Climate Change Strategy in December 2018 indicated that with current emission and operational certificate permitted levels, maximum ambient air concentrations of hydrogen chloride and sulphur dioxide are not expected to exceed ambient air criteria. The extension allows for additional ambient air monitoring to confirm concentration levels.

Metro Vancouver installed an air quality monitoring station in the northwest corner of the Waste-to-Energy Facility site, which is near the location with the highest expected concentrations identified by the dispersion modelling. The Waste-to-Energy Facility ambient monitoring station was commissioned in the fall of 2020, and continuously measures hydrogen chloride, sulphur dioxide and nitrogen oxides. Monitoring data will be collected for a minimum of two years, and the data will be used to compare ambient concentrations to both dispersion modelling results and ambient air quality objectives. Metro Vancouver is currently procuring a consultant to evaluate the data for reporting to the Ministry of Environment and Climate Change Strategy. Metro Vancouver has posted data collected from the monitoring station on [our website](#) monthly since December 2020.

Metro Vancouver's existing air quality monitoring station at Burnaby South was put in place in advance of the development of the Waste-to-Energy Facility with the goal of monitoring for any potential impacts of the Waste-to-Energy Facility on air quality. The instrumentation at the station, which already includes sulphur dioxide and nitrogen dioxide monitoring, has been upgraded with the addition of a hydrogen chloride monitor.

Data collected to date show ambient air concentrations of hydrogen chloride and sulphur dioxide are less than 5% of ambient air quality objectives, well below modelling results. Nitrogen oxide levels are within ambient air quality objectives and lower than other monitoring stations within the region. The primary contributor to ambient nitrogen oxides throughout the region is automobile exhaust. One of the tasks for the consulting study will be determining the relative contribution of the Waste-to-Energy Facility to nitrogen oxide levels in the vicinity of the Waste-to-Energy Facility.

2021 Zero Waste Committee Work Plan

The attachment to this report sets out the Committee's work plan for 2021. The status of work program elements is indicated as pending, in progress or complete. The listing is updated as needed to include new issues that arise, items requested by the Committee and changes in the schedule.

Attachment:

Zero Waste Committee 2021 Work Plan

Zero Waste Committee 2021 Work Plan

Report Date: May 6, 2021

Priorities

1 st Quarter	Status
2020 Create Memories Not Garbage Results	Complete
2020 Waste Composition Data	Complete
2020 Zero Waste Conference Results	Complete
2021 Food Scraps Campaign	Complete
2021 Think Thrice Textiles Campaign	Complete
Alternative Fuel and Recyclables Recovery Procurement Process	Complete
Contingency Disposal Contract Award	Complete
Disposal Ban Inspections Contract Award	Complete
National Zero Waste Council 2020 Accomplishments and 2021 Projects	In progress
North Shore Organics Agreement and Contract Award	Complete
Single-Use Items	In progress
Solid Waste Management Plan Consultation and Engagement Panel Update	Complete
2 nd Quarter	
2020 Disposal Ban Inspection Program Results	Pending
2020 Food Scraps Campaign Results	In progress
2020 Waste-to-Energy Facility Environmental Performance Summary	Pending
2020 Waste-to-Energy Facility Financial Summary	Pending
2021 Single Use Item Campaign	Complete
2021 Think Thrice Textiles Campaign Results	Pending
Commercial Organics Management	Pending
Extended Producer Responsibility Programs	Pending
Love Food Hate Waste	Pending
Recycling Depot Funding Strategy	Complete
Reuse and Repair Initiatives	Pending
Solid Waste Services Capital Program Expenditures Update as at December 31, 2020	Complete
United Boulevard Recycling and Waste Centre Opening	In progress
Waste-to-Energy Facility - Bottom Ash Beneficial Use Contract Award	Pending
Waste-to-Energy Facility – District Energy Business Case	Complete
3 rd Quarter	
2021 National Zero Waste Council Projects	Pending
2021 Textiles Campaign Results	Pending
2021 Zero Waste Conference Update	Pending
Adjacent Regional District Collaboration Opportunities Including Emerging Technologies	Pending
Central Surrey Recycling and Waste Centre Operations Contract Award	Pending
Illegal Dumping Data and Programs	Pending
Solid Waste Management Plan - Studies	Pending
Solid Waste Services Capital Program Expenditures Update as at April 30, 2021	Pending

4th Quarter	
2020 Solid Waste and Recycling Annual Report	Pending
2021 Abandoned Waste Campaign Results	Pending
2021 Create Memories Not Garbage Update	Pending
2021 Single-Use Item Campaign Results	Pending
2022-2026 Financial Plan – Solid Waste Services	Pending
2022 Tipping Fee Bylaw Revisions	Pending
Solid Waste Services Capital Program Expenditures Update as at August 31, 2021	Pending
Waste-to-Energy Facility - Ambient Air Quality Monitoring	Pending

To: Zero Waste Committee

From: Heather Schoemaker, General Manager, External Relations Department
Ann Rowan, Division Manager, Collaboration and Engagement

Date: April 30, 2021

Meeting Date: May 14, 2021

Subject: **National Zero Waste Council Annual Update**

The attached report titled “National Zero Waste Council Annual Update” has been considered by the Finance and Intergovernment Committee at its meeting of April 14, 2021 and is presented here to the Zero Waste committee for its information.

Attachment:

National Zero Waste Council Annual Update, dated March 10, 2021 (*orbit #44268800*)

To: Finance and Intergovernment Committee

From: Heather Schoemaker, General Manager, External Relations
Ann Rowan, Division Manager, Collaboration and Engagement, External Relations

Date: March 10, 2021 Meeting Date: April 14, 2021

Subject: **National Zero Waste Council Annual Update**

RECOMMENDATION

That the Metro Vancouver Board receive for information the report dated March 10, 2021 titled "National Zero Waste Council Annual Update."

EXECUTIVE SUMMARY

Since 2013, the National Zero Waste Council, founded by Metro Vancouver in collaboration with the Federation of Canadian Municipalities, has played an important role in the realization of Metro Vancouver's zero waste objectives as articulated in the *Integrated Solid Waste and Resource Management Plan*. A leadership initiative, this has been accomplished through contributing to Canada's transition to a circular economy by bringing together governments, businesses and NGOs to advance a waste prevention agenda that maximizes economic opportunities for the benefit of all Canadians. In 2020 and into 2021, the Council continues to advance work in preventing food waste in the supply chain and homes, was active in mobilizing the creation of the Canadian Plastics Pact that will be instrumental in creating a circular economy in plastics, and has demonstrated the viability of using recycled asphalt in paving. In addition, the Council released a seminal report that articulates the environmental and economic benefits of waste prevention in Canada – that is reducing waste at its source.

PURPOSE

To provide an update on the work of the National Zero Waste Council over the past year and to identify the work planned for 2021.

BACKGROUND

The first goal of Metro Vancouver's *Integrated Solid Waste and Resource Management Plan* is to "minimize waste generation" – an important goal but one that is challenging to accomplish at the local level because economic activity is organized using a linear model. Resources are extracted to make products and packaging that are used and then whatever is left over is considered waste. To minimize that amount of waste generated requires changes in product design, business models, and behaviour supported by harmonized policies that reduce waste at its source and support a transition to a circular, as opposed to a linear, economy.

Recognizing that zero waste is a global issue that does not recognize boundaries and that for Metro Vancouver to achieve its zero waste goals there was a need to address waste reduction by going beyond the scope of regional government and engaging other key stakeholders, such as industry and other orders of government, in 2013 Metro Vancouver founded, in collaboration with the Federation

of Canadian Municipalities, the National Zero Waste Council. The Council is a leadership initiative that promotes cross-sector collaboration in advancing waste prevention and accelerating the transition to a circular economy across Canada. The Council leverages relationships with thought-leaders and decision-makers in Canada and across the globe to be effective in identifying best practices, campaigns, policies and innovations that can be applied in Canada from the local level to the national.

The work of the Council is accomplished through working groups led by Council members and strategic initiatives and partnerships led by the Council Secretariat. A more fulsome capture of the range of activities of the National Zero Waste Council in the past year and those that will be continued in 2021 can be found in Attachment 1.

The work of the Council is also integrated into the work of Solid Waste and other services at Metro Vancouver. Activities most relevant to Metro Vancouver and its members in supporting the achievement of regional zero waste targets are described below.

NATIONAL ZERO WASTE COUNCIL UPDATE

Membership

As a leadership initiative the Council brings together representatives from the public, private and NGO sectors engaged in waste prevention and the transition to a circular economy. The strength of the Council is in “convening and connecting”. The Council has networks that extend across Canada as well as global enabling us to organize forums where ideas, information and critical learnings can be shared and work to identify pathways for positive change unfold. The Council currently has 164 members, including local governments (including the six largest metropolitan regions in Canada, businesses (ranging from multinational firms with Canadian offices to small start-ups), industry and trade associations, NGOs and community organizations. A key strength has been providing connections for the private and NGOs sectors to local governments that are required to advance waste prevention and implement circular economy initiatives.

A Management Board elected by the members of the Council provides strategic advice and direction to the staff assigned to the work of the Council and allocates the annual discretionary budget of \$120,000 to project development, communications and meeting support. The Chair of the Management Board is the Chair of Metro Vancouver’s Zero Waste Committee. In 2021, Director Malcolm Brodie stepped down after leading the Council since its creation with Director Jack Froese replacing him. As founders of the Council both Metro Vancouver and FCM have two representatives; Director Craig Hodge, as Vice-President of the Zero Waste Committee also sits on the Council’s Management Board. (For full list of members and the Management Board, see Attachment 2.)

Food Loss and Waste

Preventing food loss and waste has been a strategic priority of the Council since its inception and with the release of *A National Food Loss and Waste Strategy for Canada* in 2018, the Council has built a solid reputation among decision-makers in government, business and community sectors as a reputable source of information and analysis on this issue.

In 2020, the Council released the report *Less Food Loss and Waste, Less Packaging Waste* that studied the intersection of reducing food loss and waste throughout the food supply chain in Canada with the efforts to reduce packaging. The report established that packaging is fundamental to minimizing food waste and identified practices and policy changes that could lead to reduction of both food waste and packaging waste. Following the release of the report, the Council hosted a workshop and two webinars for the public and then organized three forums across Canada involving key actors in the food supply chain. Notes from these forums will be used to shape future work.

For the past three years, the Council has organized and managed *Love Food Hate Waste Canada* – a cross Canada collaboration and behavior change campaign designed to prevent food waste in the home. As the COVID-19 pandemic and the lives of Canadians changed, a synergy emerged between the objectives of the campaign and the interest of Canadians. The campaign offers food saving tips and strategies that help Canadians to better meal plan and use food purchased during a time that they were eating at home more. We confirmed this through a consumer insights survey that found that 94% of Canadians were motivated to reduce their food waste and many were making concerted efforts to do so.

In 2021 the Council will focus on advancing *A Food Loss and Waste Strategy for Canada*; specifically, in the advancement of policy solutions for reducing food loss and waste at a national and provincial level and importance of innovation in this space. In recognition of our cross-Canada contributions to reducing food loss and waste, the Council has been asked by Agriculture and Agri-foods Canada (AAFC) to engage in two separate and distinct ways. First, the Council has been asked to participate and to chair in the jury for AAFC's Food Waste Innovation Challenge. The second opportunity comes through being offered a seat at the Food Policy Advisory Council that is a key component in the development of the Food Policy for Canada. Both offer important opportunities to engage food, community and agriculture leaders on how we can collectively build a better food system for all Canadians in addition to providing advice to the Minister on current and emerging issues.

Canadian Plastics Pact

The Canadian Plastics Pact (CPP) is an important collaboration initiative that will accelerate a circular plastics economy for packaging in Canada. The Council has been active in the effort to mobilize leaders behind a common vision and ambitious set of goals to address plastic packaging waste at source.

The [Canada Plastics Pact](#) was formally launched on January 27, 2021. At launch, more than 40 partners were confirmed, representing diverse parts of the plastics value chain, from leading brands to waste management companies, government institutions, and NGOs. Metro Vancouver and the Council will continue their involvement as implementation partners. Together, the partners will rethink the way they design, use, and reuse plastics, thereby charting a path toward a circular economy for plastic by 2025.

Circular Cities and Regions Initiative

The Circular Cities and Regions Initiative (CCRI) is a new cross Canada pilot jointly developed by the Council, the Federation of Canadian Municipalities, the Recycling Council of Alberta, and RECYC-QUEBEC. In development for over a year, the CCRI offers a unique opportunity to accelerate local

government-led efforts in Canada towards a circular economy. The CCRI will aim to build capacity in the local government sector by equipping cities and regions with the knowledge and tools to implement local circular economy approaches. More information on the pilot as well as the application process is available at [Circular Cities and Regions Initiative](#).

Recycled Asphalt Paving (RAP) Project

The Construction, Renovation and Demolition Working Group initiated a RAP certification process with the intent to pilot the process in the Lower Mainland. Work in 2020 focused on developing an accreditation matrix to standardize and test the performance of recycled asphalt through a demonstration project, involving Lafarge and the City of Richmond, that used 40% recycled asphalt in a stretch of paving. The significant level of interest in the pilot led the Working Group to decide that their efforts would best be directed to developing a web-based toolkit to be used by parties interested in the use of RAP.

Waste Prevention: The Environmental and Economic Benefits for Canada

Waste prevention has been core to the Council's mission, however, over the past years, it has become clear that the concept is poorly understood and that the benefits of waste prevention needed to be better articulated to decision-makers in business and government. In response to this, the Council undertook a seminal report *Waste Prevention: The Environmental and Economic Benefits for Canada*. The first of its kind for Canada, it sets out 15 specific business cases for preventing waste in six key sectors of the Canadian economy.

The basis for the analysis is estimating the cross Canada environmental and economic impacts of demonstrated waste prevention actions that represent a shift away from "business as usual" and involve using new technologies, designing products differently, expanding goods-as-a-service models and finding new markets for underutilized outputs. Each case is evaluated based on its potential to reduce greenhouse gas emissions, create jobs, prevent waste and provide other benefits.

The report was released on March 10, 2021 and staff will be organizing webinars and other opportunities to share the findings of the report and to explore how waste prevention interventions can be expanded.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

The 2020 budget for the National Zero Waste Council was \$434,354, including coordination and project development funding provided by Metro Vancouver and funded from Metro Vancouver Regional District Requisitions. In addition, project-specific funding of \$209,501 was secured from project partners to advance the Council's work in the circular economy and food loss and waste.

Love Food Hate Waste Canada, a self-sustaining program of the Council funded by service fees brought in \$371,500 from its eleven partners. The funds raised from service fees directly support the development of communications and marketing campaigns, creative materials for the web, social

media, and activation initiatives and to leverage the reach of campaign ambassadors and market influencers.

CONCLUSION

The National Zero Waste Council, founded by Metro Vancouver, in collaboration with the Federation of Canadian Municipalities to assist in meeting its zero waste objectives, leverages relationships with thought-leaders and decision-makers in Canada and across the globe to be effective in identifying best practices, campaigns, policies and innovations that can be applied in Canada from the local level to the national. As a leadership initiative the Council brings together representatives from the public, private and community sectors engaged in waste prevention and the transition to a circular economy. Membership in the Council grew to 164 in 2020. This continual growth in membership from organizations across Canada reflects the recognition of the effectiveness of the Council in convening and connecting key stakeholders in discussions to identify opportunities and solutions in reducing food loss and waste as well construction and demolition waste and in creating a circular economy future for Canada, and construction, renovation and demolition waste.

Highlights in 2020 were many. In terms of food waste, the Council hosted a series of virtual forums to establish priority actions in reducing food loss and waste as well as packaging in the food supply chain in addition to expansion of the reach of the *Love Food Hate Waste Canada* campaign. In terms of accelerating Canada's transition to the circular economy, the Circular Cities and Regions Initiative was launched in collaboration with FCM and other partners. The Council was active in the development and organization of the Canada Plastics Pact; an important collaboration initiative that will accelerate a circular plastics economy for packaging in Canada. In addition, a web-based toolkit that will enable the sharing the positive results and learnings of a demonstration project that that used 40% recycled asphalt will be developed. On March 10, 2021, the Council released a ground-breaking report, *Waste Prevention: The Environmental and Economic Benefits for Canada* that analyzed the business case for 15 waste prevention interventions. The Council will be implementing an outreach and communications strategy to share the importance of waste prevention to Canadian decision-makers in government and business.

Attachments:

1. National Zero Waste Council -- 2020 Progress Report
2. National Zero Waste Council – Membership List as of February 28, 2021

References:

1. National Zero Waste Council: www.nzwc.ca
2. Love Food Hate Waste Canada: <https://lovefoodhatewaste.ca/>
3. Canadian Plastics Pact: <https://plasticspact.ca/>
4. Circular Cities and Regions Initiative: <https://canadiancircularcities.ca/Pages/default.aspx>