

RESIDENTIAL FOOD WASTE COLLECTION PILOT PROJECT



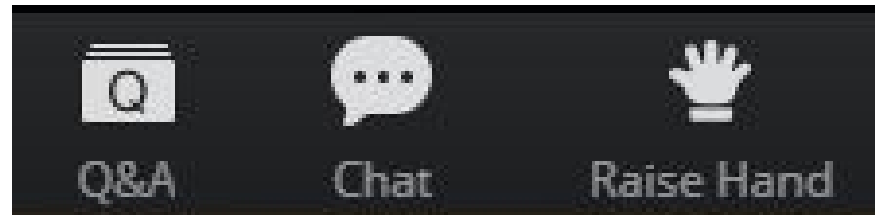
Webinars
November 24 and 25, 2020

WELCOME

- I would like to acknowledge that we are on Treaty No. 1 Territory and the traditional homeland of the Métis Nation. Our drinking water comes from Shoal Lake 40 First Nation in Treaty No. 3 Territory.
- We are here today to provide information and seek feedback related to the City of Winnipeg's residential food waste (RFW) collection pilot project.
- Much of the presentation is geared towards pilot project participants, but all Winnipeggers are welcome to attend and learn about the project.
- Our session will include:
 - o A review of the Zoom Webinar platform and protocol.
 - o An overview of Residential Food Waste Collection Pilot Project.
 - o A Q&A Session.
 - o Several "Live Poll" questions.

ZOOM WEBINAR PROTOCOL

- Respectful dialogue and participation are required.
- If you have a question during the presentation, please use the chatbox. We will gladly answer your question during the Q&A portion of the webinar.
- During the Q&A, feel free to submit questions using the chatbox or verbally by raising your hand.



Live Poll # 1

Have you previously participated in a similar online event?

- No
- Yes - I have attended small online meetings (e.g., Zoom, Microsoft Teams, Google Chat)
- Yes - I have participated in an online webinar, such as this one

Live Poll # 2

How did you hear about this webinar?

- Postcard delivered to my house
- Received an email
- Word of mouth
- Website
- Other

WHAT IS WASTE DIVERSION?

- Waste diversion is the process of reducing, reusing or recycling our waste materials instead of disposing of them in a landfill.
- Waste diversion helps combat climate change and makes our city more sustainable.
- Winnipeg's waste diversion rate is currently around 30 percent.
- Collecting the food waste of Winnipeg residents could help Winnipeg achieve a 50 percent diversion rate.



WHAT IS RESIDENTIAL FOOD WASTE?

- Residential food waste (RFW) consists of scraps from food preparation, leftovers, or food products/items that were not consumed before spoiling.
- RFW is a significant component of residential waste and produces the largest amounts of greenhouse gas.
- Diverting RFW from landfills and converting it to useable compost is an effective means of increasing Winnipeg's environmental sustainability.



WHAT IS COMPOSTING?

- Composting is a natural process of breaking down organic material, like food scraps, to create nutrient-rich, soil-like material.
- Compost benefits include:
 - o Improved soil quality and fertility.
 - o Increased water retention in soil.
 - o Less material going to the landfill.
 - o Reduced greenhouse gas emissions.



Live Poll # 3

What is your level of experience with composting?

- I have never composted
- I have composted in the past but do not currently
- I compost at home, but only during the warmer months
- I compost at home, year-round
- I use a compost collection service (such as Compost Winnipeg)
- I use a compost collection service and I compost at home
- I compost at a community garden or a friend's house

WHAT IS THE RFW COLLECTION PILOT PROJECT?

- Weekly collection of food waste from homes in five areas over the next two years.
- It accepts a wider range of materials than backyard composting.
- Food waste will be diverted from the landfill and turned into compost at the Brady Road Resource Management Facility.



Live Poll # 4

Are you a pilot project participant?

- Yes
- No
- Unsure

WHY ARE WE DOING THIS?

- RFW is the highest contributor of greenhouse gas from the residential waste we collect.
- Collecting RFW is a way for the City of Winnipeg to help satisfy both [waste diversion](#) and [climate change goals](#).
- Council directed the Public Service to implement a pilot project for RFW in 2019.
- The pilot project will help to determine residents' support for a city-wide program and provides data on participation, effectiveness and challenges.
- In 2023, Council will use the results of the pilot to decide whether a city-wide RFW collection program should be pursued.

GETTING STARTED

- Pilot project participants received the following:
 - In early August:
 - A notification letter and invitation to participate in a survey
 - In mid-September:
 - A welcome package
 - A green cart to place out weekly on collection days
 - A kitchen pail for collection of food waste in the home
 - A sample of compostable liner bags for the kitchen pail



Live Poll # 5

For RFW pilot participants: when your cart was initially delivered, you were provided with a small sample of paper-based compostable liner bags for your kitchen pail. You were then provided with a larger quantity of BPI-Certified compostable liner bags.

Based on your experience so far, please indicate your preference between the two types of liner bags:

- No preference
- Prefer the paper-based liner bags
- Prefer the BPI-Certified compostable liner bags

WHAT CAN BE COLLECTED?



For a complete list, please view the user guide on the project webpage.

COLLECTION TIPS

- Keep the cart and kitchen pail clean:
 - Line the green cart with newspaper or cardboard.
 - Line the kitchen pail with paper bags, BPI-certified compostable bags or newspaper.
 - Periodically clean the kitchen pail and green cart with warm water and soap or vinegar.
- Store your green cart away from direct sunlight.
- Store your kitchen pail inside a cupboard or in the fridge or freezer
- Green cart collection is the same as recycling and garbage cart collection:
 - Place carts out by 7 a.m.
 - Space carts at least one arm's length (one metre) from each other and other objects.
 - Bring carts back onto private property as soon as possible after collection.

Live Poll # 6

For RFW Pilot participants: Now that you have had several green cart collections, what are your first impressions of the pilot?

- Positive
- Unsure
- Negative

PILOT PROJECT ROUTES

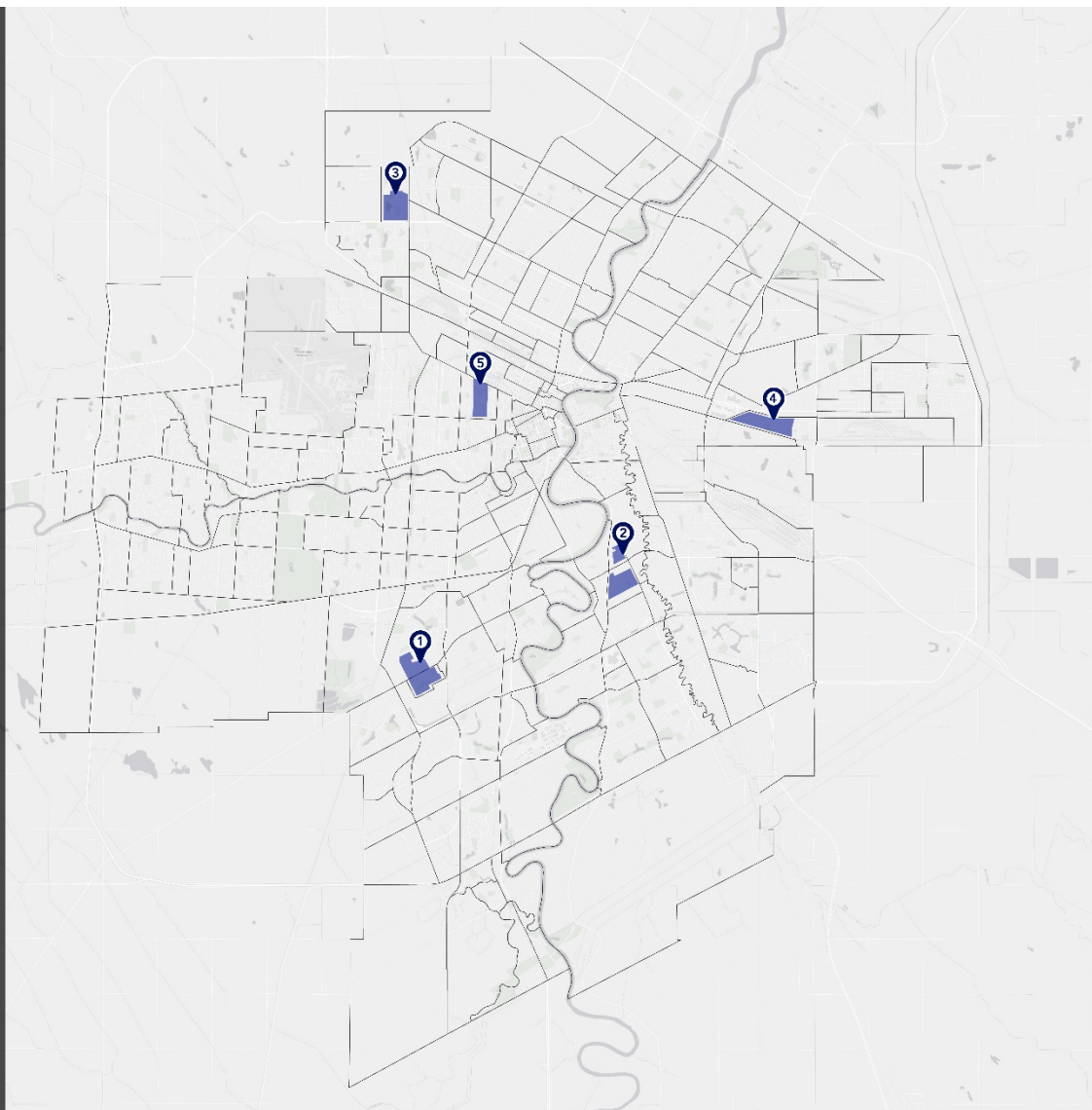
- Approximately 4,000 households across five collection routes in these areas:
 - Daniel McIntyre
 - Inkster Gardens
 - Linden Woods/Linden Ridge
 - Mission Gardens
 - St. George
- Pilot areas were selected to reflect the diversity of residents, their homes and collection style.
- Route selection was based on existing cart collection routes.



CITY OF WINNIPEG

RESIDENTIAL FOOD WASTE COLLECTION PILOT PROGRAM

- 1** NEIGHBOURHOOD: LINDEN WOODS/LINDEN RIDGE
COLLECTION DAY: MONDAY
COLLECTOR: MILLER WASTE SYSTEMS
- 2** NEIGHBOURHOOD: ST. GEORGE
COLLECTION DAY: TUESDAY
COLLECTOR: GFL ENVIRONMENTAL
- 3** NEIGHBOURHOOD: INKSTER GARDENS
COLLECTION DAY: WEDNESDAY
COLLECTOR: MILLER WASTE SYSTEMS
- 4** NEIGHBOURHOOD: MISSION GARDENS
COLLECTION DAY: THURSDAY
COLLECTOR: GFL ENVIRONMENTAL
- 5** NEIGHBOURHOOD: DANIEL McINTYRE
COLLECTION DAY: FRIDAY
COLLECTOR: MILLER WASTE SYSTEMS



Live Poll # 7

Where do you live?

- Daniel McIntyre - pilot participant
- Inkster Gardens - pilot participant
- Linden Woods/Linden Ridge - pilot participant
- Mission Gardens - pilot participant
- St. George - pilot participant
- Non-pilot participant

DATA GATHERING

- Waste audits provide detailed information on waste streams, pilot participation, and baseline data.
 - o There will be three waste audits over the course of the pilot project:
 - A baseline audit (summer 2020 - complete)
 - An intermediate audit (summer 2021)
 - A pilot completion audit (summer 2022)
- Cart inspections provide information on participation and contamination rates.
 - o Two cart inspections will be completed over the course of the pilot project:
 - An intermediate inspection (summer 2021)
 - A pilot completion inspection (summer 2022)
- Daily collection truck data will collect data about the number of green carts set out and the weights of both green cart and garbage cart materials.



PUBLIC ENGAGEMENT

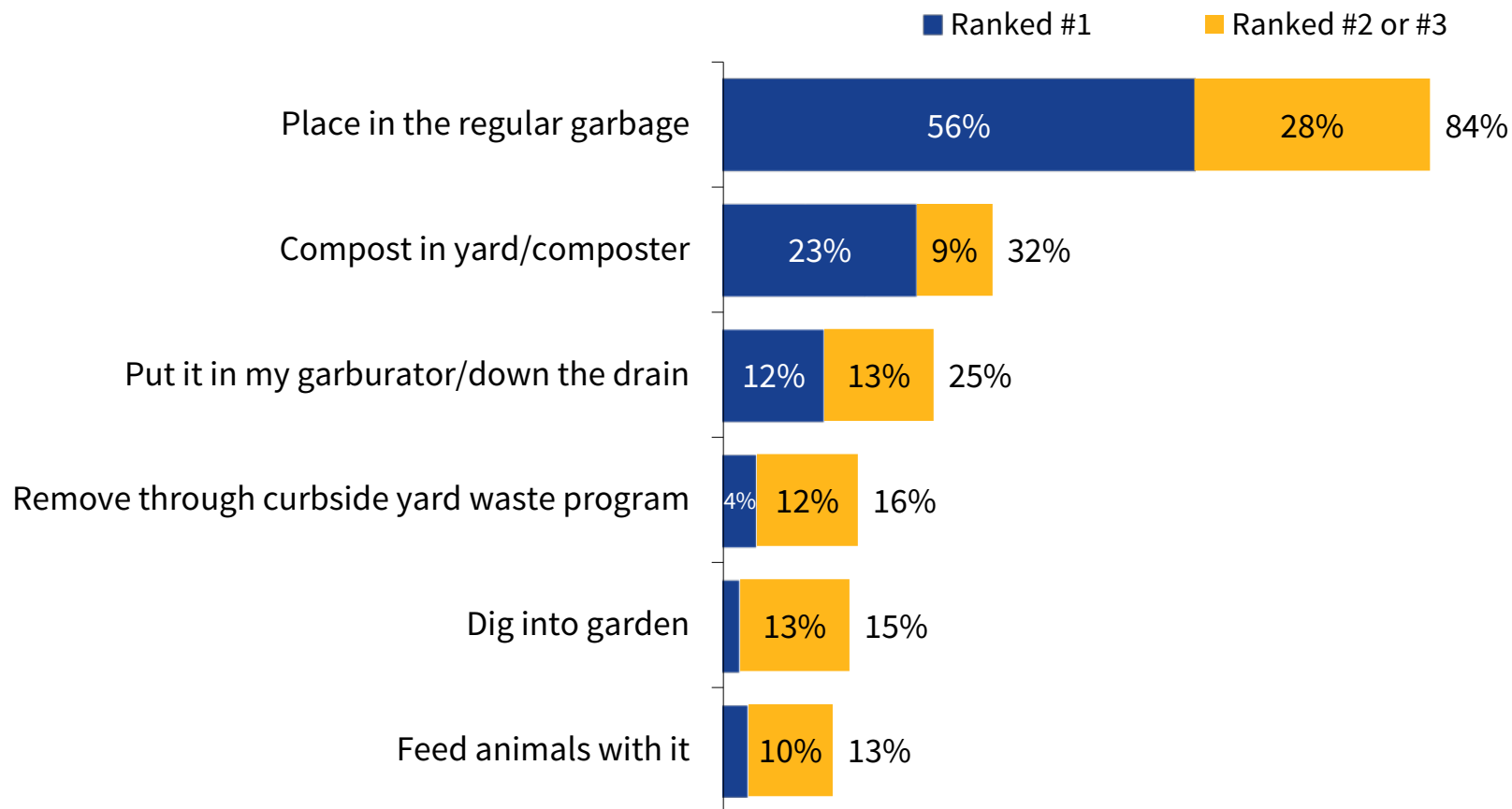
- Public engagement is an important part of this project and will play a key role in the decision-making process.
 - o **Phase 1:** (Completed in September 2020)
 - Provided baseline information for the pilot project.
 - o **Phase 2:** (Ongoing)
 - Provide detailed information to pilot participants.
 - Enable participants to provide feedback early in the pilot project.
 - Share information and solicit feedback from interested non-participants.
 - o **Phase 3:** (Will begin in early 2022)
 - Ask household participants to reflect on their experiences and provide feedback on the pilot project.

PUBLIC ENGAGEMENT

- City-wide surveys
 - o Initial survey conducted in August 2020, with a representative sample of Winnipeggers.
 - o Second survey to be conducted in May 2022.
- Participant surveys
 - o Initial survey conducted in August 2020, prior to the start of collection.
 - o Second participant survey is currently ongoing.
 - o Final participant survey to be conducted in fall 2022.
- Webinars
 - o Being held for both pilot participants and non-pilot participants interested in the project.
- Stakeholder engagement
 - o A selection of stakeholder organizations will be engaged to gain insights into RFW collection and potential barriers to participation faced by groups, such as seniors, newcomers and people with disabilities.

CITYWIDE SURVEY RESULTS

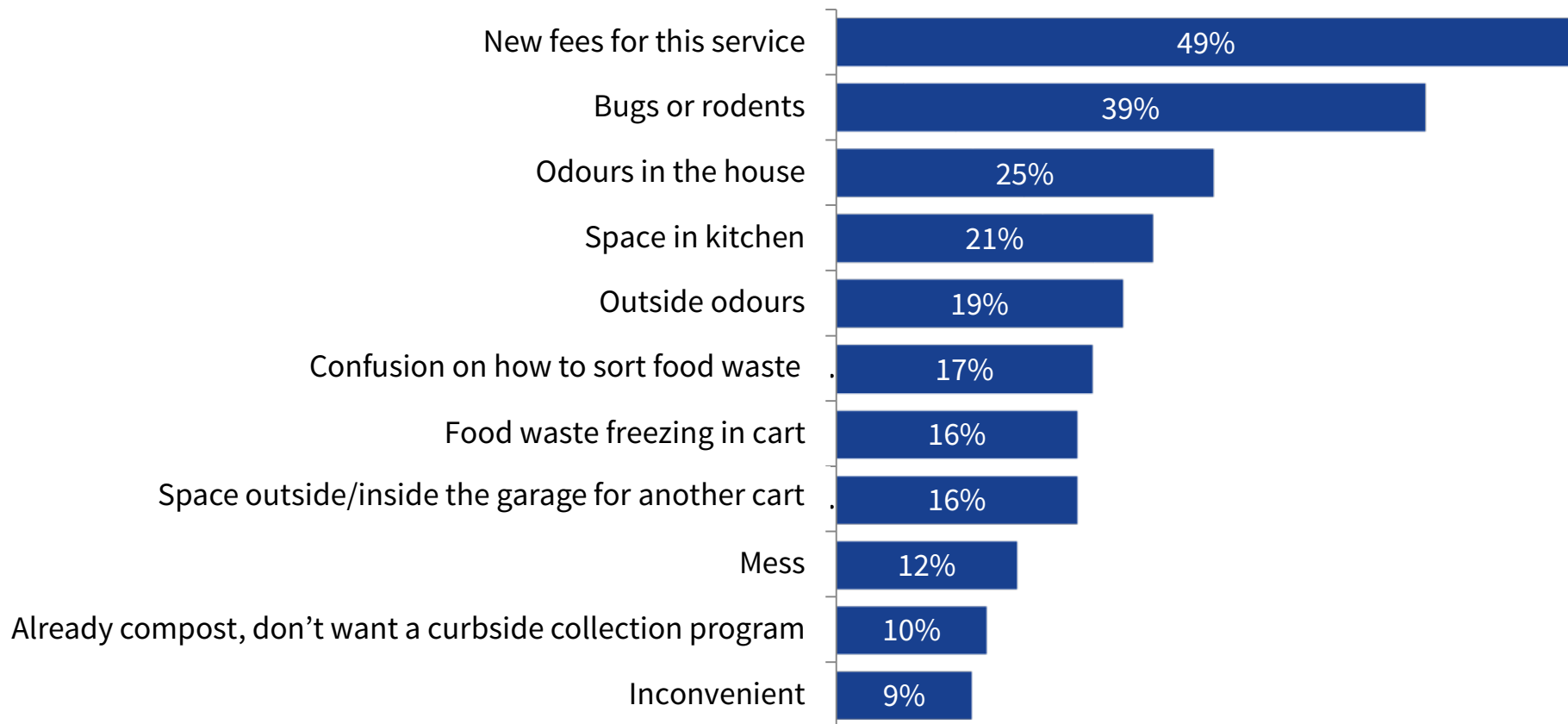
Most Winnipeggers throw their food waste in the garbage



“What do you normally do with your food waste?”

CITYWIDE SURVEY RESULTS

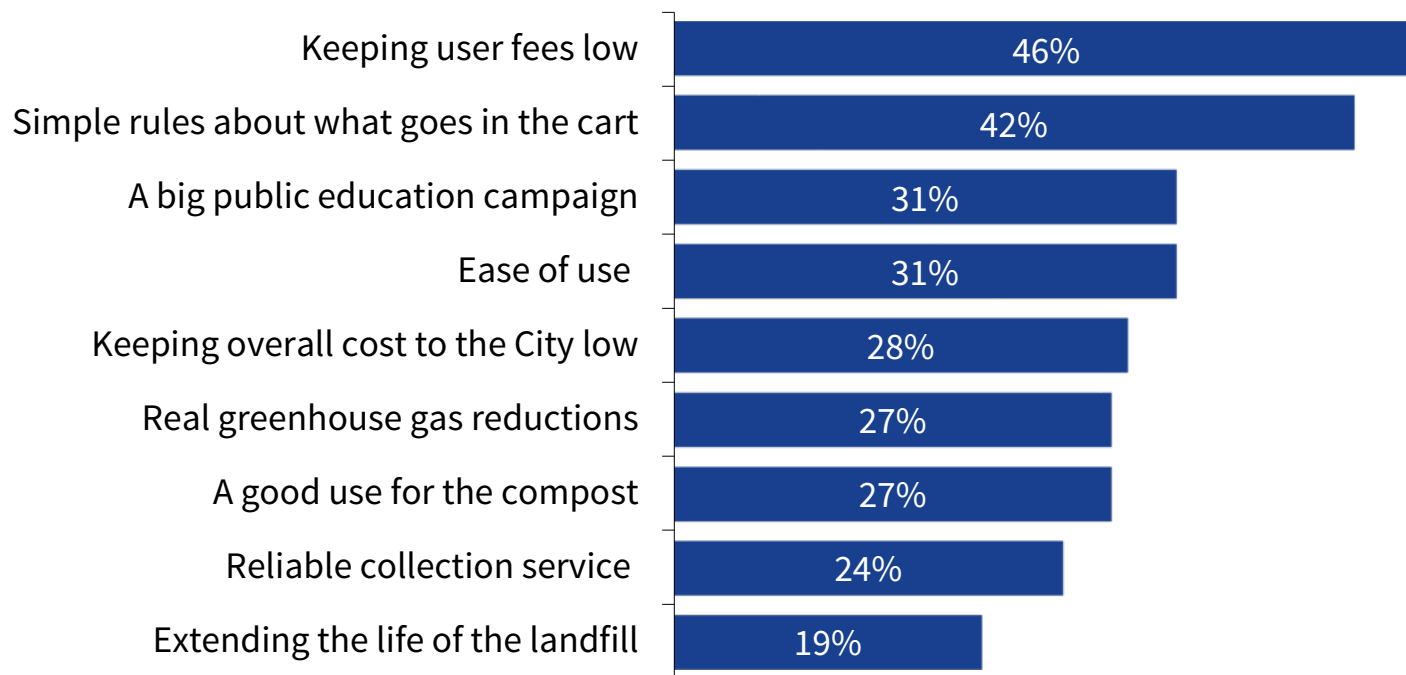
Fees, bugs and rodents are the top worries about the program



“Do you have any concerns about a food waste collection program? Please read the list below and rank your top three concerns, if you have any, in order of importance”

CITYWIDE SURVEY RESULTS

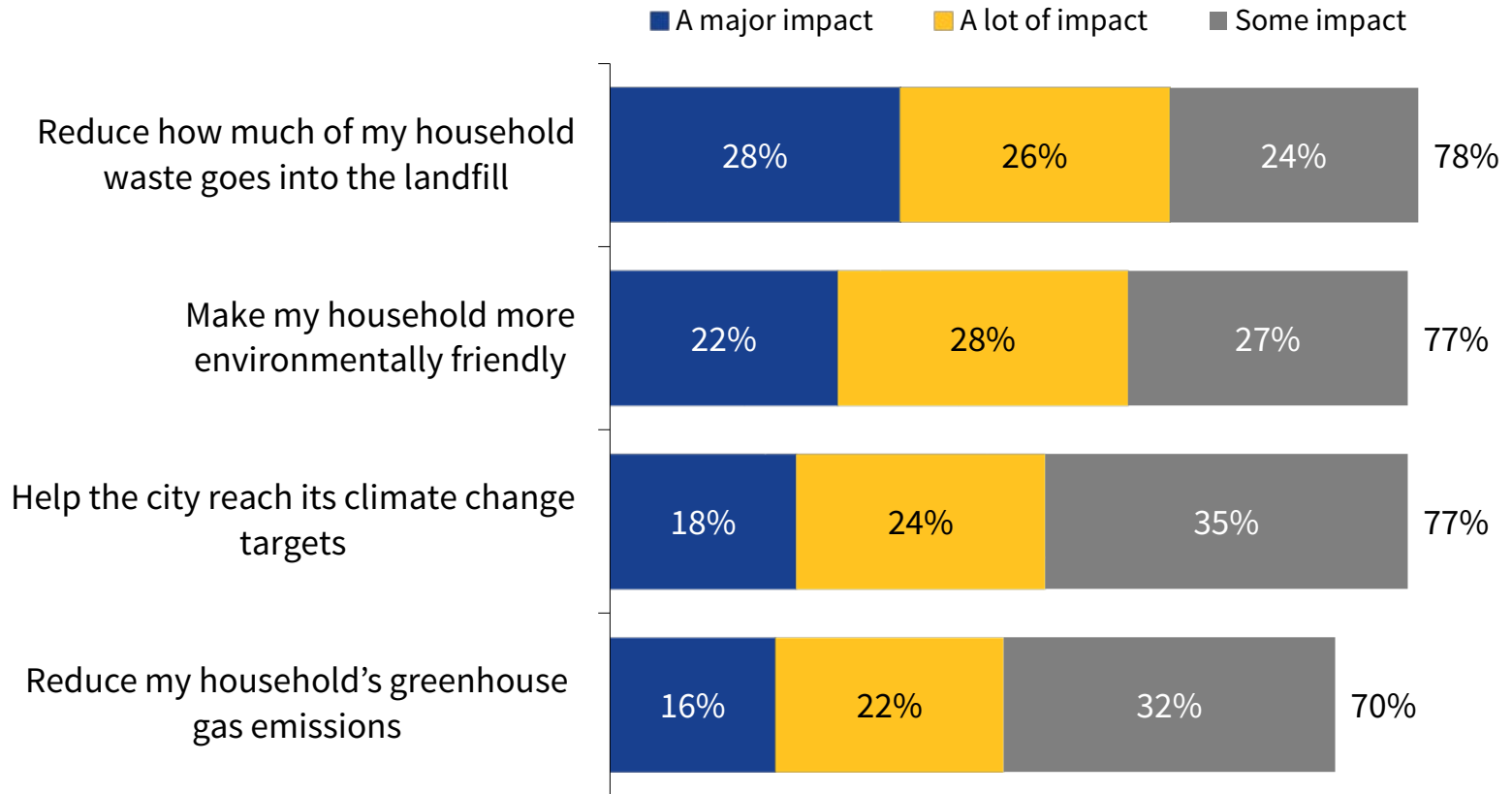
Low fees, simple rules should be the top city priorities



“There are many things the City needs to consider when designing a curbside food waste collection program. Please read the list below and rank your top three priorities in order of importance.”

PILOT PARTICIPANT RESULTS

Seven-in-ten participants say food waste collection will help reduce their household's environmental impact



"A household composting program could do many things. In your opinion, what impact would the household composting program have on each of the following?"

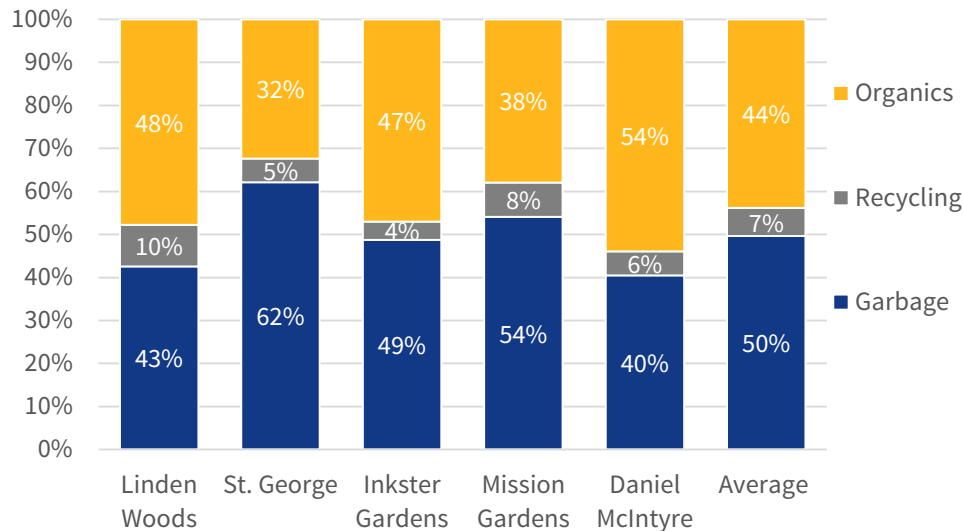
BASELINE WASTE AUDIT

- Baseline waste audit summary:
 - o Occurred in July 2020.
 - o Examined garbage and recycling streams in the RFW pilot areas.
 - o Audited 20 households from each of the five collection routes (total of 100 households).
 - o Collected waste from households, transported to the Brady Road Resource Management Facility, sorted and weighed. Waste was sorted into eight primary categories and subsequent sub-categories.
 - o Analyzed waste to determine use, potential diversion, and baseline data.

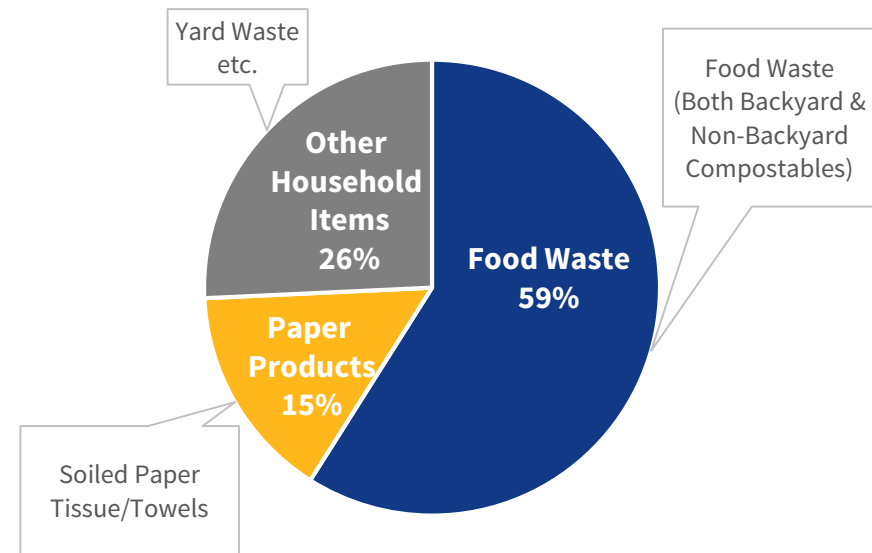


WASTE AUDIT RESULTS

Organics represent 44% of the weight composition in the garbage stream



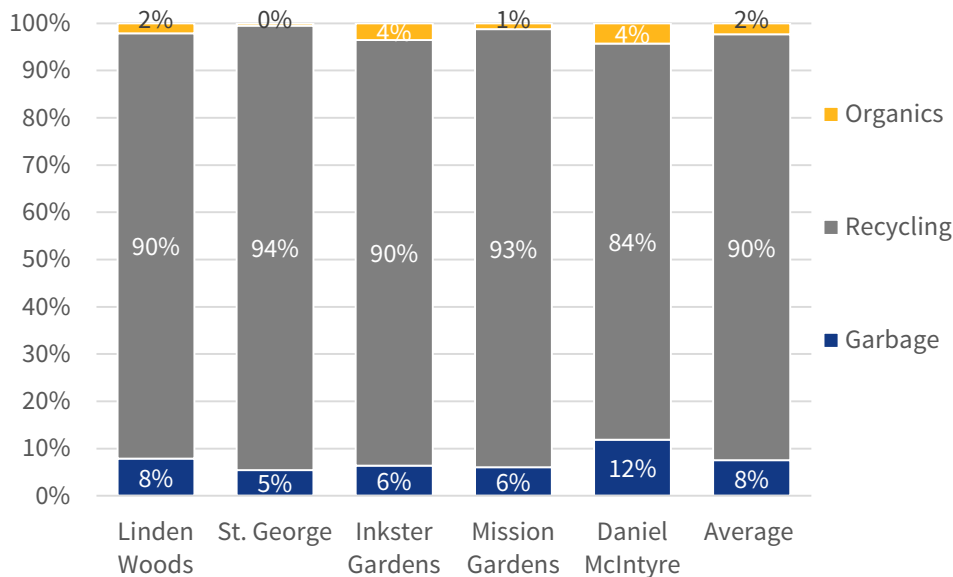
Composition of the Garbage Stream



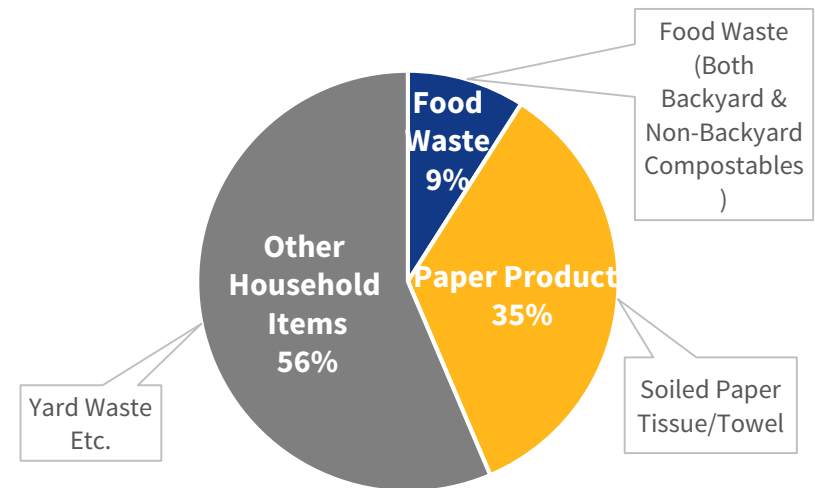
Average Breakdown of Organics in the Garbage Stream

WASTE AUDIT RESULTS

Organics represent a much smaller proportion of the weight composition in the recycling stream, but are still present



Composition of the Recycling Stream



Average Breakdown of Organics in the Recycling Stream

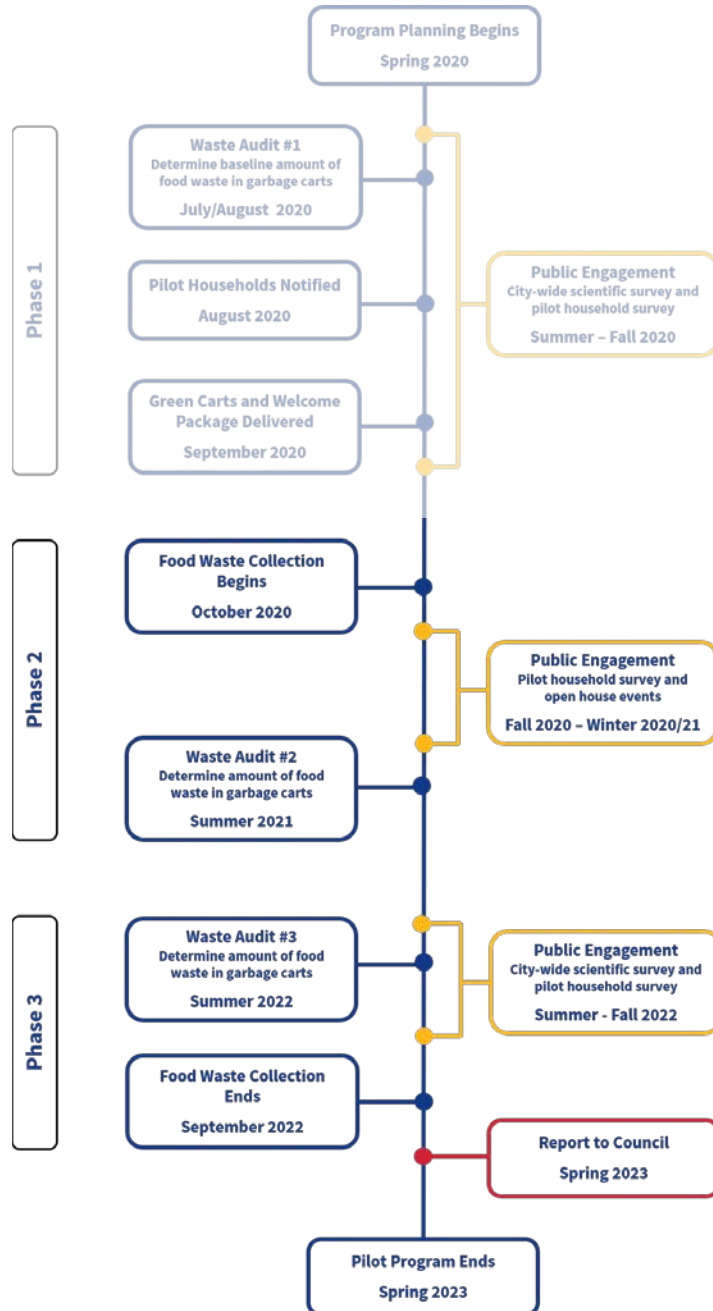
Live Poll # 8

Based on what you've seen here today, do you understand the rationale for residential food waste collection?

- Yes
- No
- Unsure

Please use the Q&A function to provide any comments on the above

NEXT STEPS



- RFW collection will continue through September 2022
- Waste audits will occur in summer of 2021 and 2022
- Surveys will be conducted in summer-fall 2022
- Report to Council will occur in spring 2023

← We are here

RESIDENTIAL FOOD WASTE COLLECTION PILOT PROJECT

Thank you – Open Q&A to follow

- *Detailed project information, such as the user guide, is available in the “Document Library” at: winnipeg.ca/foodwastecollection*
- *Sign up for project updates at : winnipeg.ca/foodwastecollection*

Please use the “Q&A” function to ask questions or make comments; or use the “raise your hand” function if you prefer to speak live.

