



FoodCycler™

On-Site Organics Diversion Program

Prepared for:
Township of Wentworth
Feb 22, 2024

Presented by:
Food Cycle Science
Farah Sheriffdeen

About Us

- Canadian company based out of Ottawa, Ontario
- 100% focused on Food Waste Diversion Solutions
- Official Canoe Procurement Group of Canada approved supplier
- Recent Awards include:
 - Finalists in Impact Canada's Food Waste Reduction Challenge
 - Selected as one of the 2021 Deloitte Fast 50 CleanTech award winners
 - #137 on Globe & Mail's Canada's Top Growing Companies for 2022

120
Municipal
Partnerships
...and counting!

Trusted Canadian Solution

From Coast to Coast to Coast



One Hundred and Twenty Canadian Municipal Partners
... and counting!

Pilot Program Recap

○ With support from Impact Canada's Food Waste Reduction Challenge, a pilot program was run in the Township of Wentworth that included 50 participating households.

○ Net cost to the Municipality was \$5,000 + shipping+ tax

○ Program ran from October 2023 to January 2024

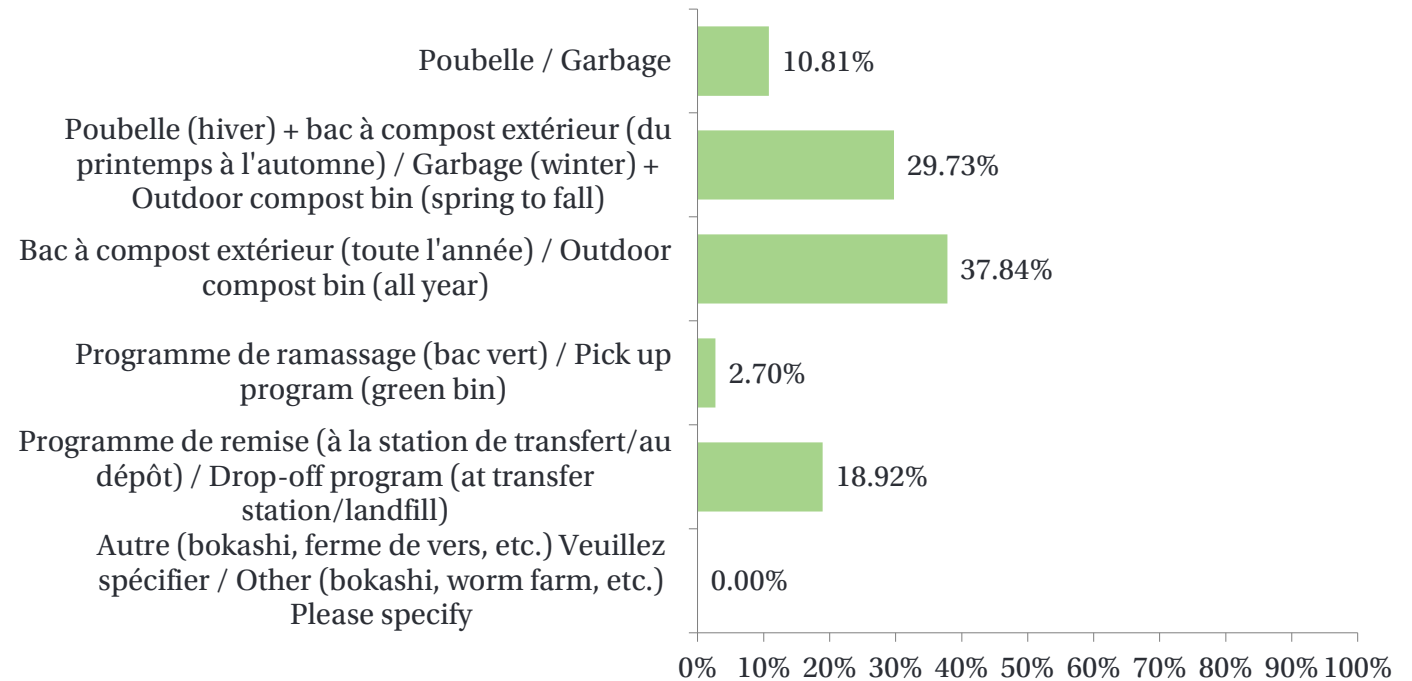
- Usage was tracked for 12 weeks to calculate total waste diversion.
- Participants completed a survey to provide data and feedback.



Pilot Program Results

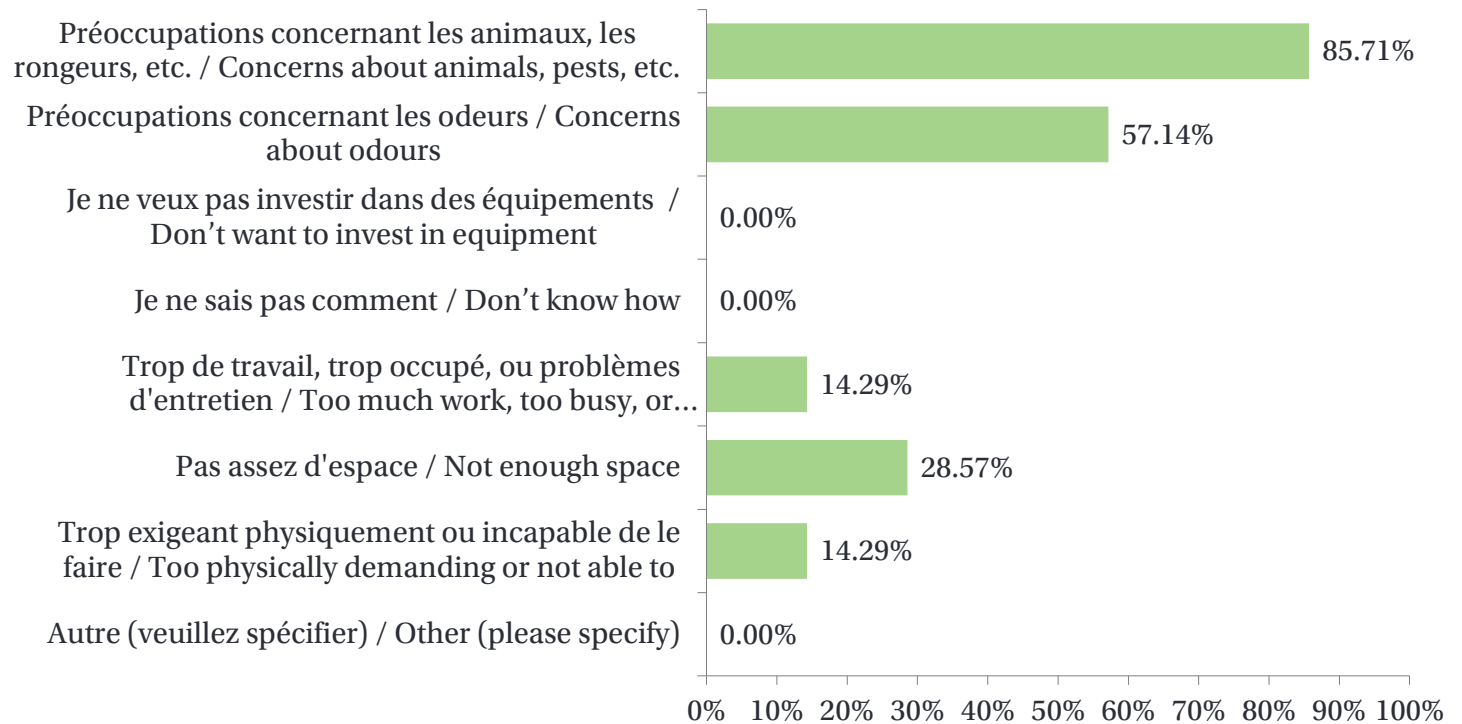
37 responses collected out of 50 participants (74%)

- How important is greenhouse gas reduction to you? 9/10
- How important is waste reduction to you? 10/10
- Where does your food waste currently go?



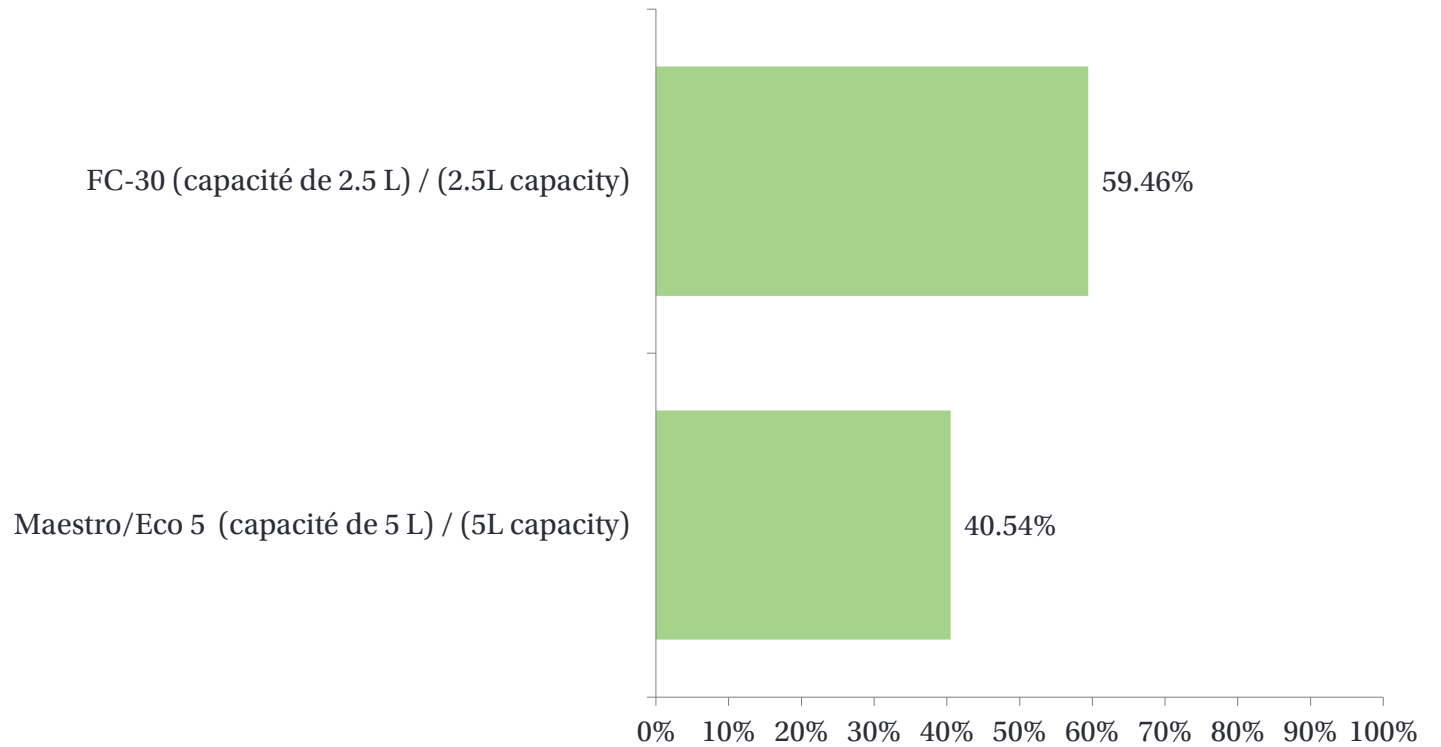
Pilot Program Results

Why don't you compost?



Pilot Program Results

Which device do you have?



Pilot Program Results

- Average of **2.49 cycles/week** for FC-30
- Average of **2.76 cycles/week** for Maestro/Eco 5
 - Equivalent to **~193.3 kg/year/household**
 - Total of **9.6 metric tonnes (MT)** of food waste diverted from landfill/year from 50 FoodCyclers in use



Pilot Program Results

50 FoodCyclers in the municipality will divert **12.5 MT CO₂ equivalents** per year, the equivalent of sequestering carbon from 14.9 acres of forest



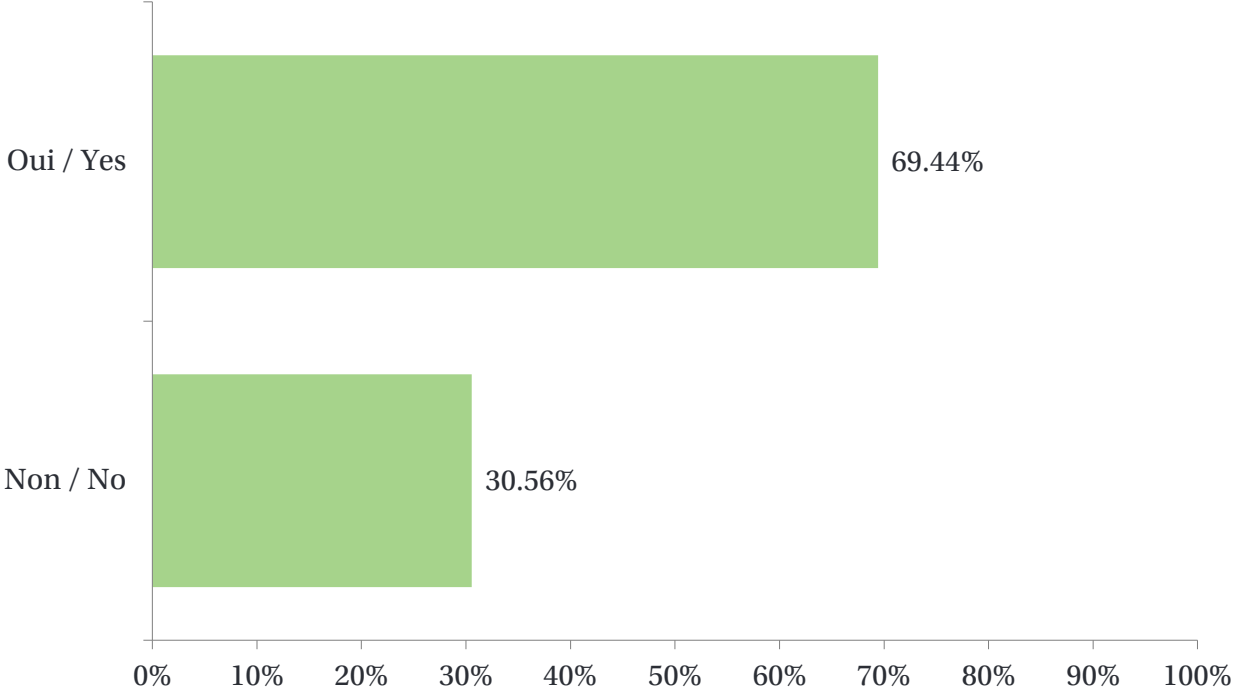
Pilot Program Results

Residents Reported generating 0.32 fewer standard garbage bags per week, a reduction of 16.6 garbage bags per household per year being trucked to local landfills!



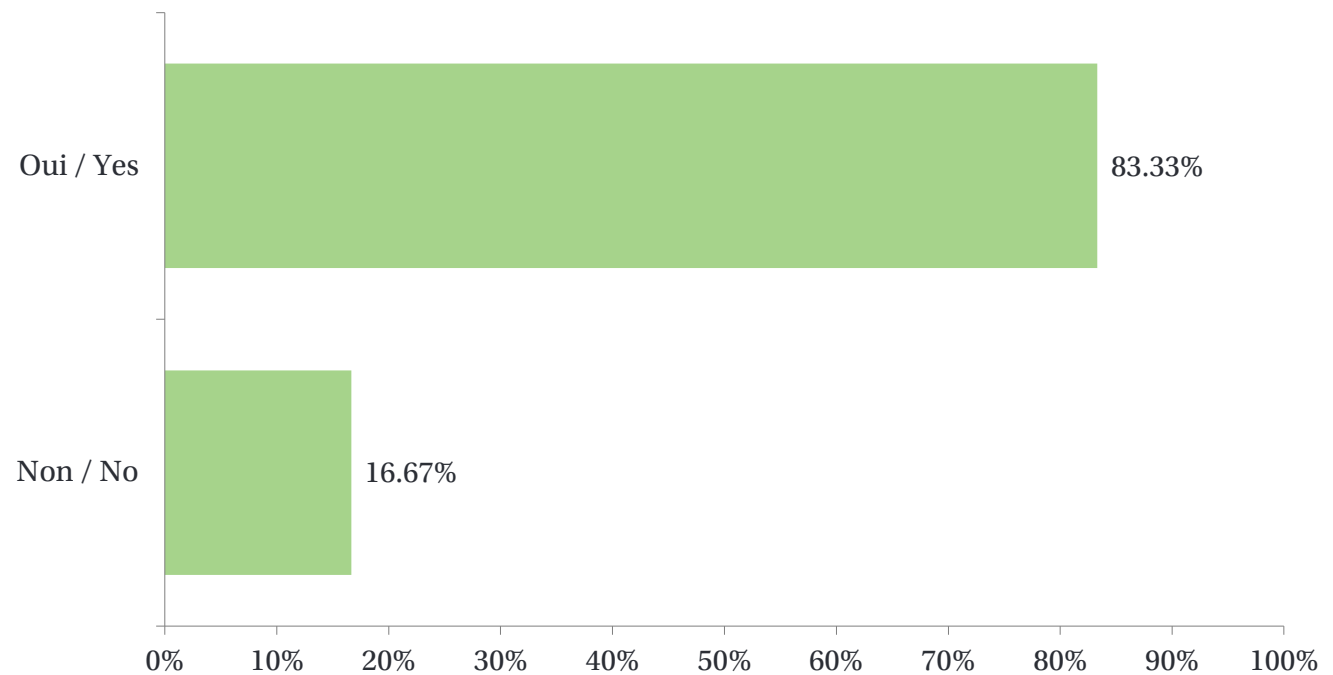
Pilot Program Results

Did increased awareness of food waste motivate you to waste less food?



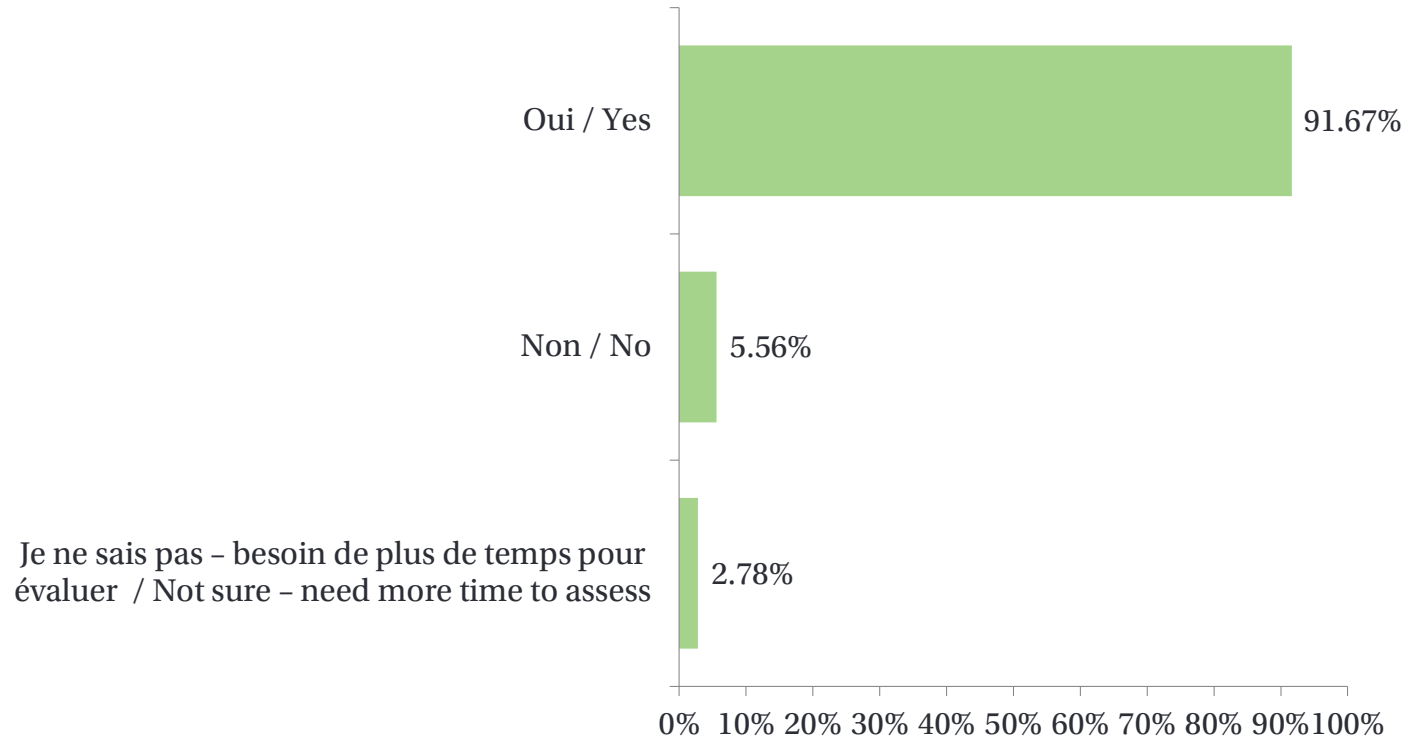
Pilot Program Results

If the municipality continued to offer a FoodCycler to residents at no or low cost as part of a diversion program, do you think your friends / neighbours in the community would participate?



Pilot Program Results

Would you recommend the FoodCycler to others?

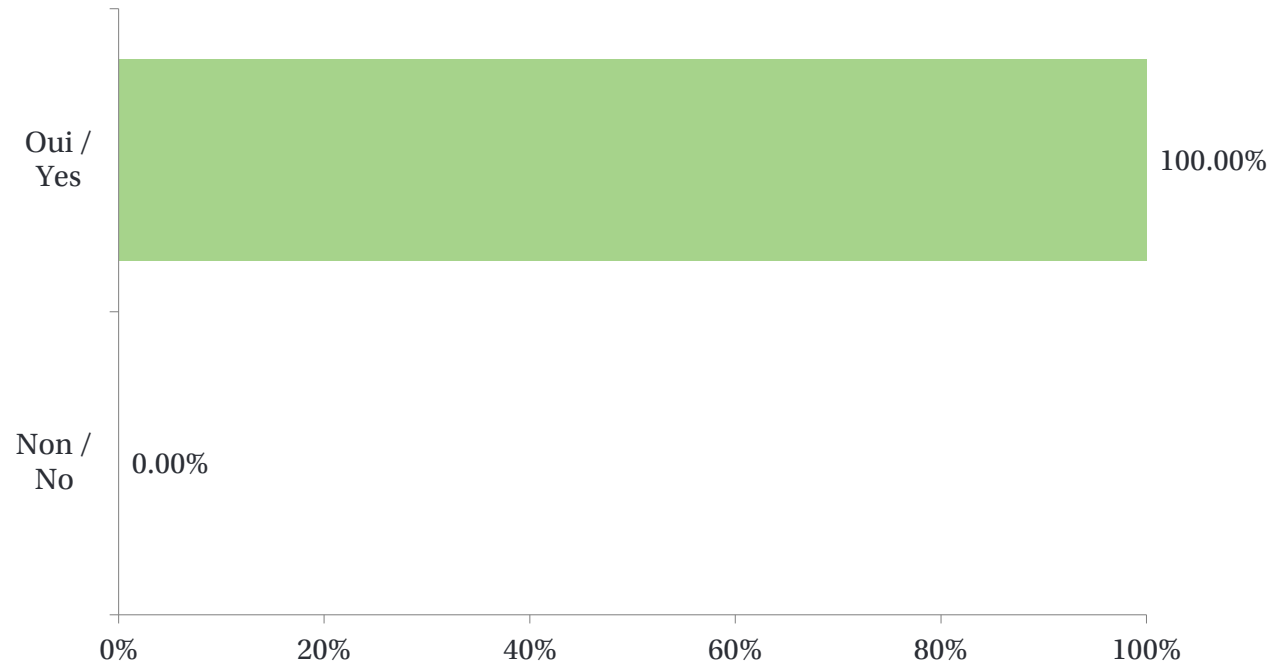


"Have already convinced a bunch of friends and family to buy one!!"

"J'en parle a tout le monde, il y a un de mes ami, qui en a acheter un."

Pilot Program Results

Will you continue using the FoodCycler after this pilot?



"The Food Cycler has been great. We have loved having it. I did not put any animal products in the Food Cycler (with the exception of eggshells). As I mentioned earlier, I would only use the compost outdoors going forward."

"We also have an earlier version of this FoodCycler at our other home. Happy to say the new version is very quiet compared to the original version."

Pilot Program Results

Please rate the overall pilot project experience out of 5 stars.

Average rating: 4.58/5 Stars



- 1 Star = 3%
- 2 Stars = 0%
- 3 Stars = 8.3%
- 4 Stars = 13.8%
- 5 Stars = 75%

"The FoodCycler is a very efficient, clean , quiet and easy to use device. The design esthetic is excellent and makes it a smart addition to any kitchen."

"Really happy to recycle in this program!"

"Good program. Happy with the product!"

"Très performant, j'adore!"

Pilot Participant Comments

“S’assurer d’avoir des filtres accessibles au bureau municipal”

“Plus de publicité et un meilleur prix d'achat.”

“We like it a lot. Should have ordered the larger one. Carbon pellets in filter do not last long.”

“I think the cost of the food cyclor may be an issue for some people in the municipality.”



Program Recap

Recap

- **9.6 MT** of food waste diverted from landfill/year from the 50 FoodCyclers in the pilot program
- Residents reported a **0.32 bag reduction per week** which equals **16.6 bags/household/per year** of food waste diverted from landfills.
- **100%** of participants will continue using the FoodCycler



Scaling Real Change

Nelson, British Columbia (5000 homes)

Citywide Pre-treated Organics Program program including:

- Free bulk carbon refill station in local Safeway grocery store
- Full warranty and local repair program
- Convenient, animal-proof soil amendment drop off locations
- Accessories sold by local businesses
- E-waste recycling programs established locally
- Resident education – guides, information sessions, and how-to videos



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British Columbia

B.C. community expands home composting pilot project to divert more food waste from landfills

Next Steps

Next Steps

- Life Cycle Analysis
 - Our new Emissions Calculator Tool is available at no extra cost to our implementation partners
- New Technology
 - In addition to the two models currently available to municipal residents we are constantly improving our designs and will be adding a new model in 2024!
- Impact Canada AAFC Funding – First right of refusal
- Accept this presentation as information and refer staff to discuss next steps:
 - Explore either an expanded program or comprehensive municipal organics program designed for you by Food Cycle Science





Thank you!
Any Questions?

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