

# Remote Communities Composting Pilot



# Solid Waste Management Plan

## SWMP Guiding Principles:

- Solid waste is a resource
- Consumption set at ecologically sustainable levels
- Focus on 5R's (zero waste)
- Strive towards zero pollution
- Empower individuals & firms to make environmentally responsible choices re: resource consumption and waste generation through education and financial incentives
- Develop socially acceptable & cost effective waste reduction policies & strategies through fulsome public consultation

# Food Waste

Unavoidable and avoidable food waste

Food production globally = 50% not eaten

Distributed in Canada = 30% wasted

Residential food waste = 60% is avoidable

In Canada = \$49 billion food sent to landfill

Factor in lost resources = \$100+ billion



Canadian households' throw away ~ \$1,100 in food annually

National Zero Waste Council

# Love Food Hate Waste (LFHW) Canada

## Federal Government Action

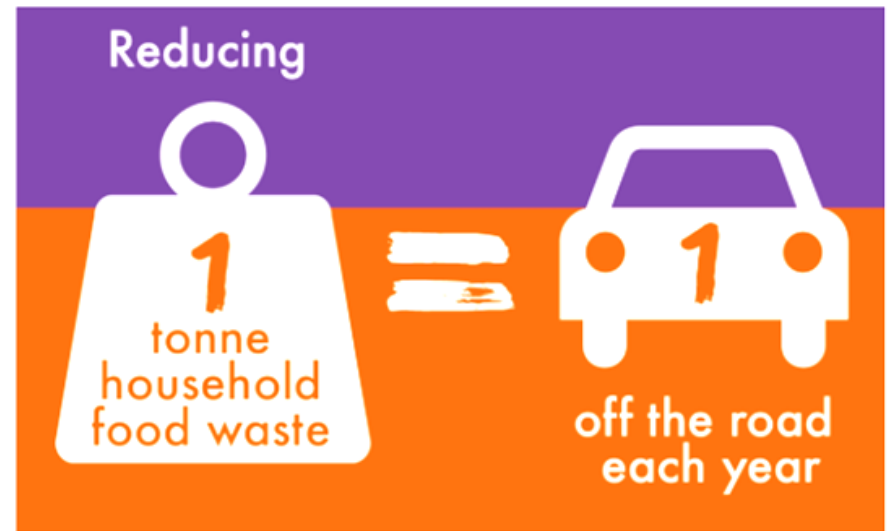
CSWM Partnership since 2018

Based on UK program = 21% reduction in food waste within 5 yrs

### Environmental Toll

Wasting food means we are wasting the resources used to grow, produce and distribute that food to consumers. Getting food from farm to table, and then managing or disposing of food as waste, also has a significant carbon footprint – contributing to Canada’s greenhouse gas emissions. Canada’s 2.2 million tonnes of avoidable household food waste is equivalent to 9.8 million tonnes of CO<sub>2</sub> and 2.1 million cars on the road!

Diverting food waste to composting is better than sending it to a landfill, but preventing food from being wasted in the first place is an even better way to lessen our impact on the environment. Every tonne of household food waste that is avoided is the equivalent of taking one car off the road each year.



# Village of Tahsis

## Goals:

- Food Sustainability
- Yard Waste Solution
- Convenience

## Barriers:

- Bear issues
- Access to landfill  
(some don't drive)



# Klahoose FN, Cortes Island

## Goals:

- Food Sustainability
- Increased Diversion
- Roll out Curbside

## Barriers:

- Logistics
- Participation
- Funding



08 | 30 | 2021

## About the Composting & Recycling Program

The community produces over 70 bags of garbage a week, which go straight to the landfill. You can help reduce the landfill load by recycling and composting. Recycling reduces garbage by redirecting waste that can be reprocessed and made into new materials. Household kitchen scraps can be turned into beautiful compost to feed the community garden and produce delicious food right here in the community!

Recycling and compost are picked up every week from the bottom of your driveway! All you need to do is collect your fruit and vegetable scraps, coffee grounds, tea bags, and eggshells in the provided compost bucket, and rinse and sort your recycling into the correct reusable recycling bag. And from now until the end of summer you can collect raffle tickets every time you put your recycling and compost out for collection! You can help your community stay clean and beautiful, reduce pollution, and win great prizes!



## Composting Tips & Tricks

- Keep a small compost container on your kitchen counter for easy disposal of daily food scraps and once it is full empty it into your large compost collection bucket for pick-up.
- Keep your compost bucket in a safe place with the lid firmly shut to keep animals out and the smell in.

**Contact us** with questions or concerns, and to request any replacement recycling bags, compost buckets, or adhesive recycling labels!

Email [mayabuckner@klahoose.org](mailto:mayabuckner@klahoose.org) or call 250 208 7977

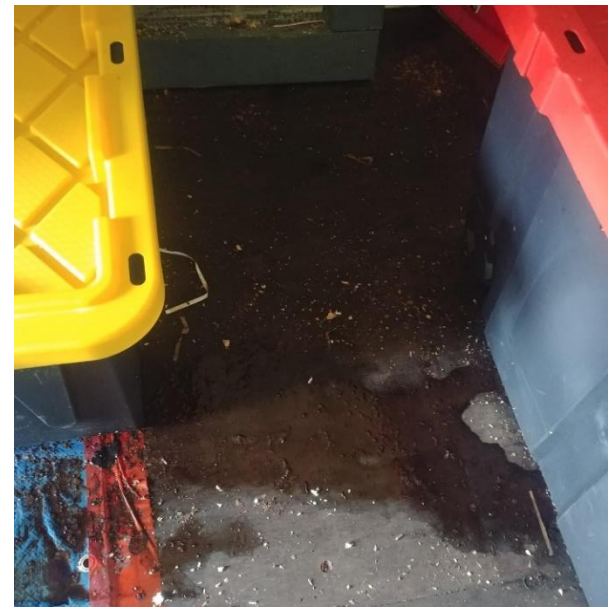


KLAHOOSE FIRST NATION  
Waste Management



# Major Hurdles

- ✘ COVID
- ✘ Technology preference
- ✘ Lack of oversight resulting in contamination
- ✘ Condensation in the sea can
- ✘ Liquid production
- ✘ Financial viability considerations
  - Low Participation + population
  - Transportation costs
  - Labour costs
  - Economic considerations
- ✘ Not able to compost Tahsis yard waste
- ✘ Not addressing issues of food waste



# Composting Pilot Summary

Volumes, Technology, Participation and Viability

- Volume = 1/2 National average
- Joracan performance = A+
  - ✓ Bear proof
  - ✓ Composts everything
  - ✓ Easy to troubleshoot
  - ✓ No odor
- Low Participation (3 – 17.5 %)
- Not a solution for Yard Waste
  - ✗ Food waste : Yard Waste (10 : 1)
- Small amount of organic output
  - ✗ Food waste : Organic output (30 : 1)
- Viability - Unknowns (Livestock feed & On-Site composters)



For a full list of what goes in and what stays out, visit:  
[www.cswm.ca/organiccomposting](http://www.cswm.ca/organiccomposting)





# Backyard Composting

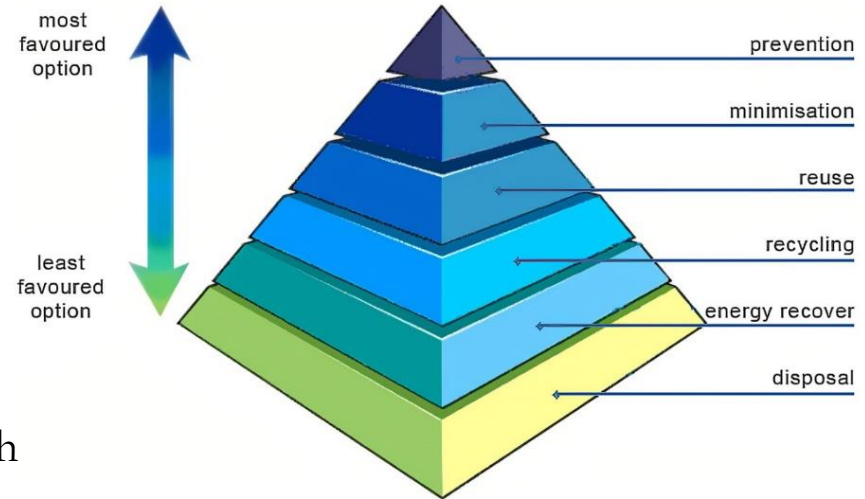
## Bokashi & Tumbler

- No capital infrastructure
- No labour costs
- No transport/collection costs
- Reduced GHG emissions
- One time cost to resident
- Food sustainability
- More mindful of waste



# Recommendations

1. Encourage – Food waste prevention (LFHW)
2. Collaborate – w/existing organizations & NFP
3. Support – w/ workshops & mobile education
4. Promote – back yard composting – rebate
5. Guide – Jurisdictions w/ goal oriented approach



- Education & Engagement tools to reduce waste
- Lessen Financial impact & Reduce capital costs
- Backyard composting = Reduced GHG emissions from transport

# WASTING FOOD FEEDS CLIMATE CHANGE

It's time for action - small changes make a huge difference to our planet

## Questions?

Thank you!