

**2019:  
Solid Waste  
Management  
Plan Goals**



Reduce the volume of solid waste produced by the community



Divert as much material as possible from the residual waste stream



Eliminate inappropriate waste disposal on LNIB lands



Reduce the financial burden of solid waste management on LNIB

## 2019: Summary of Findings

Solid waste collection and disposal services cost LNIB **\$30,000 per year**, and is increasing. Currently **members do not pay..**

The communal garbage bins are problematic, and the **constant repairs and replacements** cost LNIB.

Without a community-wide compost program LNIB **unnecessarily pays** to dispose of compostable materials.

Illegal dumping continues to be a problem, and the associated cleanup **costs and effort are significant.**

There was some support for a new **annual user fee**, especially if it means upgrading the services provided.

2020:  
New project to  
further investigate  
recommendations



Cost to upgrade our garbage bins and implement home curbside garbage collection



New strategies to combat illegal dumping



How we could start a community-wide composting program



Educate and engage with community members on these potential changes

## Residual Waste (Garbage): What We Found

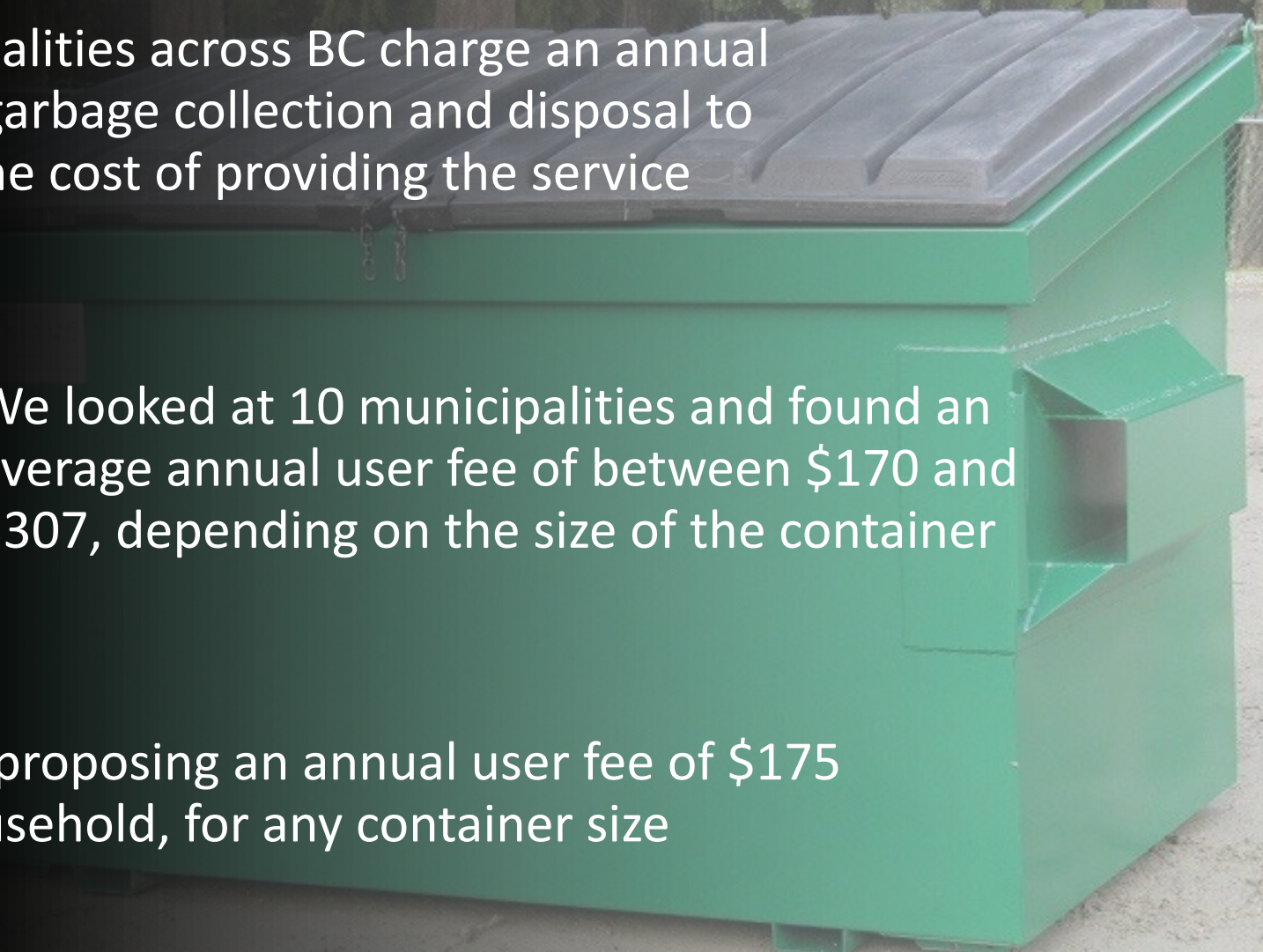
It will cost about 70% LESS to implement residential curbside collection than to upgrade all communal bins to a new steel model.

We could still upgrade the bins at public and administration buildings (e.g. band office, school, community centre, etc.)



These upgrades would cost approximately \$30,000 - \$40,000

Proposed annual user fee would be in line with other jurisdictions and help make the upgrades and continue providing high-quality service to our members.

# Residual Waste (Garbage): Annual User Fee



Municipalities across BC charge an annual fee for garbage collection and disposal to offset the cost of providing the service



We looked at 10 municipalities and found an average annual user fee of between \$170 and \$307, depending on the size of the container



LNIB is proposing an annual user fee of \$175 per household, for any container size

# Illegal Dumping: Negative Impacts



- Environmental damage, including groundwater pollution
- Public health and safety issues
- Social stigma and people's enjoyment of natural spaces
- Significant financial and human resources to monitor and clean up
- Enforcement challenges

# Illegal Dumping: Did you know?

Much of what is illegally dumped can be recycled at the Eco-Depot

FOR FREE!

Like refrigerators, freezers, air conditioners, dryers, ovens, dishwashers, paint, tires, furniture and mattresses, used oil, batteries, propane tanks, small appliances, etc.



# Illegal Dumping Mitigation Strategy: Gates



- Control access to certain areas with steel gates
- Members who require access can request the key or lock code from LNIB
- Will also help combat poaching, an issue in some areas



# Illegal Dumping Mitigation Strategies: Other Tools

- Wildlife or trail cameras to monitor who accesses the dump sites
- New LNIB Enforcement Law that imposes fines or other penalties
- Reporting tool(s), like a web application or dedicated phone number
- **NOTE:** must adhere to freedom of information and privacy laws





# Composting: Why Should We Do It?




- Approximately 30% of our household trash is compostable
- LNIB pays unnecessarily to dispose of material that could otherwise be used to enrich our soil and grow food for our community
- Improper disposal of compostable matter produces greenhouse gases such as methane
- Access to locally secure, healthy food is an important factor in the health and wellness of our members'

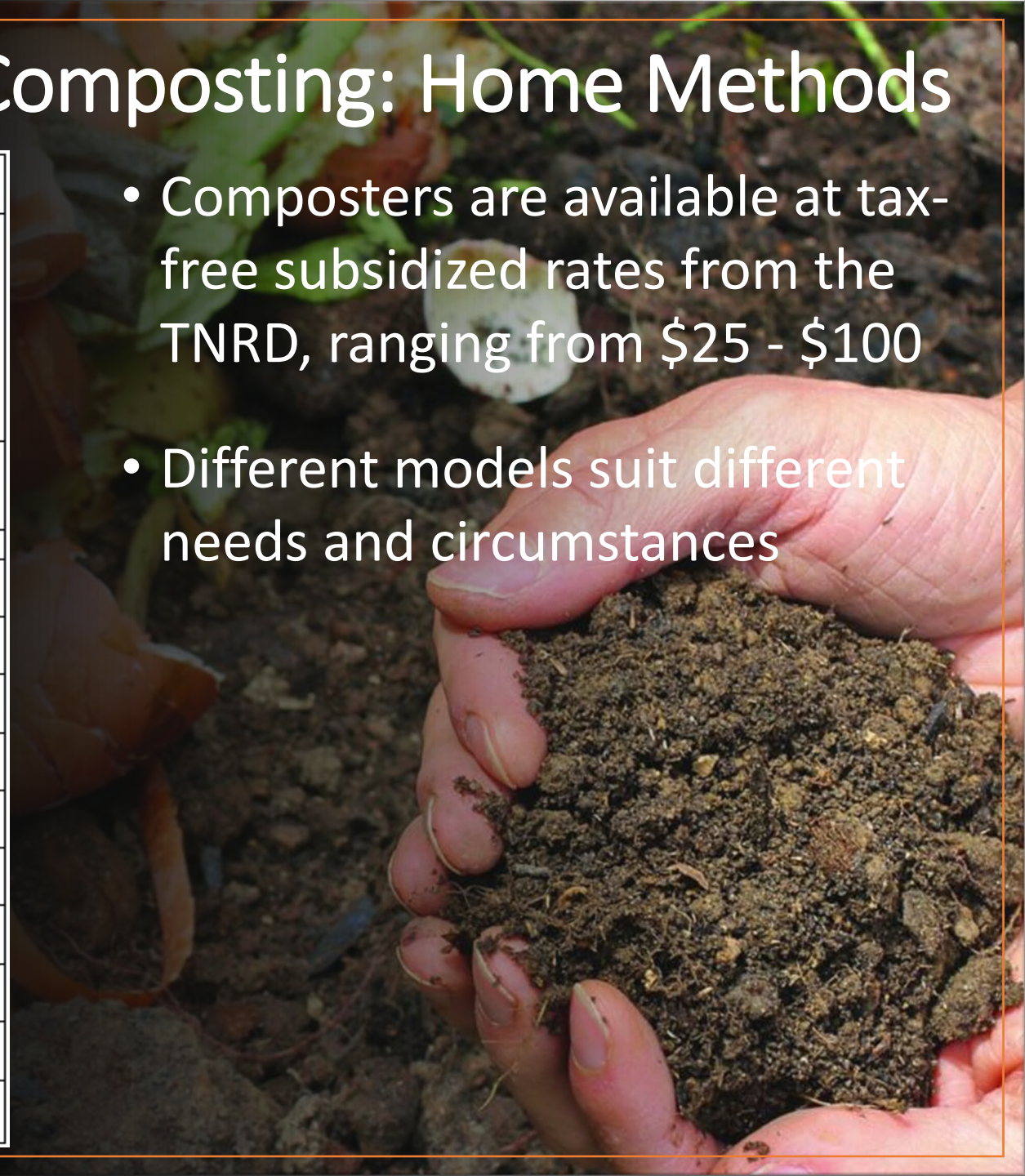




# Composting: Home Methods

- Composters are available at tax-free subsidized rates from the TNRD, ranging from \$25 - \$100
- Different models suit different needs and circumstances

	Backyard Composter	Worm Composter	Green Cone Digester
			
<b>Accepted Materials</b>	<b>\$25 (subsidized rate)</b>	<b>\$50 (subsidized rate) + cost of Red Wiggler Worms</b>	<b>\$100 (subsidized rate)</b>
<b>Garden Waste</b>	✓	✗	✗
<b>Leaves</b>	✓	✓	✗
<b>Grass Clippings (in moderation)</b>	✓	✗	✗
<b>Fruit &amp; Vegetables</b>	✓	✓	✓
<b>Citrus</b>	✓	✗	✓
<b>Bread &amp; Grains</b>	✗	✓	✓
<b>Cooked Food Scraps &amp; Sauces</b>	✗	✗	✓
<b>Meat &amp; Bones</b>	✗	✗	✓
<b>Dairy</b>	✗	✗	✓
<b>Pet Waste</b>	✗	✗	✓



# Composting: Community-Wide Program

We are looking at installing compost facilities in a few locations around the community (size and type to be decided), at:



- Shulus
- Rocky Pines
- Springs
- Zoht IR 4
- Joeyaska IR 2

**What do you think? Would you use one in your neighborhood?**



Since early  
2019, we have  
been looking for  
ways to improve  
all aspects of  
our solid waste  
management

## Conclusion

Costs are unsustainable. An annual user fee will help us make important improvements for users, and allow LNIB to continue offering solid waste services.

We must consider new strategies for combating illegal dumping.

Composting is an important element of good solid waste management. We encourage all members to learn more and participate in composting.

Above all, let us know what you think of these proposed changes. Tell us your ideas for how we might improve our system for everyone!