



City of
Kelowna

Food Waste Diversion – Consultation Update

Utility Services | September 9, 2024

Agenda

- ▶ Overview
- ▶ RDCO Curbside Food Waste Collection Consultation - Phase 2
- ▶ City of Kelowna Context

RDCO Curbside Food Waste Collection Consultation - Phase 2

- ▶ Cynthia Coates,
 - ▶ Supervisor, Solid Waste Services
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Curbside Food Waste Collection

City of Kelowna Council

Sept 9, 2024

1450 K.L.O. Road
Kelowna, BC, V1W 3Z4
rdco.com



Agenda

- Background
- Regional engagement results
- What we heard from – regional results
- What we heard – community specific results
- Preliminary service model
- Next steps

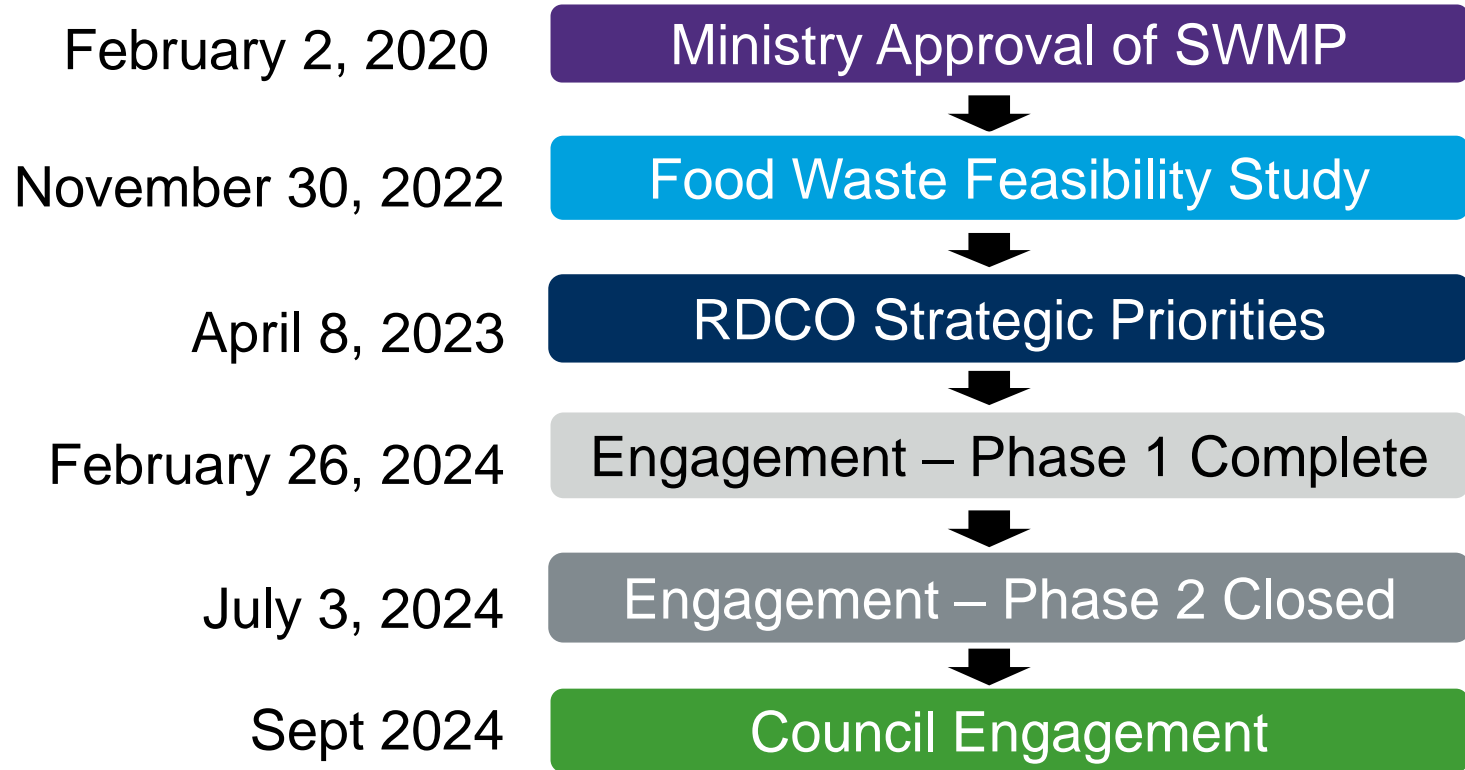


Purpose

- To provide Council with food waste engagement results to date
- Give Council an opportunity to provide additional feedback



Timeline



Why now?



Multiple Organics Processing facilities now exist in and adjacent to the RDCO



Organic Waste is our next 'big chunk' of divertible material



Board strategic priority and helps communities meet climate action targets

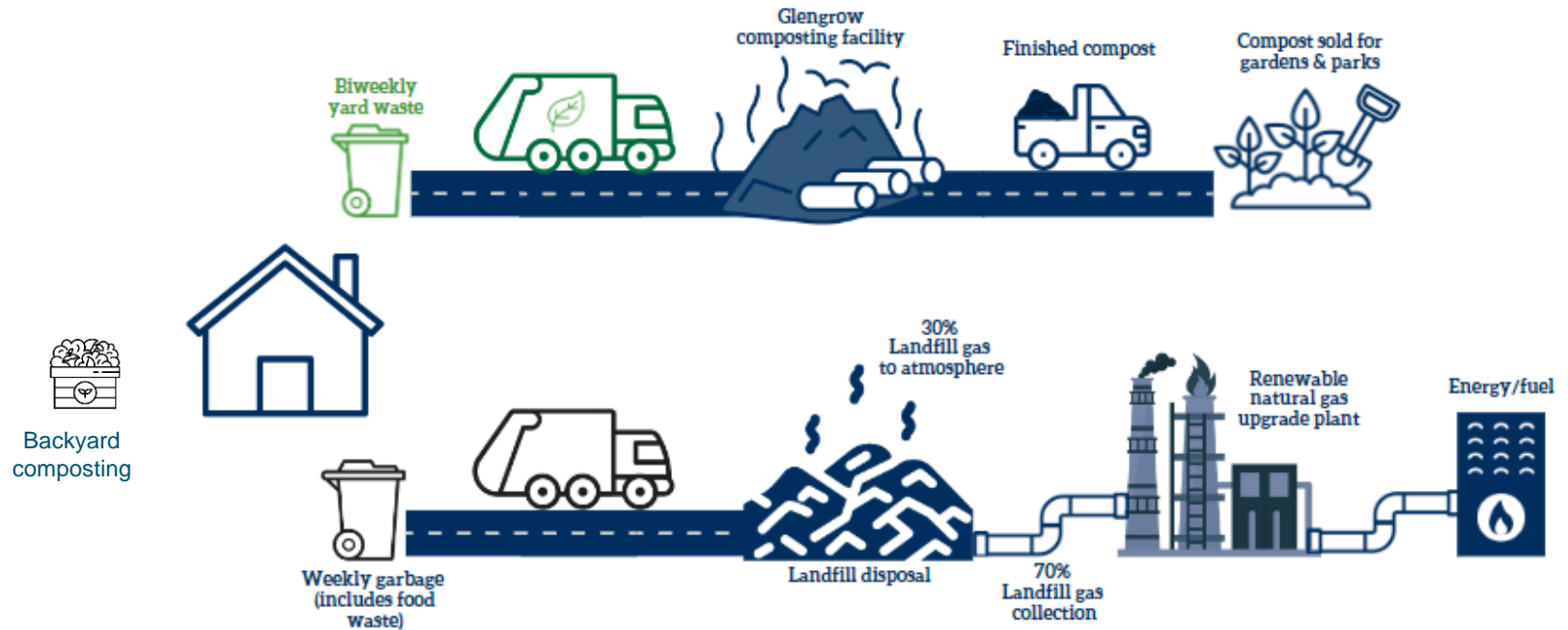


Public interest in doing more with food waste rather than landfilling



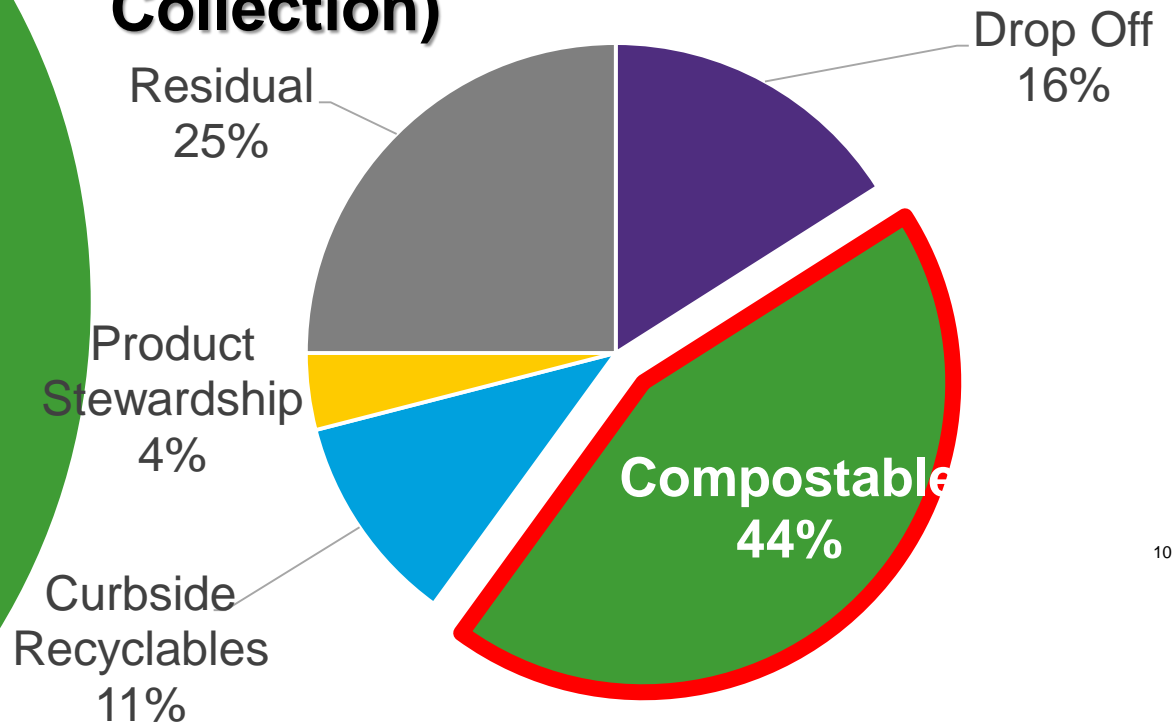
Current Organics Management (Single Family)

How food and yard waste is currently managed

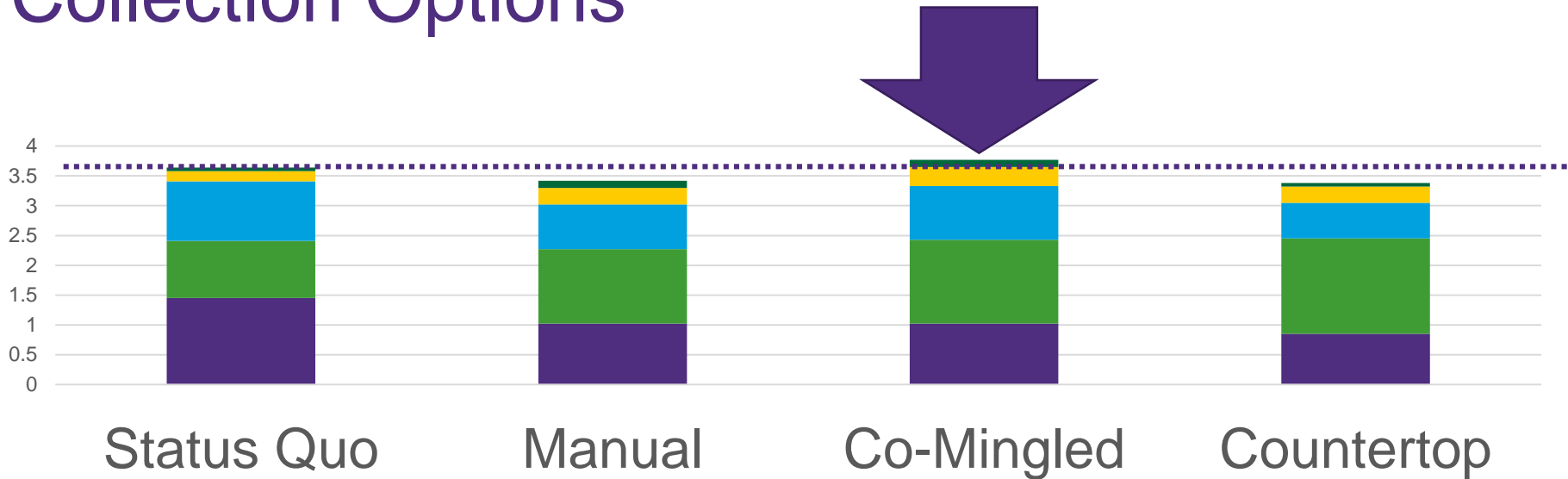


Background:
Composition
of our waste
stream

SINGLE FAMILY (Curbside Collection)



Feasibility Study – Collection Options



■ Financial

■ Environmental

■ Social

Phase 1 engagement Fall 2023

Measure community sentiment & identify common concerns

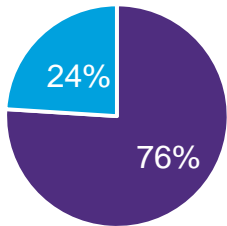
- Statistically valid survey
- yoursay.rdco.com
engagement page
launched



Support for Curbside Food Waste Collection

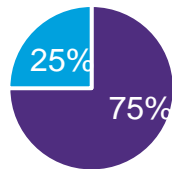
Region wide 73% support having a curbside food waste collection program

Kelowna



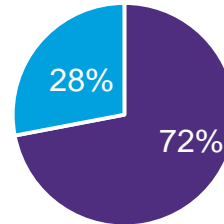
■ Support ■ Non support

West Kelowna



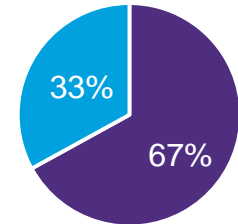
■ Support ■ Non support

Lake Country



■ Support ■ Non support

Peachland



■ Support ■ Non support



Phase 1 Engagement – What We Heard



Overall support

There is overall support among engagement participants for implementation of a food waste collection program. Residents see the service as a benefit to their household, and to the environment.



Cost concerns

There are concerns about cost increases with the addition of food waste collection to the existing service



Nuisance of wildlife, rodents and odour

Residents have expressed a need to understand what can be done to minimize conflict with not only wildlife, but also rodents. Managing potential odours is also a concern.



Scheduling concerns

Bi-weekly garbage collection is seen as a concern however those that were concerned felt they could manage using cart upgrades or tag-a-bag if needed



Phase 2 Engagement – June 2024

Purpose:

Obtain public feedback on service details, including transfer stations, frequency of collection, cost tolerances and other concerns.

How: On-line survey, yoursay.rdco.com page, pop-up events

Participation:

Over 4200 residents filled out the survey

76% support a curbside food waste program.

Phase 2 Engagement – What We Heard



Overall support for biweekly garbage, weekly organics

70% support or strongly support moving to a weekly organics collection and biweekly garbage collection



Cost concerns

76% support a food waste program. 49% are willing to pay at least \$66/year to have a food waste collection program. 19% do not want a food waste program



Wildlife concerns

Residents are most concerned about rats, followed by bears. 24% had no concerns with wildlife related to a food waste program.



Transfer station considerations

The top three criteria residents want considered when siting a transfer station include cost, pests & wildlife, nuisances such as odour, noise and dust.



Kelowna Results – 2466 surveys



74% support for biweekly garbage, weekly organics



82% support a food waste program. 55% are willing to pay at least \$66/year to have a food waste collection program.
15% do not want a food waste program



Largest wildlife concern in Kelowna is rats (44%)
26% had no concerns with wildlife related to a food waste program.



The top three criteria residents want considered when siting a transfer station include pests & wildlife, costs and nuisances such as odour, noise and dust.



Overall Summary of Regional Engagement

Both phases of engagement echoed each other

Overall Results

Support for
curbside food
waste
collection

Common Themes

Cost

Wildlife

Biweekly Garbage
Collection

Next Steps

Final Costs TBD

Attractant
management and
education

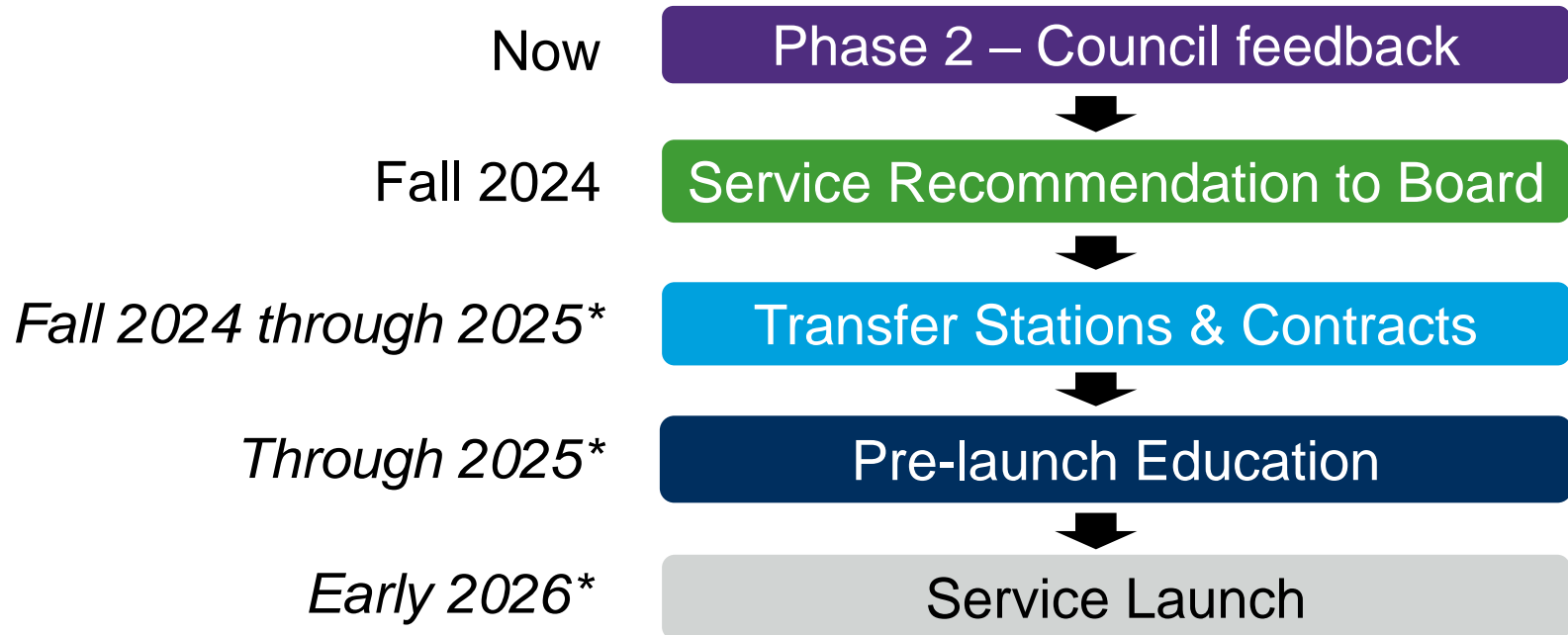
Opportunity for
increased diversion

Preliminary Service Model – Curbside Collection

- Add food waste to existing curbside yard waste carts
- Collect comingled organics weekly – year round
- Collect garbage bi-weekly
- Transfer station(s)



Next Steps - Timeline



**Estimated timeline, subject to change*



Thank you

City of Kelowna Context

- ▶ Current organics diversion in Kelowna is significant
 - ▶ Approx 45,000 tonnes of organics managed
 - ▶ Approx 15,000 tonnes from curbside collection
 - ▶ Approx 21,000 Biosolids composted
- ▶ GlenGrow™ and other non-putrescible organics are managed with minimal nuisance complaints
- ▶ Processing of mixed yard and food waste would not occur at our Glengrow™ compost operation

City of Kelowna Context

► Waste Collection Impacts

| Benefits | Challenges / Gaps |
|---|--|
| Incremental increase in level of service to the curbside collection program | Many strata townhouse units do not use green waste system |
| Align procurement process and timing with RecycleBC program transition | Increased bin purchases and potential lower uptake of food waste diversion |
| Overall lower green house gas emissions | This does not yet address multi family or commercial food waste |

City of Kelowna Context

► Landfill Impacts

| Benefits | Challenges / Gaps |
|---|--|
| Lower methane/GHG emissions from landfill | Less efficient use of landfill airspace due to lower density of fill |
| May defer some capital and equipment replacement projects | Lower landfill gas revenue with same capital and operating costs |
| Less traffic coming into landfill | |
| Residential curbside food diversion extends landfill airspace | |

City of Kelowna Context

► Glengrow™ Composting Impacts

| Benefits | Challenges / Gaps |
|---|---|
| May defer some capital and equipment replacement projects | Lose approximately half of the feedstock for GlenGrow™ composting |
| Allow small increase in space for other small scale waste diversion opportunities | Smaller scale - expect unit costs will increase |
| | Less GlenGrow™ available for agricultural and residential use |



Questions?

For more information, visit kelowna.ca.