

Waste Reduction

SWMP Update & Recycle BC Partnership

May 17, 2022

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Kelowna, BC, V1W 3Z4
rdco.com



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SWMP - Purpose



- Mandated by Provincial Environmental Management Act

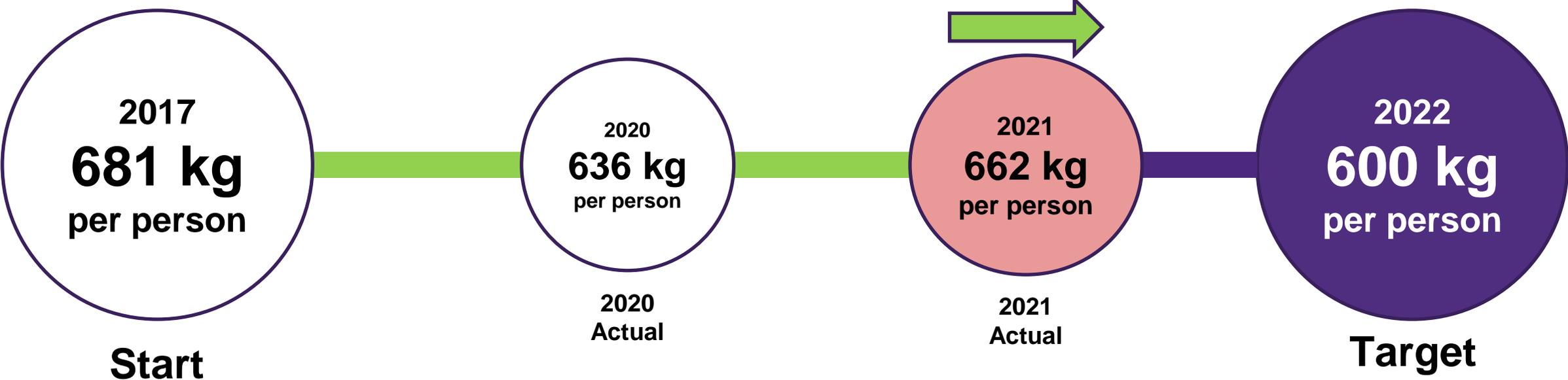
“Provides long term vision for solid waste management, including waste diversion and disposal activities.”

SWMP Primer - Goals



- The goal is zero waste...
 - Citizens are actively engaged...
 - Make it easy for residents and businesses to make the right decision.
- + **Guiding Principles from BC Ministry of Environment**

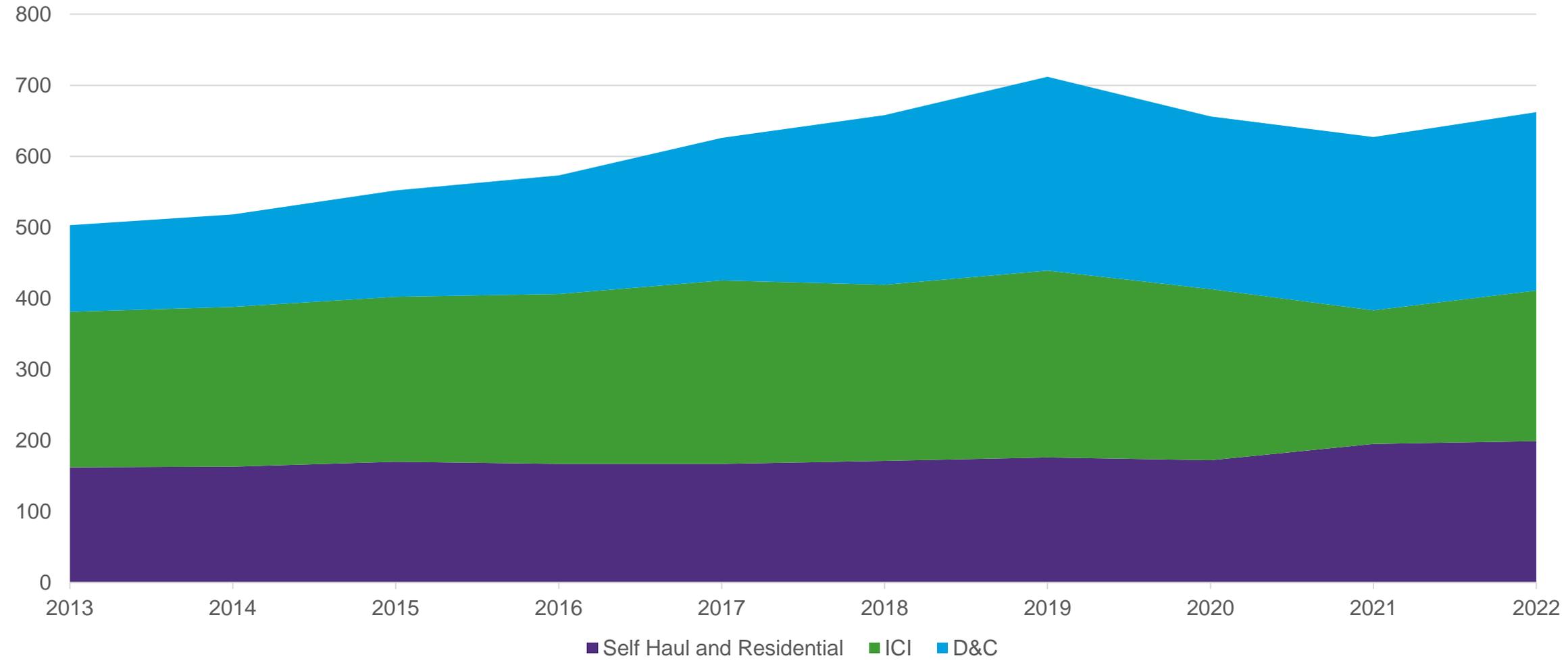
Waste Reduction Target – Total Waste



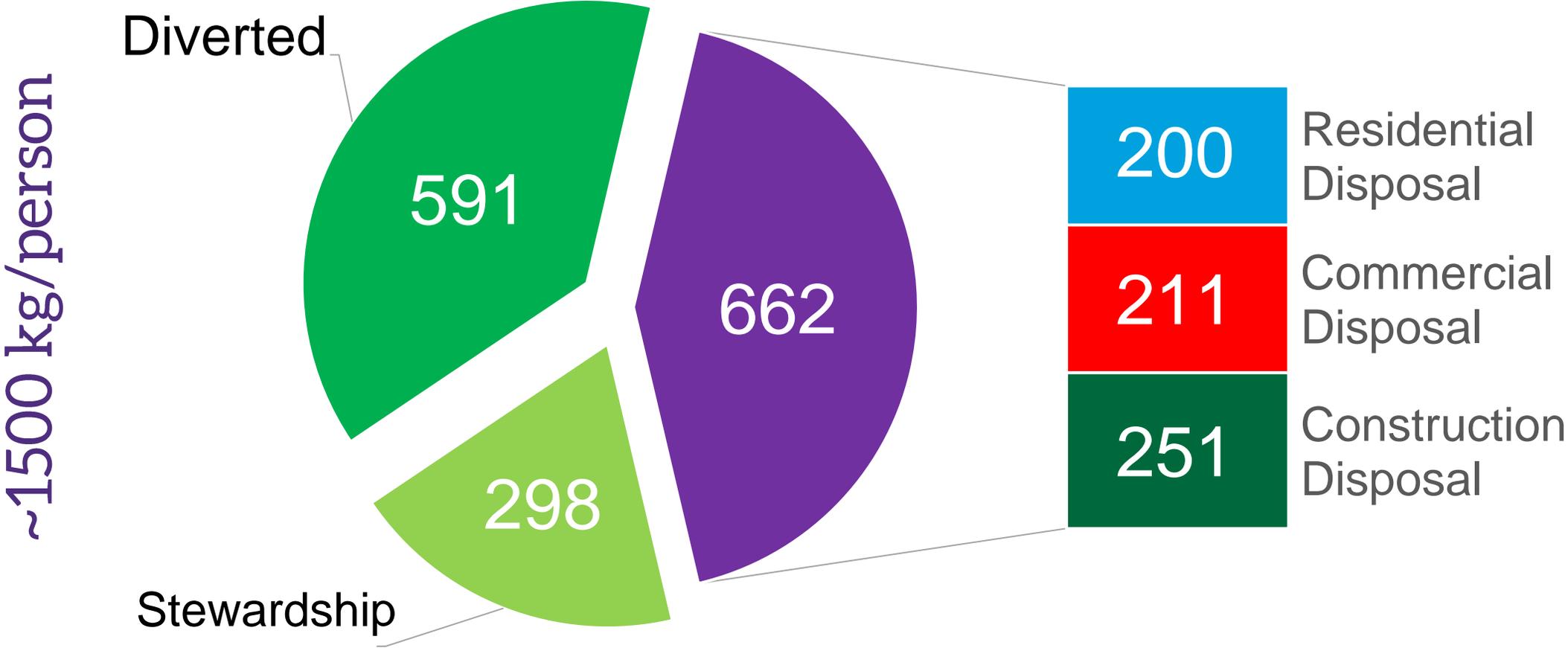
98.4% increase in building permit values
82% increase in housing starts
6.1% increase in business licenses...

Will not achieve 2022 waste reduction target

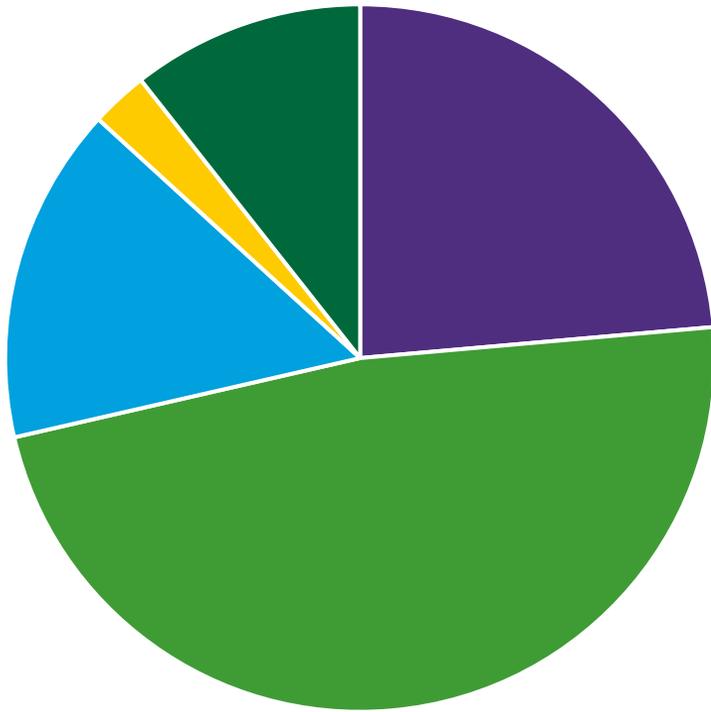
Total Disposal Rates



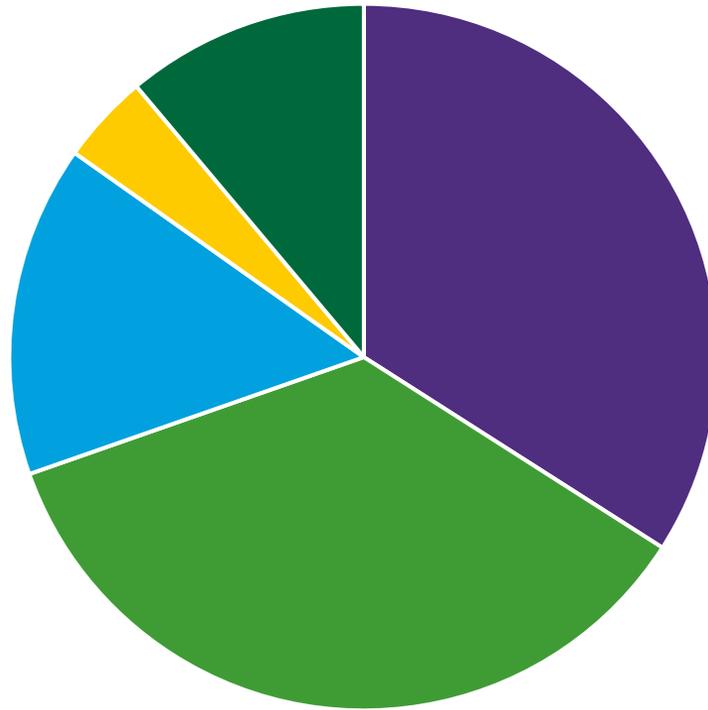
Estimated 2021 Waste Generation



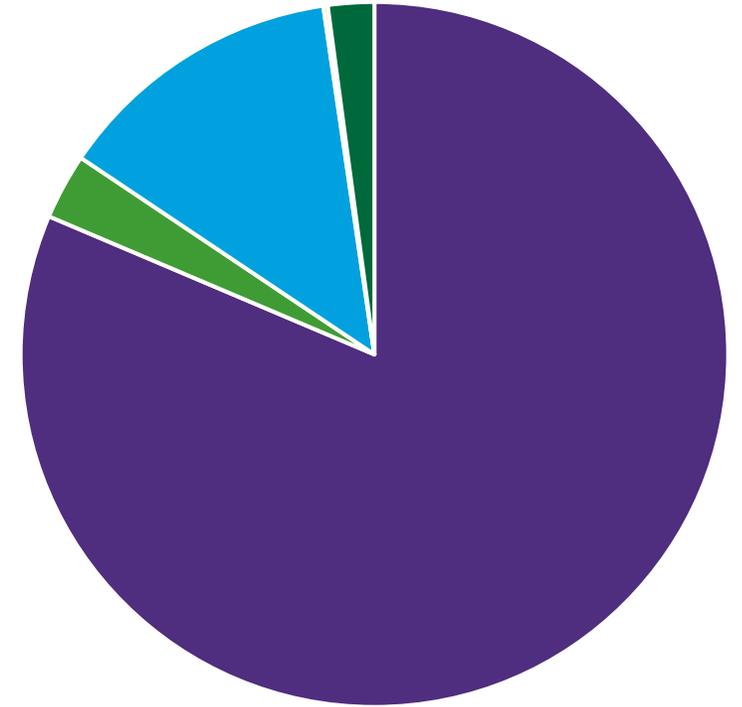
2021 Waste Characterization



Residential



Commercial

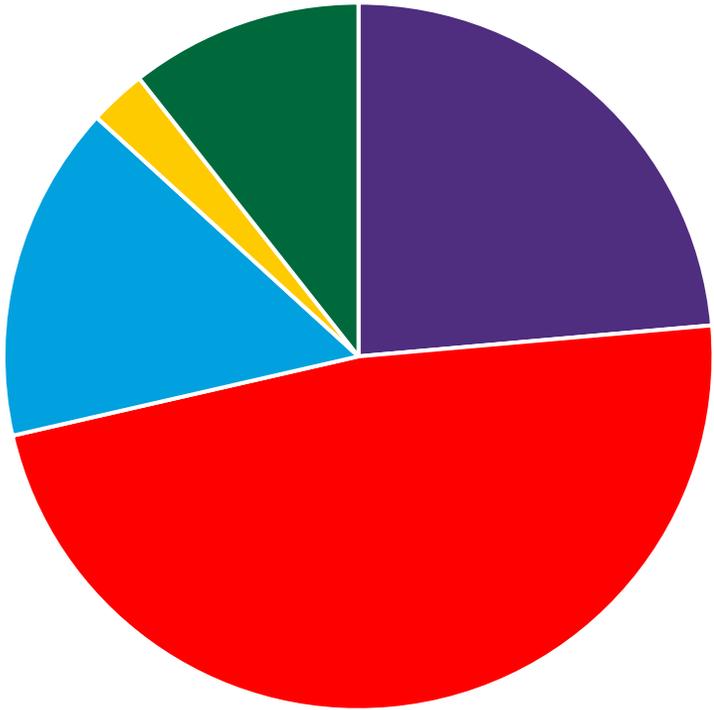


Construction

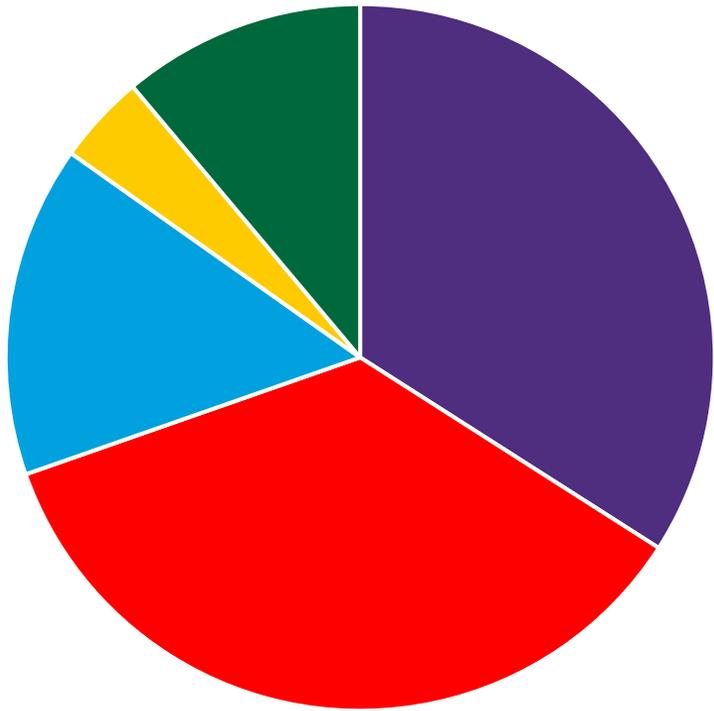
■ Residual ■ Compostable ■ Drop Off ■ Product Stewardship ■ Recycling



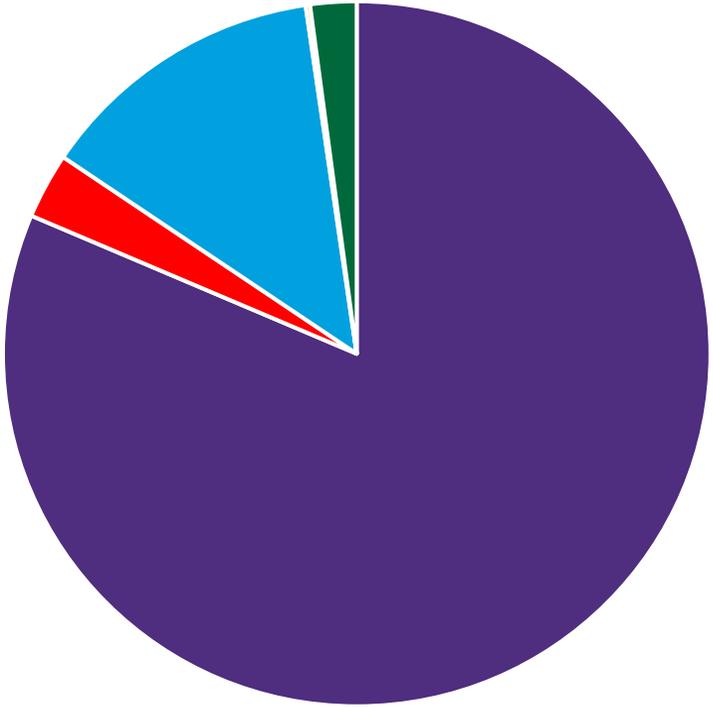
Organics Management



Residential



Commercial



Construction

■ Residual ■ Compostable ■ Drop Off ■ Product Stewardship ■ Recycling

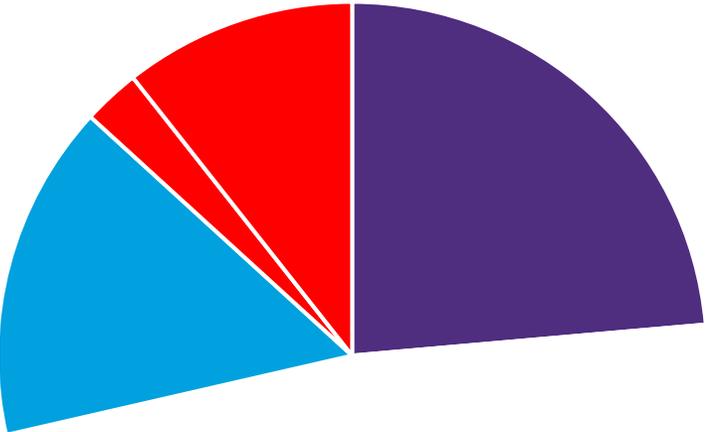


Organics Management

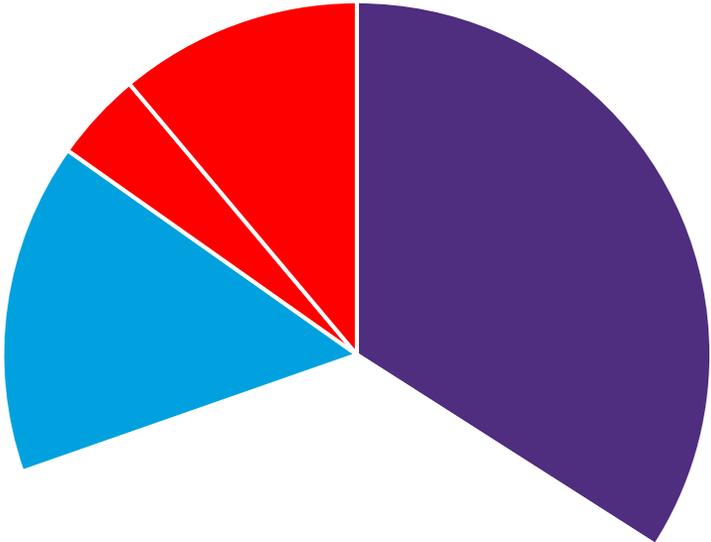


- **2022 Organics Feasibility Study**
 - Study initiated in February 2022
 - Review processing and collection options
 - Evaluation criteria development & Feasibility Assessment
 - **Completion date: June 29, 2022**
- Organics Pilot: **Proposed for 2023**
- Full Scale Operations: **Proposed for 2024**

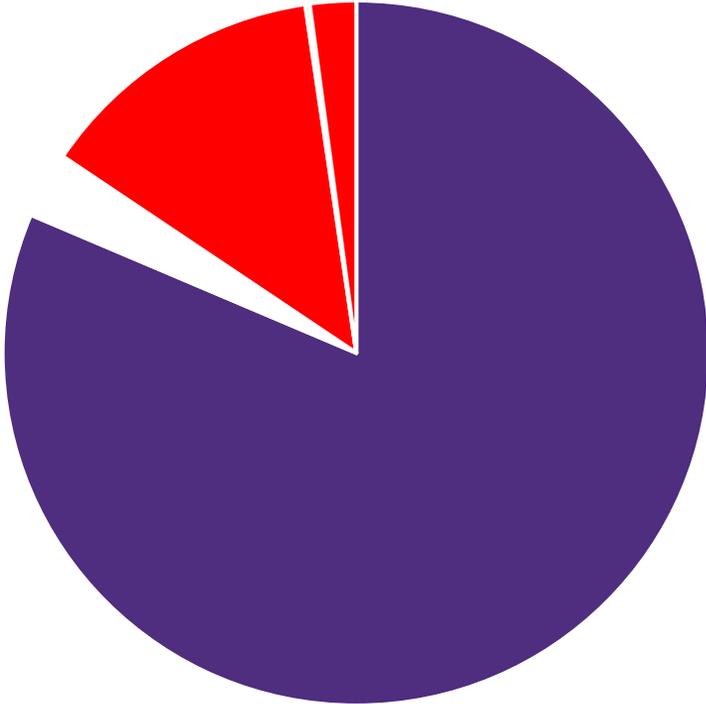
Existing services



Residential



Commercial



Construction

■ Residual

■ Drop Off

■ Product Stewardship

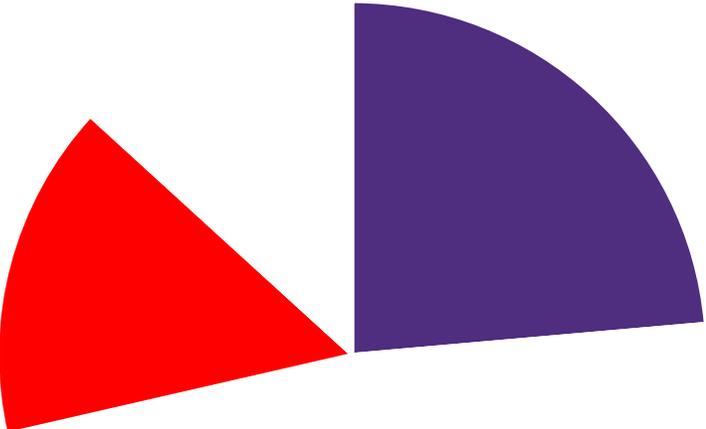
■ Recycling



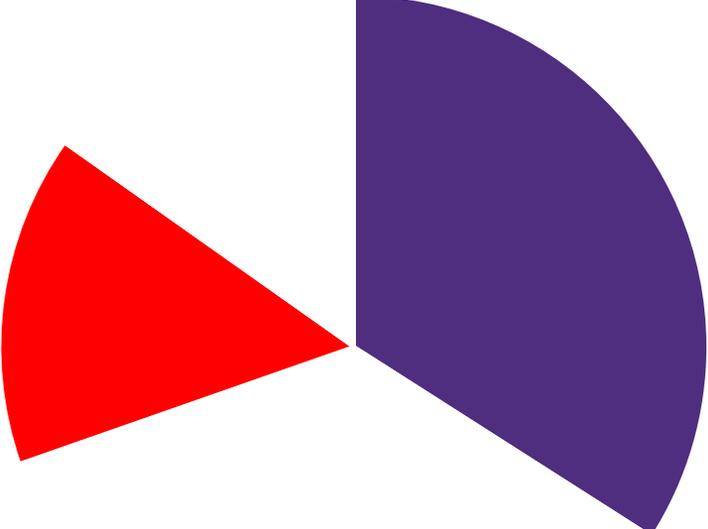
Recycling Education



Depot Only Materials



Residential



Commercial



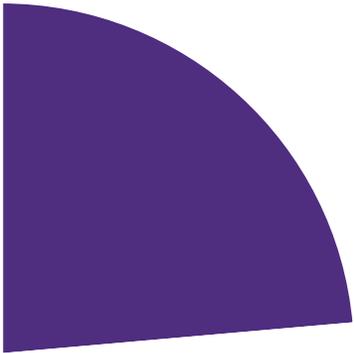
Construction

■ Residual

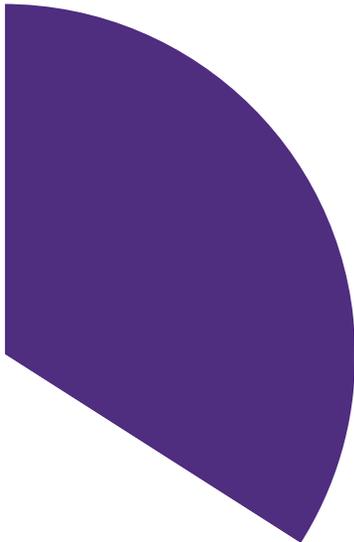
■ Drop Off



Residual Materials



Residential



Commercial



Construction



Curbside Bear Resistant Carts



Source: rollinsmachinery.com

- 2019 – 2021: Bear Cart testing
 - Engagement with residents and COs
- RFP in 2021: Advanced Pilot
 - Supply chain challenges (Pandemic related)
- 2022: Next Phase - Extended pilot
 - Limited quantity of carts available
 - First come, first served
 - Subsidized carts available for early adopters
- Next Steps:
 - Prepare formal program recommendation

Key Initiatives (2022)

- Re-evaluate organic waste diversion opportunities
- Implement Multifamily Waste Reduction study recommendations
- Construction / Deconstruction project and study
- Expanded Waste Ambassador program
- Curbside Bear Carts (Phase 1)
- Single Use Plastic Ban Consideration
- Consideration of Recycle BC partnership (curbside recycling)

Future SWMP

- SWMP to be completed by 2025
 - 5 years ahead of schedule
- Effectiveness Review in 2024 should:
 - Evaluate 2020-2024 performance
 - Engage the public to obtain updated perspective
 - Amend the SWMP with new strategies and initiatives

A photograph of a wooden tunnel leading to a bright outdoor area with greenery. The tunnel is constructed from dark, weathered wooden planks that curve to form a semi-circular opening. The interior of the tunnel is dimly lit, while the light from the opening creates a strong contrast. Outside, some green plants and a bright sky are visible. The bottom right corner of the image features a small graphic of three colored squares (purple, green, blue) followed by the number 18.

Curbside Recycling Program

Recycle BC Overview

Recycle BC:

- Operated on behalf of packaging producers to collect packaging and paper products.

Current Relationship:

- Municipality collects recyclables (E360s)
- RDCO provides education and administration
- Recycle BC funds collection and education

Alternative Option:

- Recycle BC does collection, education, and administration (self funded)

Existing Challenges



- Contamination Financial Penalties
 - Up to \$120,000 / year
- Contamination Rates
 - 3% Requirement
- Waste Reduction Focus on contamination reduction
 - Effort split between “Waste Reduction” and “Contamination Reduction”

Important Upcoming Date



- July 2022 - Decision to continue partnership
 - Decision will persist for 7 years, minimum:
 - Current agreement expires December 31, 2024 (2 years)
 - Next agreement will expire in 2029 (5 years)

Recycling Net Cost

City of West Kelowna

Status quo net financials:	+\$9,000
Potential penalties:	- \$120,000
<u>Expanded service</u>	
Status Quo + Glass:	- \$270,000
Penalties + Glass:	- \$390,000
Recycle BC Direct Service:	\$0



Public Engagement – Regional Feedback

City of West Kelowna

- 87% satisfaction with existing curbside recycling service
- 87% of residents are willing to sort recyclables at curbside into multiple boxes
- 84% of residents would be more willing to sort recyclables at curbside if glass collection was included
- 86% of residents would be more willing to sort recyclables at curbsides if it avoided a future fee increase

Solid Waste Technical Advisory Committee

- **Historically a great program**
 - Funded Curbside Recycling
 - Diverted recyclables from landfill for over 8 years
- **Concern regarding contamination**
 - Financial penalties
 - Emphasis should be waste reduction, not contamination reduction
- **If the relationship does change**
 - Removes financial risk and adds potential service improvements
 - Require significant effort and collaboration to transition successfully

Summary

Two base options:

1. Maintain the partnership (RDCO led recycling)
2. End the partnership (Recycle BC led recycling)

Option 1 - Maintain Partnership



- **Maintains:**
 - Single, convenient recycling container
 - Existing relationship
 - Current recycling commodities
 - Curbside Recycling funding
 - Existing curbside service provider (E360s)
- **87% Residential Satisfaction**
- **Historically a very good partnership**
- **Financial penalties may require new funding to maintain service**

Option 2 - End Curbside Partnership



Source: recyclebc.ca/preparing-recycling-three-steps/

- May include changes:
 - multiple curbside recycling containers
 - glass recycling at curbside
 - weekly collection
- Service provided by Recycle BC
 - No cost or other resources
- Supported by 87% of curbside recyclers

Operational 2025 at the earliest

Next Steps

Today:

- **Consulting and seeking feedback on the regional Recycle BC Partnership**

June 2022:

- City of West Kelowna Administration and the RDCO will return to Council to request a decision regarding the Recycle BC Partnership in your community

July 1, 2022:

- Deadline for Recycle BC notification



End of Presentation