

Waste Reduction

SWMP Update & Recycle BC Partnership

May 17, 2022

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Kelowna, BC, V1W 3Z4
rdco.com



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2. Curbside Recycling Program

SWMP - Purpose



- Mandated by Provincial Environmental Management Act

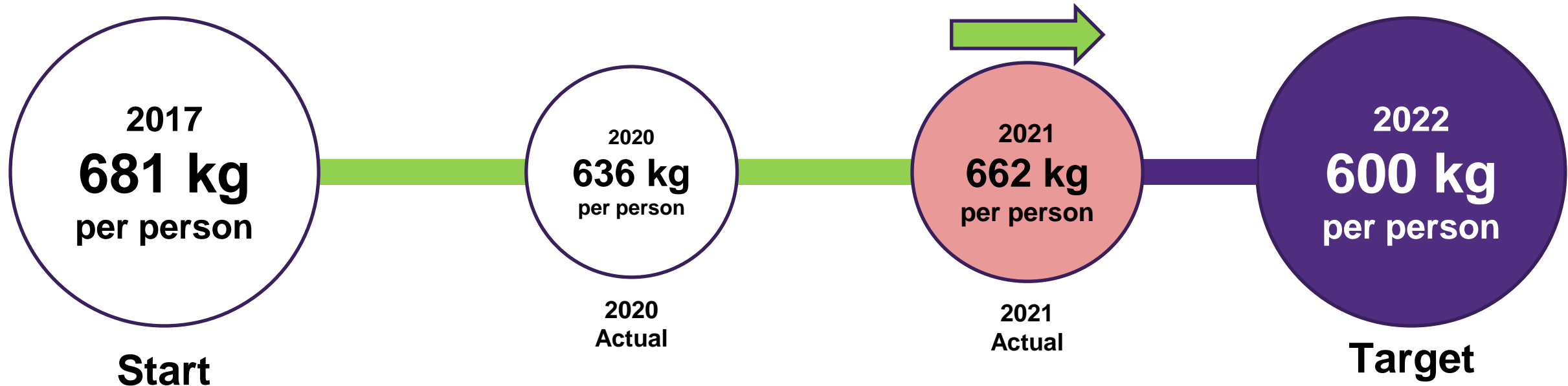
“Provides long term vision for solid waste management, including waste diversion and disposal activities.”

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**

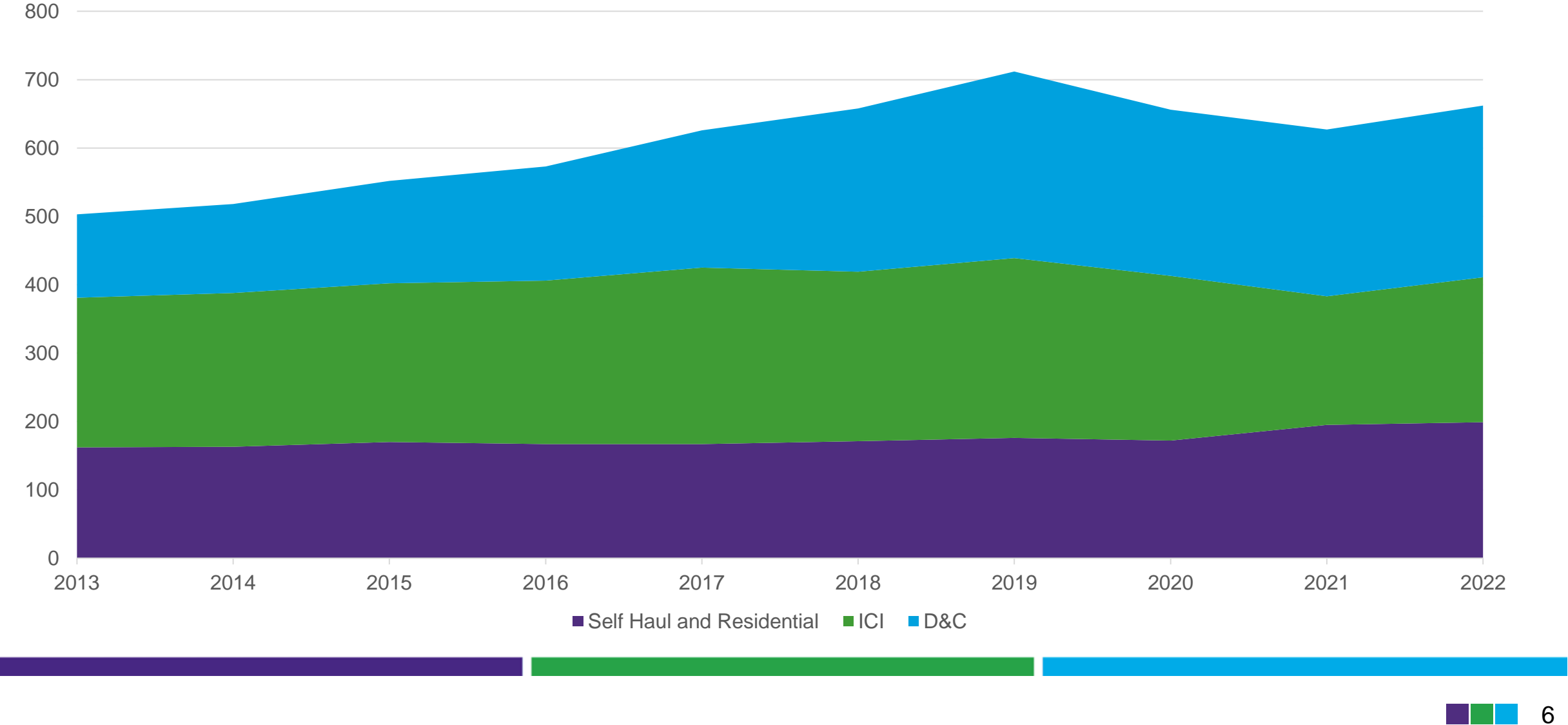
Waste Reduction Target – Total Waste



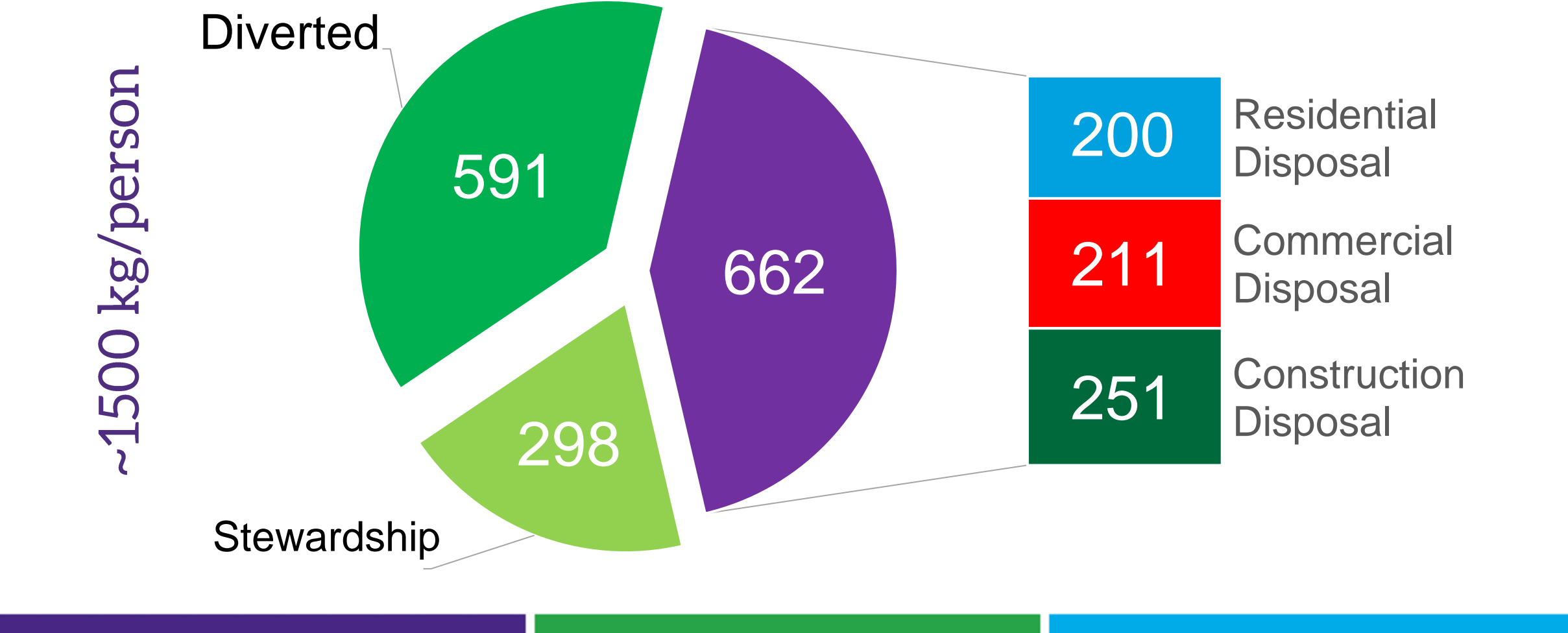
98.4% increase in building permit values
82% increase in housing starts
6.1% increase in business licenses...

Will not achieve 2022 waste reduction target

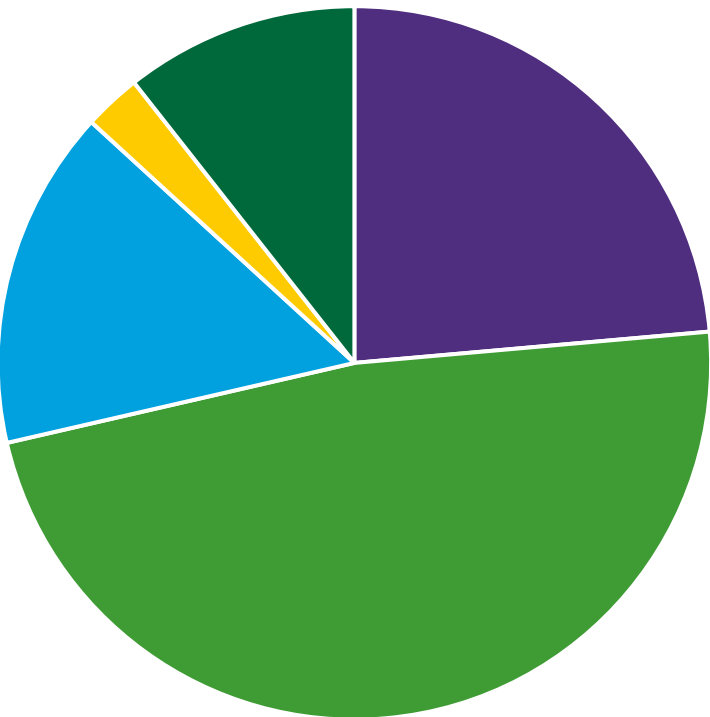
Total Disposal Rates



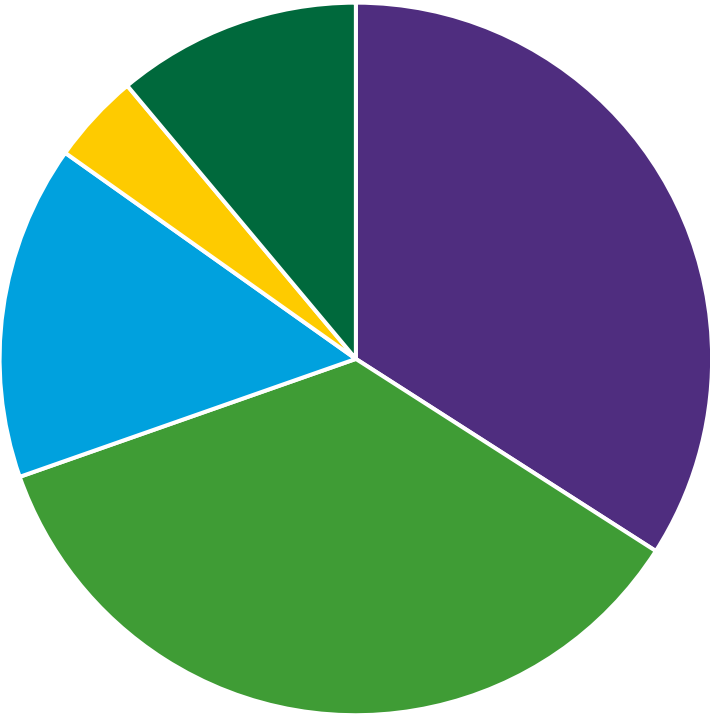
Estimated 2021 Waste Generation



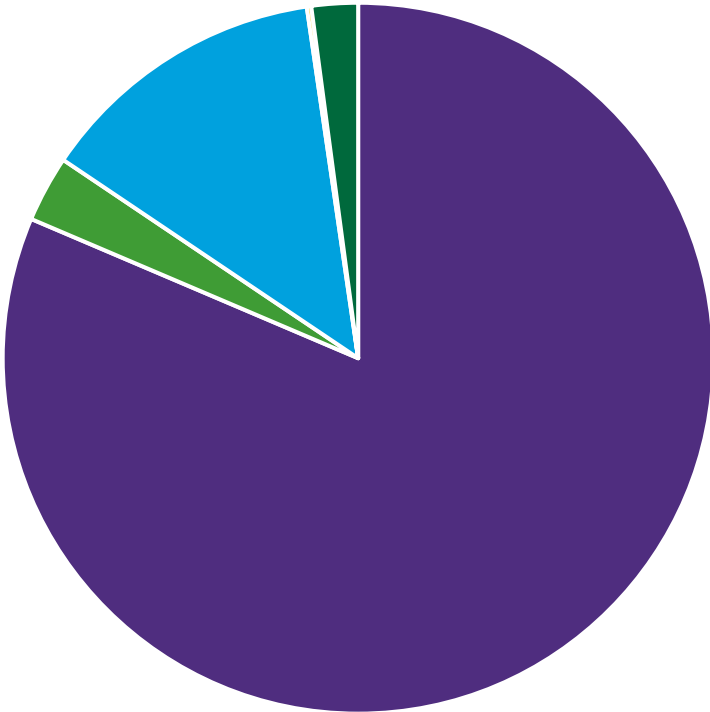
2021 Waste Characterization



Residential



Commercial

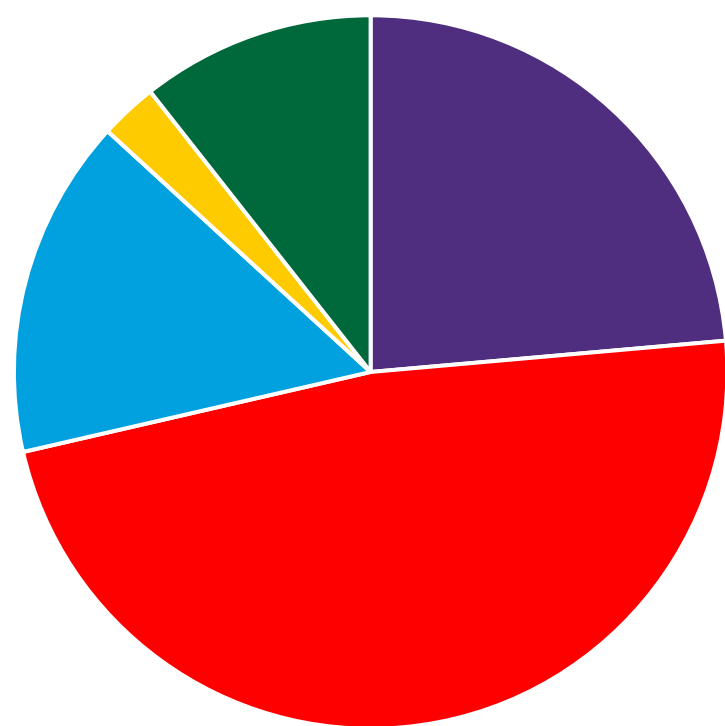


Construction

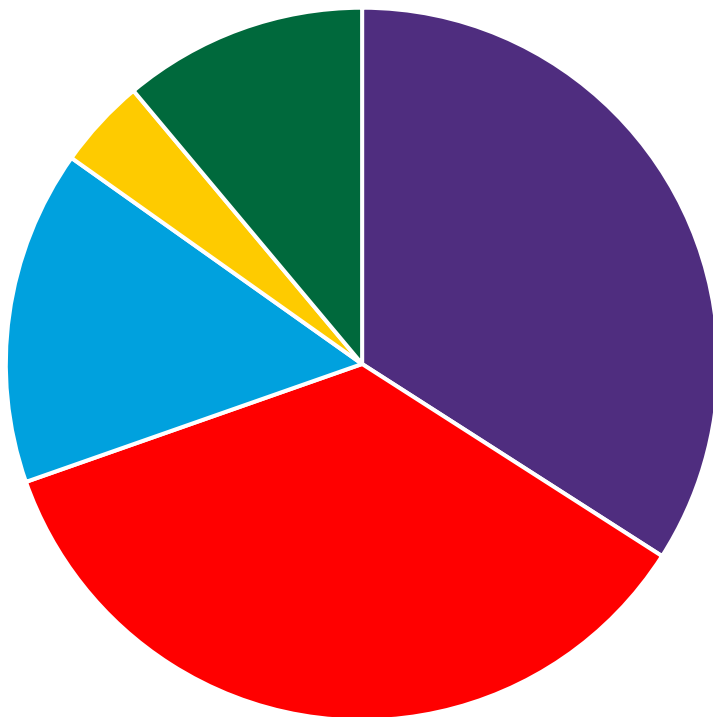
■ Residual ■ Compostable ■ Drop Off ■ Product Stewardship ■ Recycling



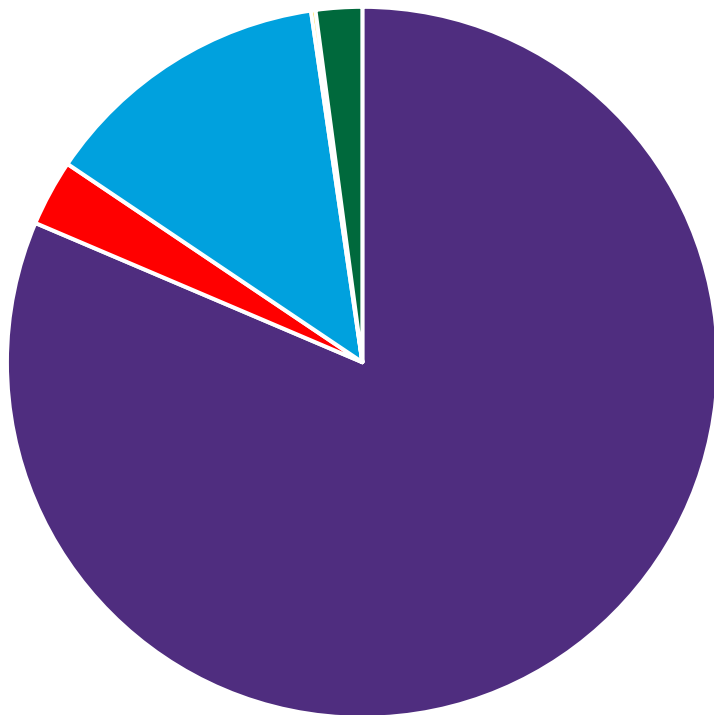
Organics Management



Residential



Commercial



Construction

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

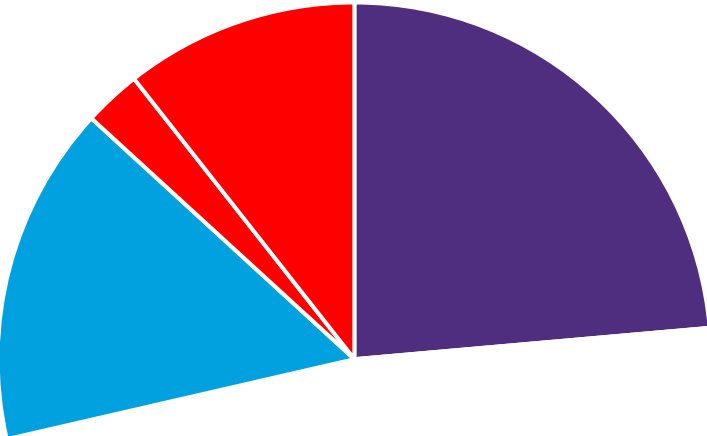


Organics Management

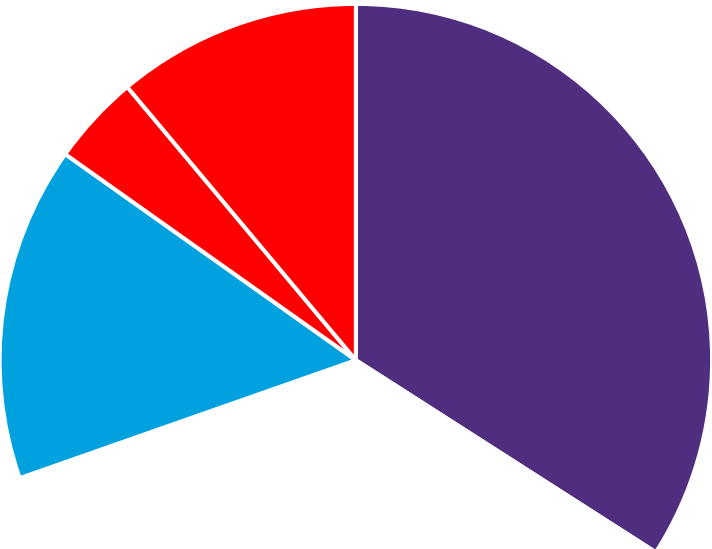


- **2022 Organics Feasibility Study**
 - Study initiated in February 2022
 - Review processing and collection options
 - Evaluation criteria development & Feasibility Assessment
 - **Completion date: June 29, 2022**
- Organics Pilot: **Proposed for 2023**
- Full Scale Operations: **Proposed for 2024**

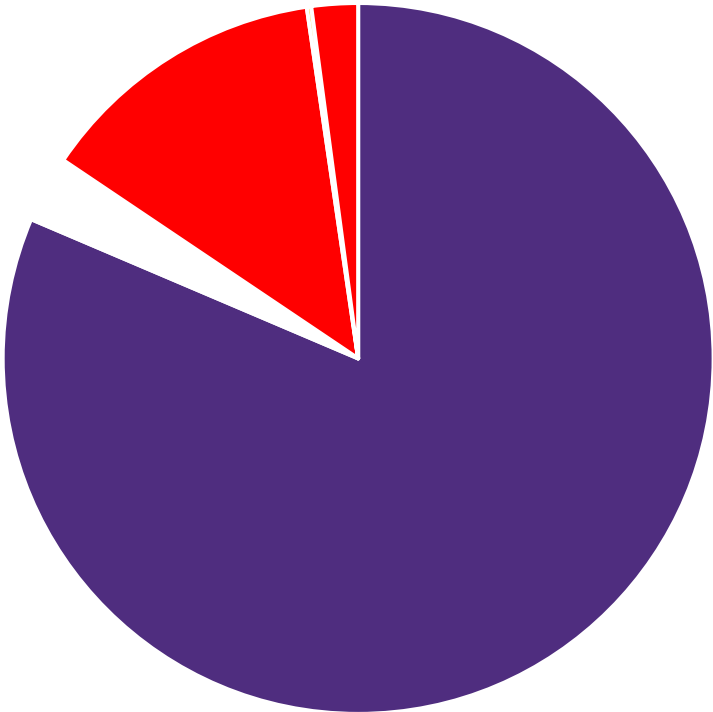
Existing services



Residential



Commercial



Construction

■ Residual

■ Drop Off

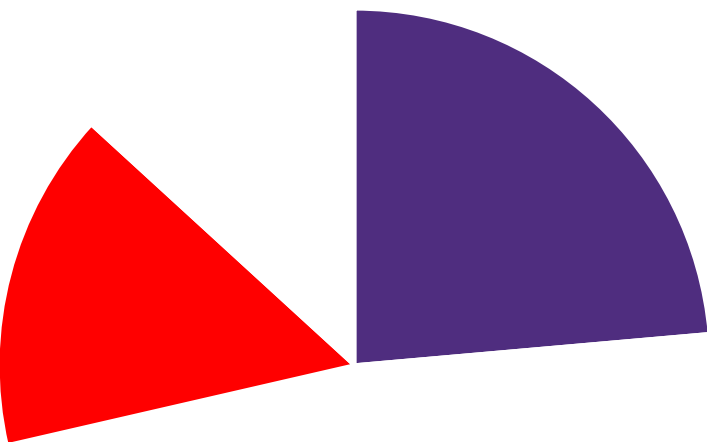
■ Product Stewardship

■ Recycling

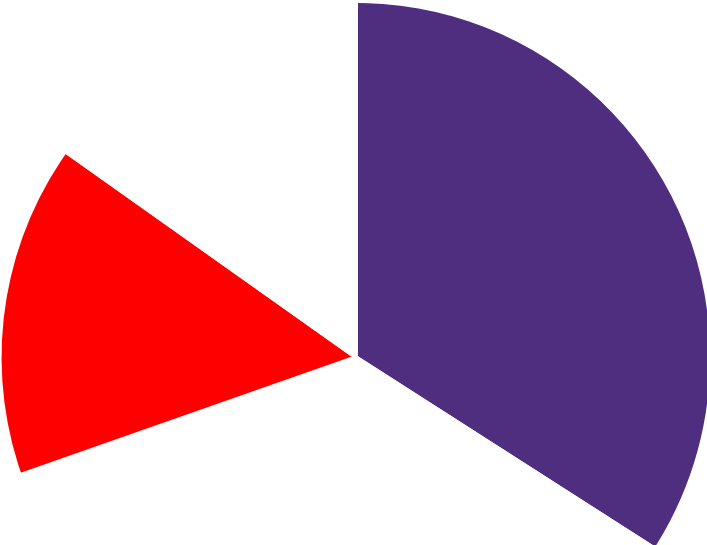
Recycling Education



Depot Only Materials



Residential



Commercial



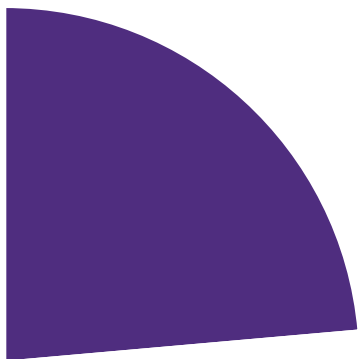
Construction

■ Residual

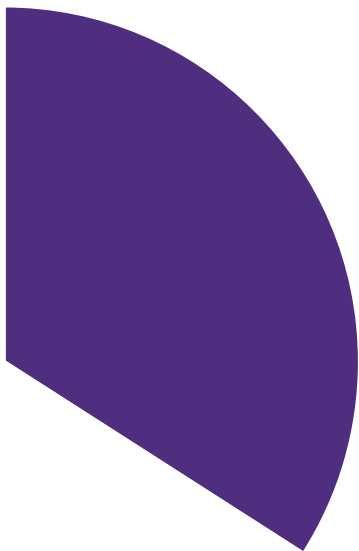
■ Drop Off



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, likely made of recycled wood, with a bright opening at the end. The tunnel walls are made of dark, weathered wooden planks. The floor is covered with dark, smooth stones. The bright light at the end of the tunnel creates a strong contrast with the dark interior.

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

Expanded service

Status Quo + Glass:	- \$270,000
Penalties + Glass:	- \$390,000

Recycle BC Direct Service:	\$0
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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