

Waste Services

Multi-unit Strategy (CO00581)

July 9, 2021

Utility Committee (continuance from June 25, 2021)

Presented by Gord Cebryk, Michael Labrecque and Chris Fowler

Status of Strategic Elements

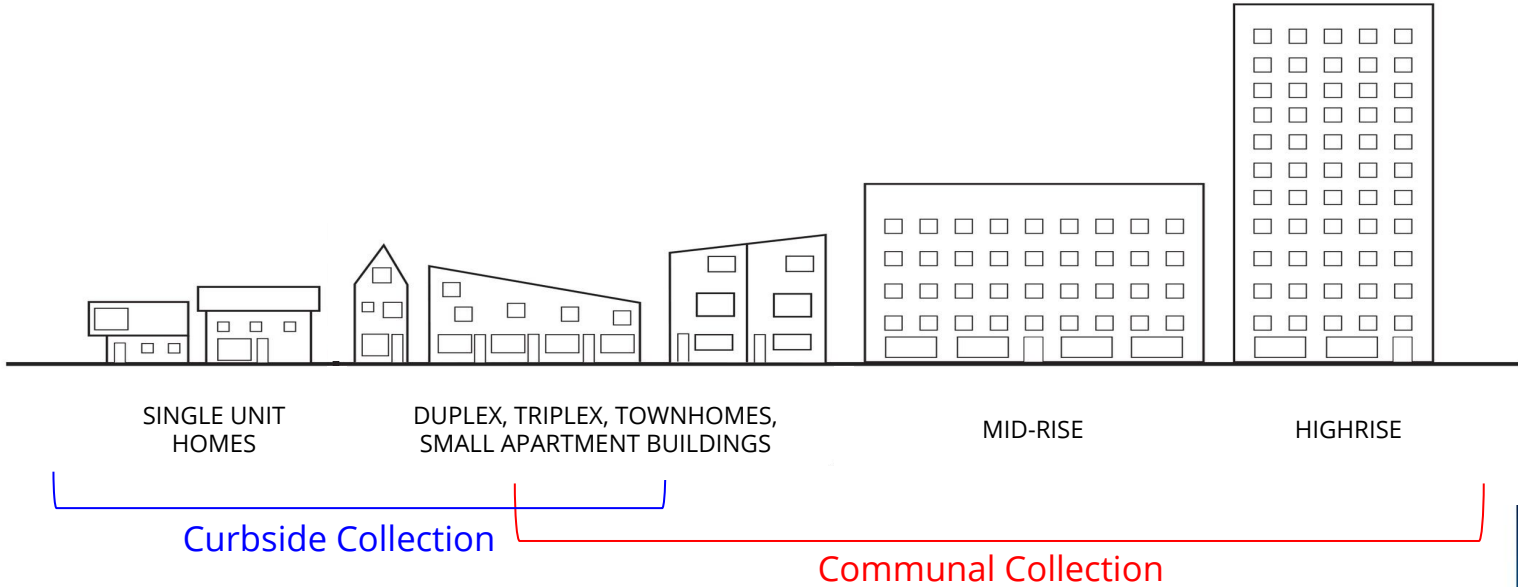


Monthly Rate Infographic - Communal Collection



Communal Collection Program

(Formerly known as the Multi-unit Program)

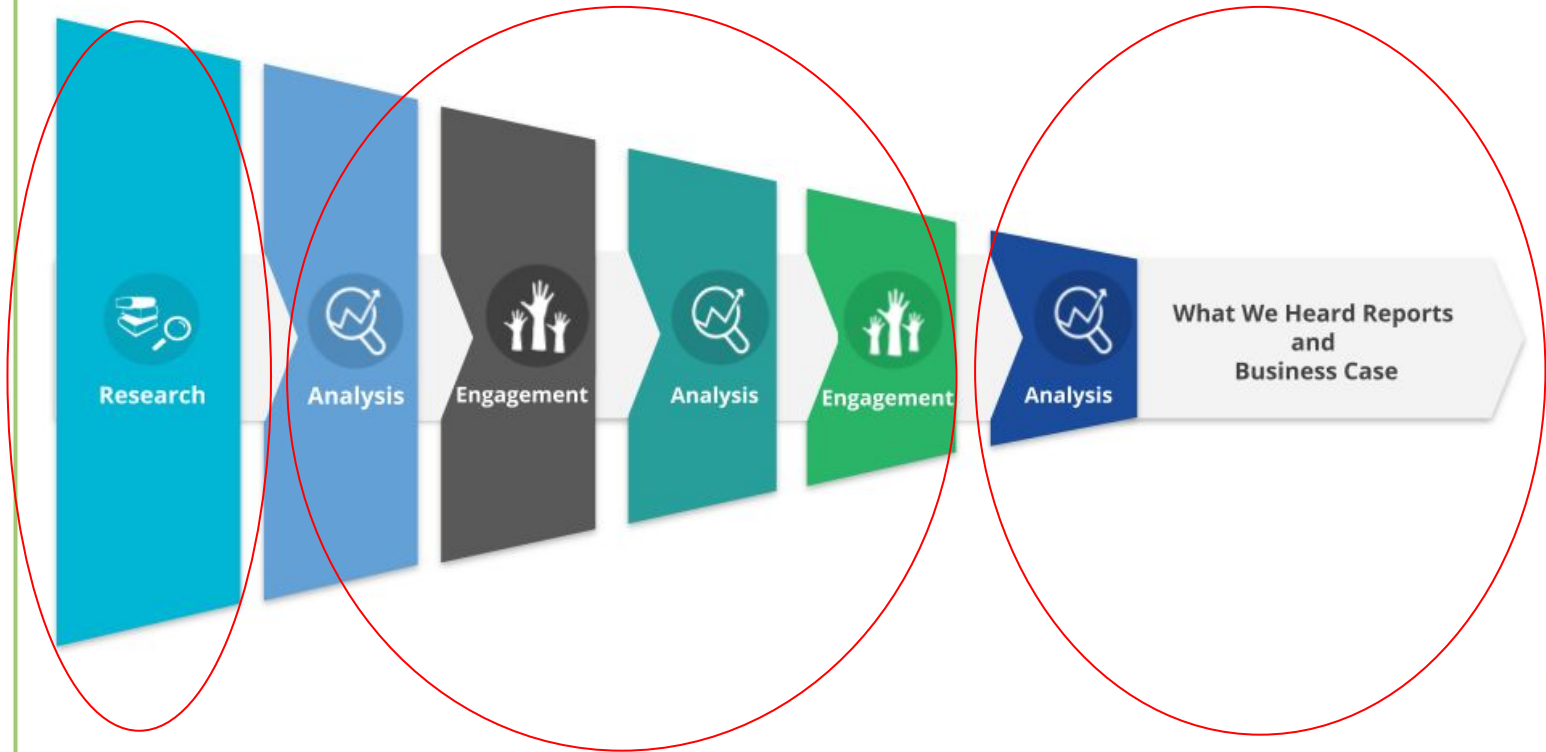


Multi-unit Strategy

- Report and business case propose the development of a mandatory three stream source separation program for residential properties that receive communal collection
- Report also proposes communal collection diversion rate calculation methodology
- Part of 25-year Waste Strategy and strong alignment with other corporate goals



Analysis Approach



Business Case Alternatives - Final Stage Analysis

Business Case Alternatives	Mandatory Chute Closure	Voluntary Chute Closure
Mandatory Co-location	Alternative 1	Alternative 2
Voluntary Co-location	Alternative 3	Alternative 4

- Alternative 2 is recommended
Mandatory co-location with voluntary chute closure

Evaluation Analysis

The four alternatives evaluated based on:

- **Cost** - Estimates of operating and capital costs were developed and the net present value was calculated for each alternative.
- **Risks** - Risks unique to each alternative were identified and scored based on likelihood and impact.
- **Social impacts and public preference** - Feedback from residents and managers who participated in public engagement was considered independently and scored.
- **Environmental impact** - The increase in the diversion rate that each alternative was expected to achieve was estimated

Recommended Alternative - Capital & Operating Expense

Expected Project Cost	
Costs	\$29.2 million - Capital \$91.0 million - Operating & Maintenance
Net Present Value	\$-67.6 million

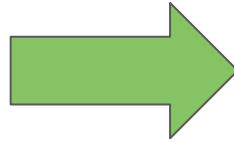
- Waste Services SCBA (CO00650) requests a new capital profile for the Communal Collection Program in the amount of \$5.9 million

Communal Diversion Rate Target

76%

Projected Status Quo

- Best case for diversion without mandatory three stream separation

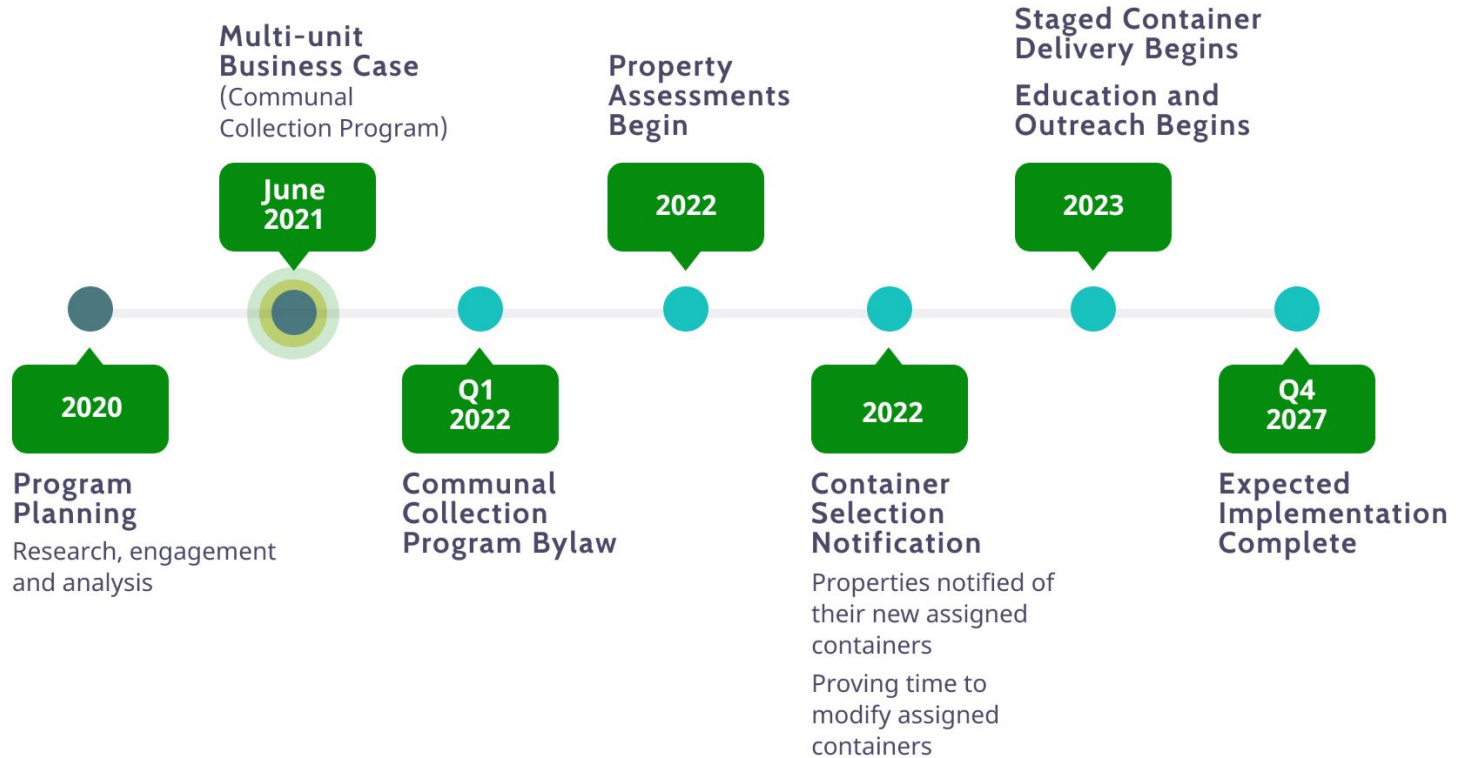


84%

Projected Status Quo + 3 Streams

- Achieving maturity with mandatory three stream source separation

Communal Collection Implementation Timeline



Implementation Plan

Implementation plan includes:

- Variable Pricing Program Details
- Excess Waste Program
- Enforceable Development Standards
- Bylaw Update
- Regular Waste Characterization Studies

Continued research on:

- Stakeholder Working Groups to support implementation
- Illegal Dumping
- Bin Aesthetics



Thank you

Waste Services
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