

Appendix 6: Green Cart Size Analysis

The following table provides a more indepth analysis of the three piloted green cart sizes. This information was used to support the Administration's recommendations of the 240 L cart size for city-wide food and yard waste services.

Cart Size	Benefits	Drawbacks
120 L	<ul style="list-style-type: none"> Satisfactory capture rates of food waste (overall captured 39% of food waste in this scenario) Smaller cart size is easy to maneuver. Smaller cart size takes up less curb space. Lowest cost per cart. 	<ul style="list-style-type: none"> Lowest capture rate of yard waste (74%). Unable to meet seasonal yard waste capacity requirements for all households. Survey showed more instances of issues with messiness in carts and frozen/sticking waste in this scenario vs. larger carts. Presented most operational challenges with carts blowing/falling over and freezing/sticking material. 31% of survey respondents in this scenario felt this cart was too small, and 6% felt it was too large.
240 L	<ul style="list-style-type: none"> Best capture rates of all scenarios for food waste (50%). Satisfactory capture rate of yard waste (86%). Good maneuverability. Minimal issues operationally. Sufficient capacity for seasonal yard waste volume increases with weekly collection for majority of households. 	<ul style="list-style-type: none"> May not meet seasonal yard waste capacity requirements for all households. Slightly larger curb space requirement than 120 L cart. Slightly less maneuverability than 120 L cart. May be more capacity than some households require year-round. 15% of survey respondents felt this cart was too small, and 24% felt it was too large.
360 L	<ul style="list-style-type: none"> Best capture rate of yard waste (97%). Able to meet yard waste capacity requirements for households with large seasonal volumes. May not need to be collected as frequently. 	<ul style="list-style-type: none"> Not as effective at capturing food waste (30% capture rate). May be more difficult to maneuver when full. Takes up more curb space. 50% of survey respondents felt this cart size was too large, and 1% felt it was too small. Highest cost per cart.