

# Waste Management Roadmap Survey Report Back

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DATE: June 2020











- 1b. Are you aware these items (i.e. cardboard boxes) can be taken to the Broadview Enviroservice Station, Ardrossan Recycle Station, or South Cooking Lake recycle events?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	403	86.3
<b>No</b>	64	13.7
<b>Total</b>	467	100.0

**Analysis:** When residents have lots to recycle, recycle station/event use and participation is positive but not resounding. A simple majority (just over 50%) of Strathcona County residents say that when they have large amounts of recycling items, they will take it to a recycling station or event. A minority (19%) do this sometimes, and a smaller minority rarely (12%) or never (10%) do this.

Of those who rarely or never use recycling stations/events (22.1%), and who have large amounts to recycle, many (33%) will simply put the recycling into their black carts. However, a strong majority will find other ways to recycle the materials. The most common responses were using another regional recycling station (outside Strathcona County) and taking it to their workplace. For the OTHER category, 202 responses were received. A large majority of respondents (153, or 76%) stated that extra cardboard is placed curbside either in the blue bag or bin (reusable container), broken down and placed curbside, or is stored until a following week for curbside pick-up in a blue bag or bin (reusable container).

A large majority of respondents know that recycling stations are available for disposing of these items.

### Styrofoam

2. Typically, when I have large pieces of Styrofoam packaging, I take it to the Broadview Enviroservice Station because it is not accepted in the blue bag.

	<b>Responses</b>	<b>Percent</b>
<b>Always</b>	749	35.6
<b>Usually</b>	338	16.0
<b>Sometimes</b>	238	11.3
<b>Rarely</b>	240	11.4
<b>Never</b>	426	20.2
<b>Never have this type of waste</b>	115	5.5
<b>Total</b>	2106	100.0

- 2a. For those who selected rarely or never (31.6%), do you:

	<b>Responses</b>	<b>Percent</b>
<b>Put it in my black cart</b>	583	88.5
<b>Use another regional recycle station</b>	25	3.8
<b>Other: Please specify</b>	51	7.7
<b>Total</b>	659	100.0

- 2b. Are you aware that large pieces of Styrofoam packaging can be taken to the Broadview Enviroservice Station?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	277	41.8
<b>No</b>	386	58.2
<b>Total</b>	663	100.0

**Analysis:** When looking at how people dispose of Styrofoam, a minority of respondents (35%) always take it to the Broadview Enviroservice Station. However, an equal minority (31%) rarely or never do this. Of the 34% remaining, most take their Styrofoam to the Broadview Enviroservice Station usually or sometimes.

Those who rarely or never take their Styrofoam to the Broadview Enviroservice Station (32%), almost always put it in their black cart (88.5% of respondents). Most are not aware it can be taken to the Broadview Enviroservice Station, though a strong minority are aware.

For the OTHER category in #2a above, 44 responses were received but no significant themes emerged. A wide variety of responses with the following as some of the themes:

- Dispose if it at work
- Throw it into the black cart or other garbage
- Landfill
- Place in blue bag for curbside pick-up
- Envirostation or other recycle facility

## Glass

3. Typically, when I have glass bottles and containers, I take them to the Broadview Enviroservice Station, Ardrossan Recycle Station, or South Cooking Lake recycle events since these items are no longer accepted in the blue bag.

	<b>Responses</b>	<b>Percent</b>
<b>Always</b>	774	36.8
<b>Usually</b>	233	11.1
<b>Sometimes</b>	199	9.4
<b>Rarely</b>	252	12.0
<b>Never</b>	627	29.8
<b>Never have this type of waste</b>	21	1.0
<b>Total</b>	2106	100.0

- 3a. For those who selected rarely or never (41.8%), do you:

	<b>Responses</b>	<b>Percent</b>
<b>Put it in my black cart</b>	659	75.8
<b>Use another regional recycle station</b>	61	7.0
<b>Other: Please specify</b>	149	17.2
<b>Total</b>	869	100.0





- 4b. Are you aware that household hazardous waste should be taken to the Broadview Enviroservice Station, rural Enviroservice events or a regional ecostation?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	106	67.5
<b>No</b>	51	32.5
<b>Total</b>	157	100.0

**Analysis:** A strong majority of respondents (over 85%) either always or usually dispose of their hazardous waste at an Enviroservice Station or event. Very few respondents (7.5%) do not dispose of their waste in this way.

Of this minority (7.5%), approximately 39% of the minority put this waste into their black carts, and about 61% of them know of alternatives. However, this information should be put into context as it represents less than 3% (62) of over 2000 survey responses.

For the OTHER category in #4a above, there were forty-three (43) responses. Ten (23%) responses state the material is stored at home/garage, with seven (16%) responses each in the categories of landfill, recycling centre, or workplace.

## Reusable Items

5. Typically, I donate reusable items such as clothing, furniture, appliances and electronics to local thrift stores, donation bins, to family/friends, or to upcycling groups or online groups that exchange or pass used items onto others.

	<b>Responses</b>	<b>Percent</b>
<b>Always</b>	1282	60.9
<b>Usually</b>	651	30.9
<b>Sometimes</b>	138	6.6
<b>Rarely</b>	25	1.2
<b>Never</b>	6	.3
<b>This is not something I have considered</b>	3	.1
<b>Total</b>	2105	100.0

- 5a. Have you ever considered donating reusable items?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	824	97.3
<b>No - Please tell us why</b>	23	2.7
<b>Total</b>	847	100.0



6b. Typically, I use a reusable mug to buy coffee or another beverage.

	<b>Responses</b>	<b>Percent</b>
<b>Always</b>	179	10.1
<b>Usually</b>	359	20.2
<b>Sometimes</b>	376	21.2
<b>Rarely</b>	388	21.9
<b>Never</b>	421	23.7
<b>This is not something I have considered</b>	52	2.9
<b>Total</b>	1775	100.0
<b>Not applicable</b>	324	

6c. I try not to buy a product that has lots of packaging that would end up in the landfill.

	<b>Responses</b>	<b>Percent</b>
<b>Always</b>	107	5.1
<b>Usually</b>	486	23.3
<b>Sometimes</b>	756	36.2
<b>Rarely</b>	297	14.2
<b>Never</b>	152	7.3
<b>This is not something I have considered</b>	291	13.9
<b>Total</b>	2089	100.0

6d. Typically, I use reusable containers for my packed lunches, leftovers, etc. (no plastic wrap or single-use bags)

	<b>Responses</b>	<b>Percent</b>
<b>Always</b>	703	33.5
<b>Usually</b>	931	44.4
<b>Sometimes</b>	323	15.4
<b>Rarely</b>	87	4.2
<b>Never</b>	37	1.8
<b>This is not something I have considered</b>	15	.7
<b>Total</b>	2096	100.0

6e. Typically, I use refillable containers when buying in bulk (where available/allowed).

	<b>Responses</b>	<b>Percent</b>
<b>Always</b>	118	5.6
<b>Usually</b>	316	15.1
<b>Sometimes</b>	385	18.4
<b>Rarely</b>	429	20.5
<b>Never</b>	471	22.5
<b>This is not something I have considered</b>	373	17.8
<b>Total</b>	2092	100.0

**Analysis:** Bulk purchasing trends towards using fewer refillable containers. While some respondents (approximately 20%) do use refillable containers, they are a minority.

The vast majority of respondents donate reusable items. Fifteen (15) responses were received on NO – please tell us why. No themes emerged. Comments included inconvenience, lack of knowledge, and not willing to share used items.

When it comes to small items that cannot be donated most residents (over 60%) do not repurpose them or drop them off at a reuse centre, and many (21%) haven't even considered it. The majority of respondents (57%) are aware of options, but they opt not to reuse small items.

Respondents' treatment of reusable bags starts strong with grocery shopping where the vast majority of respondents reuse their bags. When it comes to produce bags, reuse trends down where 23% of respondents reuse them always, 34% reuse them sometimes, 30% do not reuse them, and the rest of respondents had not considered reusing produce bags.

For reusable coffee and beverage cups, only 10% of respondents always use a reusable cup. However, 20% usually use them. For the remainder, use of reusable cups is inconsistent or not done.

Respondents are mostly in the middle of the road when it comes to tying their purchases to packaging, with a lean towards preferring less packaging. Very few respondents always or never buy a product because of its packaging.

The vast majority of respondents use reusable containers for leftovers and packed lunches in some way. While the trend is towards reusable, a minority of respondents (33.5%) do this always. Very few respondents do not use reusable containers.

## WILLINGNESS to CHANGE

**KEY THEMES:** Participants were asked a wide range of questions about whether they are willing to change what they do to increase their waste diversion. These included increasing blue bag use, dropping items at an EnviroService Station and community waste/recycling centres, and changing how they accept packaging and cutlery from restaurants and stores. By asking these questions, Strathcona County professionals can address any obstacles and/or barriers; and develop pathways forward to improve waste management in the County.

In most cases, **either a strong minority (approximately 35%) or a simple majority (50% or slightly above) said “I’m willing to continue what I’m presently doing”.** In other words, **they are happy with the status quo and have little appetite for change.**

Additionally, the **willingness to change for most of the listed items had a strong minority of people, usually near 35%, who expressed a willingness to increase their waste diversion.**

Notable exceptions to this trend include:

- Reusable mugs, where 36.8% want the status quo and 35.3% want to do more, with the remainder split between convenience and unwillingness to do more
- Restaurant take away containers, where 47% are not willing to use reusable containers
- Saying no to plastic cutlery and straws, where 40.9% are willing to do more and the remainder are split
- Buying products with less packaging, where 36% of people are willing to do more, 33.7% do the same, and then a smaller minority (22%) are willing to do what’s convenient
- Grass cycling, where only 25.5% are willing to do more

7. How willing are you to take the following actions to increase your waste diversion?

	<b>Very willing to increase my efforts in this area</b> Responses (%)	<b>I'm willing to continue what I'm presently doing</b> Responses (%)	<b>I'm willing to do this, but only if it is convenient</b> Responses (%)	<b>I'm not willing to take this action</b> Responses (%)	<b>Total Responses (%)</b>
<b>Curbside recycling</b> (blue bags)	677 (39.7)	877 (51.4)	131 (7.7)	22 (1.3)	1707 (100)
<b>Glass/large pieces of Styrofoam packaging/Non-deposit tetra packs</b> (soup and food cartons) to Broadview EnviroService Station.	643 (37.3)	648 (37.6)	300 (17.4)	131 (7.6)	1722 (100)
<b>Household hazardous waste</b> (paint, oil, chemicals, fluorescent lightbulbs, electronics, batteries, etc.) to Broadview EnviroService Station.	643 (37.3)	935 (55.0)	111 (6.5)	19 (1.1)	1699 (100)
<b>Reuse items for crafts or take odds and ends to reuse centres</b> like Hodgepodge Lodge.	720 (42.8)	388 (23.1)	406 (24.1)	168 (10.0)	1682 (100)
<b>Donate/upcycle no longer wanted/needed useable items.</b>	587 (34.0)	1032 (59.7)	95 (5.5)	14 (.8)	1728 (100)
<b>Place food waste in organics cart.</b>	601 (35.4)	973 (57.3)	73 (4.3)	52 (3.1)	1699 (100)
<b>Place soiled paper</b> (napkins, tissues, paper towels, etc.) <b>in organics cart.</b>	694 (40.7)	887 (52.0)	78 (4.6)	47 (2.8)	1706 (100)

<b>Grass cycle:</b> mow and leave clippings on lawn.	408 (25.5)	899 (56.2)	59 (3.7)	234 (14.6)	1600 (100)
<b>Use my own reusable bags for shopping.</b>	650 (37.6)	960 (55.6)	69 (4.0)	48 (2.8)	1727 (100)
<b>Take a reusable mug to buy coffee or another beverage.</b>	527 (35.3)	550 (36.8)	234 (15.7)	183 (12.2)	1494 (100)
<b>Use reusable containers for my packed lunches, leftovers, etc.</b> (no plastic wrap or single-use bags).	540 (32.4)	1014 (60.8)	85 (5.1)	28 (1.7)	1667 (100)
<b>Take my own reusable containers to restaurants for leftovers.</b>	352 (22.2)	230 (14.5)	257 (16.2)	744 (47.0)	1583 (100)
<b>Say no when offered items like plastic cutlery and straws.</b>	692 (40.9)	367 (21.7)	373 (22.0)	262 (15.5)	1694 (100)
<b>Purchase products that do not have lots of packaging or buy in bulk.</b>	619 (36.0)	580 (33.7)	379 (22.0)	141 (8.2)	1719 (100)

## BARRIERS to CHANGE

### 8. What are the things that get in your way of increasing your waste diversion, if any?

**KEY THEMES:** We asked respondents to tell us **what is getting in the way** of increasing waste diversion so Strathcona County can plan supports and programs in the future waste management roadmap. Respondents were asked to select all that apply from the options listed, meaning the total percent may be more than 100%.

**The highest proportion of respondents (767 or 39%) told us they are doing everything they can within the Green Routine.** Following that, about 25% of respondents say they:

- lack the space,
- lack an understanding of what goes where, and/or
- find it inconvenient.

An even smaller group, 13%, said they didn't have the time. Very few, all less than 10%, of respondents stated they, or their households, lacked the willingness or stomach to do the work.

Options	Responses	Percent
<b>Nothing, I already divert everything I can, according to the Green Routine</b>	767	38.8
<b>Lack of space for storage of bags/containers</b>	496	25.1
<b>Lack of time</b>	254	12.8
<b>It's inconvenient</b>	494	25.0
<b>I'm not always sure what goes where (it's confusing)</b>	539	27.2
<b>I don't have enough information on how to improve</b>	111	5.6
<b>It's gross</b>	113	5.7
<b>I'm not convinced it really benefits the environment</b>	104	5.3
<b>Others in my household are not interested</b>	174	8.8



## HELPING CHANGE

9. If you could save money on your utility bill for the waste pickup charges, would you be willing to divert more of your waste through the actions listed above?

	Responses	Percent
<b>Yes</b>	1203	62.5
<b>No</b>	220	11.4
<b>Not sure</b>	503	26.1
<b>Total</b>	1926	100.0

**Analysis:** A majority of respondents believe that if they could save money on their utility bill, they would be willing to do more to divert waste. Some are not sure while a minority would not change. (To read more about what respondents think about this topic, please see question #12 on the Future of Waste management.)

## LEARNING THE GREEN ROUTINE

10. Participants were asked what the best ways would be to learn more about the Green Routine and other household waste management options. (Respondents picked up to five options.)

Options	Responses	Percent
<b>Newspaper advertisements</b>	404	20.4
<b>Waste collection calendar</b>	1144	57.9
<b>Facebook, Twitter, or other social media</b>	599	30.3
<b>Brochures or newsletters</b>	415	21.0
<b>An app that would work on an iPhone, Android, or other portable device</b>	1067	54.0
<b>Information with your utility bill</b>	782	39.6
<b>Community events and workshops</b>	179	9.0
<b>Strathcona County website</b>	1009	51.0
<b>From a child who had a school presentation</b>	147	7.4
<b>Direct communications, such as door knockers, cart hangers or mail</b>	260	13.1

**Analysis:** To participate in the Green Routine, respondents need to know about it. They shared with us what the best ways are for them to get information. Leading responses included tools such as a waste collection calendar, the County website, and a smartphone app; over 50% of respondents chose these tools as preferred methods of receiving information. Additionally, 40% supported having information sent through utility bills.

- 10a. Are there other ways to help you learn more about the Green Routine and other household waste management options?

	Responses	Percent
<b>Unchecked (no)</b>	1850	93.5
<b>Checked (yes)</b>	128	6.5
<b>Total</b>	1978	100.0



**Analysis:** 127 responses. The largest group of responses around communications was for email or text communication (35 or 28%) followed by forms of print communications (poster, calendar, guidebook, utility bill, and other) (16 or 13%). A minority of respondents also like communications on the black or green collection carts (12 or 9%).

The current County waste management application received 9 responses and the website 7 responses. 13 comments were provided that the communications require more clarity.

## EVERYONE'S ROLE

**KEY THEMES:** This section of the survey asked about how responsible different groups should be in diverting waste. The categories were: single family households, businesses, hotels/short term accommodations, multi-unit properties, non-profits, institutions, and Strathcona County.

**Respondents delivered the message that waste diversion is a shared responsibility amongst all identified groups.** In the strongest indicator, respondents answered "highly involved" for Strathcona County at 90% and businesses at 85%. Most respondents (72% or higher) also felt that single family homes and other categories should also be highly involved.

11. How responsible should the following be in diverting waste?

	<b>Highly involved</b> Responses (%)	<b>Moderately involved</b> Responses (%)	<b>Somewhat involved</b> Responses (%)	<b>Slightly involved</b> Responses (%)	<b>Not involved at all</b> Responses (%)	<b>Total Responses (%)</b>
<b>Single family households</b>	1280 (74.2)	330 (19.1)	85 (4.9)	22 (1.3)	9 (.5)	1726 (100)
<b>Businesses</b> (restaurants, grocery stores, retail, offices, etc.)	1473 (85.4)	187 (10.8)	41 (2.4)	13 (.8)	11 (.6)	1725 (100)
<b>Hotels, motels, Airbnbs and other accommodations</b>	1440 (83.7)	213 (12.4)	41 (2.4)	10 (.6)	17 (1.0)	1721 (100)
<b>Multi-unit properties</b> (apartments, senior living facilities, condos, etc.)	1368 (79.3)	271 (15.7)	54 (3.1)	11 (.6)	21 (1.2)	1725 (100)
<b>Not-for-profits.</b>	1236 (72.0)	351 (20.4)	93 (5.4)	19 (1.1)	18 (1.0)	1717 (100)
<b>Institutions</b> (hospital, healthcare centres/clinics, schools, places of worship, etc.)	1397 (81.3)	238 (13.8)	54 (3.1)	13 (.8)	17 (1.0)	1719 (100)
<b>Strathcona County</b> (municipal government)	1562 (90.8)	117 (6.8)	23 (1.3)	6 (.3)	13 (.8)	1721 (100)





**MANUFACTURERS AND SOURCE SUPPLIERS (67 or 9%):** The vast majority of respondents (60-plus responses) believe that the manufacturers and producers of packaging that is not recyclable need to be held more accountable for the packaging they manufacture and produce (mainly plastics). Many of the respondents allude to wanting Strathcona County or other government entities to take an active role in establishing standards that limit or discontinue the use of packaging that is not recyclable. Some respondents allude to financial incentives or penalties.

**MARKETS and NEW WAYS (54 or 7%):** A major theme of respondents was encouragement for Strathcona County to find new markets and/or options to take our recyclables (including plastic).

**GLASS, STYROFOAM, METAL, HAZARDOUS, WOOD, ELECTRONICS (32 or 4%):** The vast majority of respondents commented on their desire to have the County start to accept Styrofoam and glass again in their recycling at the curb.

**COMPOSTING, ORGANICS, and GREEN CARTS (22 or 3%):** Comments on a variety of topics with no themes emerging: comments on smell and pests, sizing of bins and carts, bags, yard ideas, composting, and frequency of pick-up.

**SCHOOLS (21 or 3%):** Respondents state that they would like to see more options in schools for waste diversion. Respondents also share that they would like to see more education on waste diversion in schools.

**GRASSCYCLING and YARD WASTE (10 or 1%):** The majority of respondents (7 of 10) voiced their dissatisfaction with the requirement to use paper bags for grass and yard waste.

**REUSE (8 or 1%):** Comments on a variety of topics with no themes emerging: garage sale, more information needed, sharing free items from the home, and pick-up of donation items.

## ASSESSMENT of WASTE MANAGEMENT

For the assessment portion of the survey, respondents were asked where they live and if in a rural setting outside of a rural hamlet, whether or not they received Green Routine services or not. (Sherwood Park residents, with the exception of multi-family complex or condo residents, automatically receive Green Routine services.)

### SHERWOOD PARK RESIDENTS

(excluding multi-family complex or condo residents)

14. On average, how much waste do you put in your black cart every two weeks?

	Responses	Percent
<b>25% full</b>	174	9.9
<b>Half full</b>	334	18.9
<b>75% full</b>	365	20.7
<b>Full</b>	595	33.7
<b>Overflowing</b>	234	13.3
<b>Use two carts</b>	64	3.6
	1766	100.0







14o. How many bags do you put out on average per pickup?

	<b>Responses</b>	<b>Percent</b>
<b>One to five</b>	590	56.4
<b>Six to ten</b>	284	27.2
<b>Eleven to fifteen</b>	106	10.1
<b>Sixteen to twenty</b>	35	3.3
<b>More than twenty</b>	31	3.0
<b>Total</b>	1046	100.0

14p. How often do you use seasonal extra yard waste collection in the Spring?

	<b>Responses</b>	<b>Percent</b>
<b>Both weeks in the spring</b>	383	36.7
<b>One week in the spring</b>	627	60.1
<b>Do not put extra yard waste out in the spring</b>	34	3.3
<b>Total</b>	1044	100.0

14q. How often do you use seasonal extra yard waste collection in the Fall?

	<b>Responses</b>	<b>Percent</b>
<b>Both weeks in the fall</b>	402	38.5
<b>One week in the fall</b>	514	49.3
<b>Do not put extra yard waste out in the fall</b>	127	12.2
<b>Total</b>	1043	100.0

14r. In the last two years, have you participated in the Christmas tree collection?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	214	12.2
<b>No</b>	1543	87.8
<b>Total</b>	1757	100.0

14s. Strathcona County currently collects Christmas trees over two consecutive weeks. Would it be acceptable to you if we offered this service for one week only?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	156	72.9
<b>No</b>	45	21.0
<b>Don't care</b>	13	6.1
<b>Total</b>	214	100.0









16d. Do you know where to find information about what can be put into the green cart?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	33	97.1
<b>No</b>	0	0.0
<b>Not Sure</b>	1	2.9
<b>Total</b>	34	100.0

16e. Do you participate in the blue bag recycling program?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	68	100.0
<b>No</b>	0	0
<b>Not Sure</b>	0	0
<b>Total</b>	68	100.0

*This question was only asked to determine if respondents living in a multi-family dwelling should answer the next round of questions.*

16e.1 Do you put out your recycling?

	<b>Responses</b>	<b>Percent</b>
<b>Weekly</b>	49	73.1
<b>Once every two weeks</b>	17	25.4
<b>Once a month</b>	1	1.5
<b>Total</b>	67	100.0

16e.2. On average, when I put out my recycling, I put out:

	<b>Responses</b>	<b>Percent</b>
<b>Less than one bag/reusable container</b>	2	4.8
<b>One bag/reusable container</b>	31	73.8
<b>Two bags/reusable containers</b>	8	19.0
<b>Four or more bags/reusable containers</b>	1	2.4
<b>Total</b>	42	100.0

16e.3 Please check the option that shows how your household best uses the curbside recycling program (Blue bags/box), on average:

	<b>Responses</b>	<b>Percent</b>
<b>I recycle as much as possible</b>	51	75.0
<b>I sort out obvious recyclable items but am not extremely picky</b>	11	16.2
<b>I sort out some recyclable items, but I get confused about where some items go, so I use the black bin instead</b>	6	8.8
<b>Total</b>	68	100.0

16e.4 Do you know where to find information about what can be recycled in the curbside program?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	37	92.5
<b>No</b>	2	5.0
<b>Not sure</b>	1	2.5
<b>Total</b>	40	100.0

16e.5. In the last two years, have you participated in large item pick-up?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	44	64.7
<b>No</b>	24	35.3
<b>Total</b>	68	100.0

16e.6. How many items do you put out on average per pick-up?

	<b>Responses</b>	<b>Percent</b>
<b>One</b>	31	70.5
<b>Two</b>	13	29.5
<b>Total</b>	44	100.0

16e.7 The large item collection occurs twice a year, once in the spring and once in the fall. How often do you use the large item pick-up?

	<b>Responses</b>	<b>Percent</b>
<b>Twice a year</b>	22	50.0
<b>Once a year</b>	18	40.9
<b>Every other year</b>	4	9.1
<b>Total</b>	44	100.0

16e.8 In the last two years, have you participated in seasonal extra yard waste collection?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	13	19.1
<b>No</b>	55	80.9
<b>Total</b>	68	100.0

16e.9 How many bags do you put out on average per pick up?

	<b>Responses</b>	<b>Percent</b>
<b>One to five</b>	13	100.0
<b>Total</b>	13	100.0

16e.10 How often do you use seasonal extra yard waste collection in the Spring?

	<b>Responses</b>	<b>Percent</b>
<b>Both weeks in the spring</b>	3	23.1
<b>One week in the spring</b>	8	61.5
<b>Do not put extra yard waste out in the spring</b>	2	15.4
<b>Total</b>	13	100.0

16e.11 How often do you use seasonal extra yard waste collection in the Fall?

	<b>Responses</b>	<b>Percent</b>
<b>Both weeks in the fall</b>	3	23.1
<b>One week in the fall</b>	7	53.8
<b>Do not put extra yard waste out in the fall</b>	3	23.1
<b>Total</b>	13	100.0

16e.12 In the last two years, have you participated in the Christmas tree collection?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	3	4.4
<b>No</b>	65	95.6
<b>Total</b>	68	100.0

16e.13 Strathcona County currently collects Christmas trees over two consecutive weeks. Would it be acceptable to you if we offered this service for one week only?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	2	66.7
<b>Don't care</b>	1	33.3
<b>Total</b>	3	100.0



17a. Does your building/complex have bins/carts for recycling materials?

	Responses	Percent
<b>Yes</b>	21	80.8
<b>No</b>	5	19.2
<b>Total</b>	26	100.0

17b. How do you manage your recycling?

	Responses	Percent
<b>I don't manage it, I throw it all out</b>	1	20.0
<b>I take them to a recycle station</b>	4	80.0
<b>Total</b>	5	100.0

17c. What items do you recycle?

	Responses	Percent
<b>Cardboard</b>	21	100.0
<b>Paper</b>	19	90.5
<b>Tin / aluminum</b>	13	61.9
<b>Plastic containers</b>	16	76.2
<b>Glass</b>	12	57.1
<b>Refundable beverage containers</b>	18	85.7

17d. For those items you did not check off, how do you manage them?

	Responses	Percent
<b>I don't manage it; I throw it all out</b>	7	33.3
<b>I take them to a recycle station</b>	6	28.6
<b>I recycle everything</b>	8	38.1
<b>Total</b>	21	100.0

17e. Where do you take your recyclables?

	Responses	Percent
<b>Broadview Enviroservice Station in Sherwood Park</b>	8	80.0
<b>Other: Please explain</b>	2	20.0
<b>Total</b>	10	100.0

For the **Other** category, two (2) responses were received: Southgate Shopping Centre as they take all plastic glass and other recycling. Or Broadview if in a rush. And refundables go to a return center. Recycling goes in a blue bag on the ground at the end of our row.





17k. What would help you put less waste into our landfills:

	Responses	Percent
<b>More information on how to recycle or reuse packaging</b>	7	26.9
<b>More information on how to reduce waste</b>	9	34.6
<b>Different ways of disposing of used materials</b>	16	61.5
<b>Different places to take used materials</b>	10	38.5
<b>Other ways</b>	12	46.2

For the **Other ways** category, eleven (11) responses were received with a wide variety of responses:

- Collection of green bins
- Recycle plastics
- Opportunity to compost in a condo
- Ease of disposing
- Access to more disposal options
- Less plastic packaging and manufacturing

### Analysis

- **Garbage thrown out each week:** 46% thrown out less than one bag and 46% throw out one bag.
- **Building having bins/carts for recycling materials:** 80%.
- **How do you manage your recycling?** 80% said take it to a recycling station.
- **Recycled items:** Cardboard (100% of respondents), Paper (90%), Tin (62%), Plastic containers (76%), Glass (57%), and Refundable containers (86%). 80% take the items to the Broadview Enviroservice Station.
- **Organic waste:** 80% say there is no organic waste bin at their building, 100% say they use it if it is available with 2 of 3 respondents saying they put all types of waste possible in the green cart, and 83% say they do not manage organic waste at all.
- **Willingness to do more:** 89% very willing.
- **What would help you put less waste into our landfills?** Top response was "different ways of disposing of used materials".

### Multi-family Complex or Condo Demographic Questions

18. Including yourself, how many people live in your household?

	Responses	Percent
<b>One</b>	24	25.5
<b>Two</b>	47	50.0
<b>Three</b>	10	10.6
<b>Four</b>	9	9.6
<b>Five or more</b>	4	4.3
<b>Total</b>	94	100.0



















**RURAL OTHER**

This category includes residents who do not live in a rural hamlet and have the choice whether or not to receive Green Routine services.

21. Do you receive curbside/roadside waste collection services (Green Routine program) from Strathcona County?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	229	86.1
<b>No - I live on an acreage or farm and do not use the County waste collection program</b>	37	13.9
<b>Total</b>	266	100.0

**ON GREEN ROUTINE**

The following questions were available for those respondents that answered **Yes** above and use the Green Routine program:

21a. On average, how much waste do you put in the black cart every two weeks?

	<b>Responses</b>	<b>Percent</b>
<b>25% full</b>	18	7.8
<b>Half full</b>	44	19.1
<b>75% full</b>	50	21.7
<b>Full</b>	85	37.0
<b>Overflowing</b>	24	10.4
<b>Use two carts</b>	9	3.9
<b>Total</b>	230	100.0

21b. On average, when I put out my organics in my green cart every two weeks, it is:

	<b>Responses</b>	<b>Percent</b>
<b>25% full</b>	47	20.4
<b>Half full</b>	66	28.7
<b>75% full</b>	52	22.6
<b>Full</b>	46	20.0
<b>Overflowing</b>	6	2.6
<b>Use two carts</b>	3	1.3
<b>We do not have a green cart</b>	10	4.3
<b>Total</b>	230	100.0

21c. Please check the option that shows what your household typically puts into the organic green cart:

	<b>Responses</b>	<b>Percent</b>
<b>Put in kitchen scraps and yard waste</b>	33	15.1
<b>Put in kitchen scraps only</b>	25	11.5
<b>Put in yard waste only</b>	22	10.1
<b>I put in everything possible (such as) all yard waste (if applicable), all kitchen scraps, spoiled food that is removed</b>	138	63.3
<b>Total</b>	218	100.0

21d. Do you know where to find information about what can be put into the green cart?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	144	92.3
<b>No</b>	4	2.6
<b>Not Sure</b>	8	5.1
<b>Total</b>	156	100.0

21e. Do you participate in the blue bag recycling program?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	224	97.8
<b>No</b>	5	2.2
<b>Total</b>	229	100.0

21f. Do you put out your recycling?

	<b>Responses</b>	<b>Percent</b>
<b>Weekly</b>	150	67.0
<b>Once every two weeks</b>	58	25.9
<b>Once a month</b>	16	7.1
<b>Total</b>	224	100.0

21g. On average, when I put out my recycling, I put out

	<b>Responses</b>	<b>Percent</b>
<b>Less than one bag/reusable container</b>	12	10.4
<b>One bag/reusable container</b>	56	48.7
<b>Two bags/reusable containers</b>	32	27.8
<b>Three bags/reusable containers</b>	11	9.6
<b>Four or more bags/reusable containers</b>	4	3.5
<b>Total</b>	115	100.0

21h. Please check the option that shows how your household best uses the curbside recycling program (Blue bags/box), on average:

	<b>Responses</b>	<b>Percent</b>
<b>I recycle as much as possible</b>	153	68.3
<b>I sort out obvious recyclable items but am not extremely picky</b>	39	17.4
<b>I sort out some recyclable items, but I get confused about where some items go, so I use the black bin instead</b>	30	13.4
<b>I don't sort recycling at all</b>	2	.9
<b>Total</b>		100.0

21i. Do you know where to find information about what can be recycled in the curbside program?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	139	92.7
<b>No</b>	3	2.0
<b>Not sure</b>	8	5.3
<b>Total</b>	150	100.0

21j. In the last two years, have you participated in large item pick-up?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	166	73.5
<b>No</b>	60	26.5
<b>Total</b>	226	100.0

21k. How many items do you put out on average per pick-up?

	<b>Responses</b>	<b>Percent</b>
<b>One</b>	108	65.5
<b>Two</b>	57	34.5
<b>Total</b>	165	100.0

21l. The large item collection occurs twice a year, once in the spring and once in the fall. How often do you use the large item pick-up?

	<b>Responses</b>	<b>Percent</b>
<b>Twice a year</b>	82	49.4
<b>Once a year</b>	63	38.0
<b>Every other year</b>	21	12.7
<b>Total</b>	166	100.0

21m. In the last two years, have you participated in seasonal extra yard waste collection?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	48	21.2
<b>No</b>	178	78.8
<b>Total</b>	226	100.0

21n. How many bags do you put out on average per pickup?

	<b>Responses</b>	<b>Percent</b>
<b>One to five</b>	15	32.6
<b>Six to ten</b>	16	34.8
<b>Eleven to fifteen</b>	8	17.4
<b>Sixteen to twenty</b>	2	4.3
<b>More than twenty</b>	5	10.9
<b>Total</b>	46	100.0

21o. How often do you use seasonal extra yard waste collection in the Spring?

	<b>Responses</b>	<b>Percent</b>
<b>Both weeks in the spring</b>	16	34.0
<b>One week in the spring</b>	27	57.4
<b>Do not put extra yard waste out in the spring</b>	4	8.5
<b>Total</b>	47	100.0

21p. How often do you use seasonal extra yard waste collection in the Fall?

	<b>Responses</b>	<b>Percent</b>
<b>Both weeks in the fall</b>	13	27.7
<b>One week in the fall</b>	21	44.7
<b>Do not put extra yard waste out in the fall</b>	13	27.7
<b>Total</b>	47	100.0

21q. In the last two years, have you participated in the Christmas tree collection?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	10	4.4
<b>No</b>	216	95.6
<b>Total</b>	226	100.0

21r. Strathcona County currently collects Christmas trees over two consecutive weeks. Would it be acceptable to you if we offered this service for one week only?

	Responses	Percent
<b>Yes</b>	9	90.0
<b>Don't care</b>	1	10.0
<b>Total</b>	10	100.0

### Analysis

- **Black carts:** Are typically full (37%), 75% full (22%), or half full (19%).
- **Green carts:** 50% full (29%), 75% full (23%), 25% full (20%), and full (20%). 63% say they put in everything possible. 92% say they know where information is on what goes in the green cart.
- **Recycling:** 98% participate in blue bag recycling, almost 67% put the recycling out weekly, 49% put out one bag/container and 28% put out two, 68% say they recycle as much as possible, and almost 93% know where to find information on recycling.
- **Large item pick-up:** 73% use this program, 65% put out one item, and almost 50% use the program twice per year with 38% once per year.
- **Seasonal extra yard waste collection:** Almost 80% do not use this program, for those who use it 33% put out one to five bags and 35% put out six to ten, 57% use one week in the spring, and the majority response for the fall was to use one week.
- **Christmas tree collection:** 95% do not use the program, with 90% saying one week of collection would be ok.

### OFF GREEN ROUTINE

The following questions were available for those respondents that answered **No** above and do not use the Green Routine program:

22. Waste Management Service Provider Preferences

	Responses	Percent
<b>I prefer to manage waste on my own instead of the waste collection services offered by Strathcona County</b>	18	48.6
<b>I use methods that do not cost as much instead of the waste collection services offered by Strathcona</b>	13	35.1
<b>I don't want to participate in recycling and organics instead of the waste collection services offered by Strathcona County</b>	1	2.7
<b>I want a service that picks up unlimited garbage weekly instead of the waste collection services offered by Strathcona County</b>	4	10.8
<b>I want to support a private waste management provider instead of the waste collection services offered by Strathcona County</b>	3	8.1
<b>Other specified preferences</b>	13	35.1
<b>Total</b>	37	100.0

For the **Other** specified preferences, twelve (12) responses were received with four responses related to organics including managing compost without service. Two responses were in opposition to the fees charged, two were around frequency of pick-up not often enough, and two were around convenience with the driveway being too long for roadside pick-up.

22a. How do you manage your garbage (materials that can't be recycled, reused, or composted)?

	<b>Responses</b>	<b>Percent</b>
<b>I take it to a facility that accepts waste</b>	17	45.9
<b>I use a private waste management provider</b>	17	45.9
<b>I burn it</b>	10	27.0
<b>I bury it on my property</b>	2	5.4
<b>Other</b>	2	5.4

For the **Other** category, one (1) response was received: haul to dump.

22b. Please choose the typical facility that you use for disposing your waste:

	<b>Responses</b>	<b>Percent</b>
<b>Broadview Enviroservice Station in Sherwood Park</b>	5	29.4
<b>Fort Saskatchewan Recycle Station</b>	2	11.8
<b>City of Edmonton Waste Management Centre</b>	8	47.1
<b>Other: Please explain</b>	2	11.8
<b>Total</b>	17	100.0

For the **Other** category, two (2) responses were received: Take it to a dumpster at work. Ardrossan.

22c. How much garbage do you throw away/dispose of each week?

	<b>Responses</b>	<b>Percent</b>
<b>Less than 1 large black bag</b>	14	37.8
<b>Amount equal to 1 large black bag</b>	12	32.4
<b>Amount equal to 2 large black bags</b>	7	18.9
<b>Amount equal to 3 large black bags</b>	1	2.7
<b>Amount equal to 4 large black bags</b>	2	5.4
<b>Amount equal to 5 or more large black bags</b>	1	2.7
<b>Total</b>	37	100.0



22e. How do you manage your recycling? Recycling products include cardboard, glass, large pieces of Styrofoam packaging, paper, and hard plastics. (Check all that apply)

	<b>Responses</b>	<b>Percent</b>
<b>I take it to a recycle station</b>	32	86.5
<b>I use a private waste management provider</b>	9	24.3
<b>I use a private waste management provider</b>	4	10.8
<b>I throw it all out with the rest of my garbage</b>	1	2.7
<b>Other</b>	3	8.1
<b>Total</b>	37	100.0

For the **Other** category, three (3) responses: Burn cardboard that is not treated and also use it in the garden, Use eco station IF it is open, and I take it to Calgary, and throw it in the recycle bin at the condo I live in.

22f. Please choose the typical facility that you use for disposing your waste:

	<b>Responses</b>	<b>Percent</b>
<b>Broadview Enviroservice Station in Sherwood Park</b>	14	43.8
<b>Ardrossan Recycle Station</b>	10	31.3
<b>Fort Saskatchewan Recycle Station</b>	2	6.3
<b>Other: Please explain</b>	6	18.8
<b>Total</b>	32	100.0

For the **Other** category, six (6) responses were received: Only take water bottles to Ardrossan store; WASTE to Edm Waste Mngmt, Recycling to Broadview; City of Edmonton; Prior to Josephburg closing we took our recycling there; Edmonton. I pass it on my way to work; and I take it to Edmonton because nothing it here ever send to be open.

22g. How do you manage your organic waste materials (food waste, yard waste, etc.)

	<b>Responses</b>	<b>Percent</b>
<b>Take to a recycle station</b>	5	13.5
<b>Home compost some materials</b>	14	37.8
<b>Feed it to animals</b>	7	18.9
<b>Burn it</b>	3	8.1
<b>I throw it all out with the rest of the garbage</b>	15	40.5
<b>Other</b>	8	21.6

For the **Other** category, seven (7) responses. Six responses stated composting.

22h. Please choose the typical station that you use for disposing of your organic materials

	Responses	Percent
<b>Broadview Enviroservice Station in Sherwood Park</b>	5	100.0
<b>OTHER: please explain</b>	0	0
<b>Total</b>	5	100.0

*This question was asked to both on Green Routine and off Green Routine respondents:*

22i. What would be your three priorities for residential waste collection services?

	Top ranking Responses (%)	Second ranking Responses (%)	Third ranking Responses (%)	Total
<b>Cost</b>	64 (38.6)	42 (25.3)	60 (36.1)	166 (100)
<b>Convenience of curb/ roadside pick-up</b>	78 (37.7)	72 (34.8)	57 (27.5)	207 (100)
<b>Diversion of materials from landfill</b>	77 (45.8)	49 (29.2)	42 (25.0)	168 (100)
<b>Reliable level of service</b>	17 (11.7)	70 (48.3)	58 (40.0)	145 (100)
<b>Everyone pays based on what they throw out (equity)</b>	20 (27.0)	20 (27.0)	34 (45.9)	74 (100)
<b>Total responses per ranking</b>	256	253	251	

**Analysis:** Other rural respondents ranked convenience of curb/roadside pick-up and diversion of materials from landfill as their top priorities. Convenience of curb/roadside pick-up and reliable level of service were the second rankings.

- **Waste Management Service Provider Preferences:** 49% prefer to manage their waste on their own and 35% say they use methods that don't cost as much as Strathcona County.
- **Management of garbage (materials that can't be recycled, reused, or composted):** 46% say they take it to a facility that accepts waste and 46% use a waste management provider.
- **Typical waste facility used:** City of Edmonton Waste Management Centre (47%) and Broadview Enviroservice Station in Sherwood Park (29%).
- **How much garbage disposed of?** 38% less than one large black bag and 32% equal to one large black bag.
- **Managing recycling:** Over 85% take it to a recycling station. 44% take it to Broadview Enviroservice Station in Sherwood Park, and 31% take it to Ardrossan Recycling Station.
- **Managing organic waste material:** 41% throw it out with the rest of the garbage and 38% home compost. Five people answered that they take organic waste to Broadview Enviroservice Station in Sherwood Park.

### Rural Other Demographic Questions

23. Including yourself, how many people live in your household?

	<b>Responses</b>	<b>Percent</b>
<b>One</b>	12	4.7
<b>Two</b>	103	40.1
<b>Three</b>	39	15.2
<b>Four</b>	63	24.5
<b>Five or more</b>	35	13.6
<b>Prefer not to answer</b>	5	1.9
<b>Total</b>	257	100.0

23a. Age Of 96 responding households their age groups include: (total and per cents are higher than 266 or 100% because some households will have more than one age group)

	<b>Responses</b>	<b>Percent</b>
<b>Under Age 5</b>	23	5.0
<b>Age 5 - 12</b>	60	13.0
<b>Age 13 - 17</b>	46	10.0
<b>Ages 18 - 24</b>	32	7.0
<b>Ages 25 - 34</b>	32	7.0
<b>Ages 35 - 44</b>	81	17.0
<b>Ages 45 - 54</b>	68	15.0
<b>Ages 55 - 64</b>	60	13.0
<b>Ages 65 - 74</b>	45	10.0
<b>Ages 75 - 84</b>	15	3.0
<b>Ages 85 and older</b>	1	.02
<b>Totals</b>	463	100.0

23b. Who is primarily responsible for waste management in your household?

	<b>Responses</b>	<b>Percent</b>
<b>Myself</b>	94	36.9
<b>My spouse/partner</b>	20	7.8
<b>Adults only</b>	38	14.9
<b>All household members</b>	103	40.4
<b>Total</b>	255	100.0
<b>Prefer not to answer</b>	2	

23c. The highest level of education I have achieved

	<b>Responses</b>	<b>Percent</b>
<b>Some schooling below high school</b>	2	.8
<b>High school graduate</b>	14	5.5
<b>Some college/technical school</b>	22	8.6
<b>Completed college/technical school</b>	77	30.1
<b>Some university</b>	11	4.3
<b>University undergraduate degree</b>	66	25.8
<b>Some post-graduate education</b>	10	3.9
<b>Post graduate degree</b>	38	14.8
<b>Prefer not to answer</b>	16	6.3
<b>Total</b>	256	100.0

**RURAL OTHER and MULTI-FAMILY COMPLEX or CONDO**

Do you receive curbside/roadside waste collection services (Green Routine program) from Strathcona County?

	<b>Responses</b>	<b>Percent</b>
<b>Yes</b>	298	82.3
<b>No - I live on an acreage or farm and do not use the County waste collection program</b>	37	10.2
<b>No - I live in a multi-family complex or condo (including apartments, duplexes, townhouses, co-ops, etc.)</b>	27	7.5
<b>Total</b>	362	100.0