



Ottawa's Waste Plan

City of Ottawa

Draft Report • 2011-222

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Background & Methodology

The City of Ottawa retained Nanos Research to support the collection and analysis of feedback from Ottawa residents through two surveys about Phase I of the City's 30-year Waste Plan. The questions were designed with input from Nanos Research and all of the survey information was collected by the City of Ottawa.

One survey was conducted in person at the Rideau Centre and several community centers around Ottawa by City of Ottawa staff on October 22nd, 23rd and 29th, 2011. Staff approached Ottawa residents to take the survey on an iPad. A total of 204 Ottawa residents participated in the iPad survey.

The other survey was posted on the City of Ottawa website from October 11th to November 1st, and 651 responses were received. Survey programming was carried out by the City of Ottawa for both surveys. Readers should note that the iPad survey was shorter than the website survey due to the nature of the interview intercept. Nanos Research compiled open-ended responses, prepared the tabulations and wrote the executive summary.

In the report, for questions that were in both surveys, the two data points have been used.

For any questions related to this project, please contact Mitra Thompson, an analyst with Nanos Research. She can be reached at (613) 234-4666 ext 230 or at mthompson@nanosresearch.com.



Executive Summary

Overall, the majority of Ottawa residents who shared their opinions with the City of Ottawa agreed with the vision statement for the 30-year Ottawa Waste Plan. A high proportion of respondents voiced intentions to increase their household waste reduction and diversion efforts, and many cited buying less and recycling or composting more as their most likely methods of waste reduction. More than half were unaware that Ottawa businesses and institutions are required by law to have a plan for waste reduction and recycling. However, the majority supported recycling goals for businesses and institutions, as well as greater cooperation with the City to collect and process more recyclable waste.

For ease of use, we have identified below which questions were in the website survey only and which questions were in both surveys.

Key Findings

Waste Minimization

Reducing Household Waste: A majority of respondents in both surveys felt they could significantly or partially reduce the level of household waste they generate (56.2% in the website survey, 89.2% in the iPad survey). Of note, nearly four in ten website survey respondents (39.4%) said they could not reduce the amount of waste generated by their household (**Q1 iPad, Q1 Website**).

How to Reduce Waste: Two in ten respondents (19.6%) said that buying less would be their most likely method of reducing the waste that they generate, while a further two in ten said that they would recycle or compost more. The top unprompted answer was to reduce the consumption of packaging (9.6%) (**Q2 Website only**).

Likelihood of Household Waste Reduction: One in three website respondents (35.3%) and nearly two in three iPad respondents (64.2%) said their households were likely to reduce the amount of waste that they generate between now and 2015 (**Q2 iPad, Q3 Website**).

Landfill Cost Awareness: Awareness of the cost to taxpayers of a new Ottawa landfill was uneven, although a majority of website survey respondents (60.5%) said they were aware of the cost (**Q4 Website only**).

Cost as Waste-Reduction Incentive: Delaying the cost to taxpayers of a new Ottawa landfill could be a motivation to boost waste minimization efforts: six in ten website respondents (59.3%) and nine in ten iPad respondents (91.7%) said that they were likely or somewhat likely to reduce, reuse and recycle more, knowing that delaying the need for a new landfill would also postpone the need for municipal tax funding to pay for it (**Q3 iPad, Q5 Website**).



Waste Diversion

What's in the Blue Box: Empty paint cans, plastic planting trays and plastic flower pots were the top items that respondents did not typically place in the blue box (60.2%, 51.5% and 47.0% of website respondents, respectively). Conversely, most containers for food staples and household products scored highly: more than nine in ten respondents (92.2%) said they placed glass and plastic food containers in the blue box (**Q6 Website only**).

Ease of Recycling: Respondents who said they did not place items from the list in Question 6 in the blue box were invited to say whether they thought it would be easy for them to do so. In most cases, a majority of people who did not recycle a particular item described it as not easy to add to the blue box. Aluminum foil was the item considered easy to add to the blue box by the highest proportion of people (46.4%) who did not already do so (**Q7 Website only**).

Intent to Recycle More: In line with their commitment to minimize waste, a majority of respondents said they were likely or somewhat likely to increase their efforts to put household recyclables into the blue box between now and 2015 (87.7% iPad, 60.9% website) (**Q4 iPad, Q8 Website**).

Awareness of Law: A majority of respondents were unaware that most of Ottawa's large businesses and institutions are required by law to have a plan to reduce waste generation and increase recycling (58.3% iPad, 55.0% website) (**Q5 iPad, Q9 Website**).

Workplace Recycling: However, around two in three respondents said that their own workplace did provide some form of waste recycling (72.1% iPad, 60.2% website). Of note, more than two in ten website respondents (23.0%) and one in ten iPad respondents (12.3%) were not employed at the time of taking the survey (**Q6 iPad, Q10 Website**).

What's Recycled at Work: Paper and cardboard were the most commonly recycled items in the workplace, with 95.1% of website respondents selecting this answer. Unprompted, one in four respondents said that their workplace recycled batteries. Less than 1% of respondents said their workplace recycled nothing at all (**Q11 Website only**).

Waste Challenge Participation: Of those respondents who were employed, half (49.9%) felt their employer would be likely or somewhat likely to sign up to a city-wide waste challenge (**Q12 Website only**).

Intent to Recycle at Work: Employed respondents were positive about the prospect of using recycling facilities at work: nearly eight in ten (79.9%) said they were likely to take their recyclables to a blue box container if their employer provided one in the kitchen or common area (**Q13 Website only**).



Asset Management

Limited Knowledge of Local Facilities: Respondents demonstrated uneven knowledge of the different types of waste facilities found in Ottawa. Answering a website-only question, nearly nine in ten (88.5%) respondents believed (correctly) that there is a compost facility in Ottawa, but only 36.9% believed the same about a landfill gas to energy plant (Q14 Website only).

Local Management of Residential Waste: Nearly nine in ten iPad respondents (89.7%) and more than three in four website respondents (80.2%) said that it was important or somewhat important to them that the community should manage its residential waste locally (Q7 iPad, Q15 Website).

Local Solutions for Non-Residential Waste: The importance of managing community waste locally applied equally to non-residential waste: 88.7% of iPad respondents and 75.7% of website respondents described local management of non-residential waste as important or somewhat important to them (Q8 iPad, Q16 Website).

City Role in Regional Waste Facility Planning: A majority of respondents from both surveys said it was important or somewhat important to them that the City take a leadership role in exploring and planning regional waste facilities (71.6%) (Q9 iPad, Q17 Website).

City Leadership on Locally Generated Recyclables: There was also consensus between surveys that the City of Ottawa should show leadership in developing local facilities for locally generated recyclables, such as asphalt shingles and drywall. Some 95.1% of iPad respondents and 73.2% of website respondents said that this was important or somewhat important to them (Q10 iPad, Q18 Website).

Broad Support for Vision Statement: A draft vision statement for the City of Ottawa's 30-year Waste Plan met with broad support: while the strength of the majority fluctuated between the two surveys, a majority of respondents agreed or somewhat agreed with the vision statement (88.2% iPad, 70.1% website). Four in ten website respondents (39.5%) said they agreed with the statement, compared with six in ten (63.2%) iPad respondents (Q11 iPad, Q19 Website).

Private Sector Waste Management

Role of Businesses and Institutions: A majority of respondents found it important or somewhat important that businesses and institutions continue to remain responsible for collecting, processing and disposing of their waste (74.5% iPad, 54.0% website) (Q12 iPad, Q20 Website).

Recycling Targets for Business: More than eight in ten respondents agreed or somewhat agreed with the idea of recycling targets for Ottawa businesses and institutions within the next five years (91.7% iPad, 85.7% website) (Q13 iPad, Q21 Website).



Recycling Targets for Construction Sector: Similarly, about two thirds of website respondents (67.6%) agreed that there should be recycling targets for local construction and demolition projects within the next five years (**Q22 Website only**).

City Access to Waste Statistics: About two in three found it important that the City should be given access to waste statistics from businesses and institutions in order to improve planning (76.5% iPad, 63.7% website) (**Q14 iPad, Q23 Website**).

City Role on Institutional Waste: A significant number of respondents were also open to the City increasing its responsibility for the collection, processing and disposal of waste, saying this was important to them (66.7% iPad, 44.7% website) (**Q15 iPad, Q24 Website**).



APPENDIX A: SHORT-FORM SURVEY QUESTIONNAIRE (iPad)



Ottawa's Waste Plan: Short-form Survey Questionnaire (iPad)

WASTE MINIMIZATION

1. **Do you think you can significantly, partially or not reduce the amount of waste your household currently generates?**
 - a) I can significantly reduce the amount of waste 1
 - b) I can partially reduce the amount of waste 2
 - c) I cannot reduce the amount of waste..... 3
 - d) Unsure..... 77

2. **Thinking about the future, between now and 2015, how likely or unlikely is it that your household will try to reduce the amount of waste that you generate?**
 - a) Likely..... 1
 - b) Somewhat likely..... 2
 - c) Somewhat unlikely..... 3
 - d) Unlikely 4
 - e) Unsure..... 77

3. **Knowing that \$200 million in taxpayer expenditure on a new landfill can be delayed if people reduced, reused and recycled more, are you likely, somewhat likely, somewhat unlikely or unlikely to reduce, reuse and recycle more?**
 - a) Likely..... 1
 - b) Somewhat likely..... 2
 - c) Somewhat unlikely..... 3
 - d) Unlikely 4
 - e) Unsure..... 77

WASTE DIVERSION

4. **Between now and 2015, how likely or unlikely is it that your household will increase its efforts to put recyclables into the blue box?**
 - a) Likely..... 1
 - b) Somewhat likely..... 2
 - c) Somewhat unlikely..... 3
 - d) Unlikely 4
 - e) Unsure..... 77

5. **Are you aware or unaware that most of Ottawa's large businesses and institutions are required by law to have a plan to reduce waste generation and to increase waste recycling?**
 - a) Aware 1
 - b) Unaware 2



6. Does your workplace have any form of waste recycling?
- a) Workplace has waste recycling 1
 - b) Workplace does not have waste recycling 2
 - c) I work from home 3
 - d) I'm not employed 4
 - e) Unsure..... 77

ASSET MANAGEMENT

7. How important or unimportant is it to you that our community manages its own RESIDENTIAL waste locally?
- a) Important 1
 - b) Somewhat important 2
 - c) Somewhat unimportant 3
 - d) Unimportant 4
 - e) Unsure..... 77
8. How important or unimportant is it to you that our community manages its own NON-RESIDENTIAL waste, such as waste from hospitals, businesses, schools and construction, locally?
- f) Important 1
 - g) Somewhat important 2
 - h) Somewhat unimportant 3
 - i) Unimportant 4
 - j) Unsure..... 77
9. How important or unimportant is it to you that the City of Ottawa take a leadership role in exploring and planning regional waste facilities (by this we mean waste facilities that could serve Eastern Ontario / Western Quebec that may or may not be located in Ottawa)?
- a) Important 1
 - b) Somewhat important 2
 - c) Somewhat unimportant 3
 - d) Unimportant 4
 - e) Unsure..... 77
10. How important or unimportant is it to you that the City take a leadership role in DEVELOPING LOCAL FACILITIES AND MARKETS for locally generated recyclables (such as asphalt shingles and drywall)?
- a) Important 1
 - b) Somewhat important 2
 - c) Somewhat unimportant 3
 - d) Unimportant 4
 - e) Unsure..... 77



11. Do you agree, somewhat agree, somewhat disagree, or disagree with the following vision?

As you may know, no matter what waste collection, diversion, or energy from waste technology the City uses, there will always be waste that requires disposal at a landfill such as ash, sludge, and contaminated soil.

At today's current rate of residential disposal, the municipal landfill will be full by 2035. The following is the draft VISION statement for Ottawa's 30-year Waste Plan:

"By 2042, Ottawa will still have room in its municipal landfill because as a community we have improved our rates of reducing, reusing and recycling."

- a) Agree..... 1
- b) Somewhat agree 2
- c) Somewhat disagree..... 3
- d) Disagree 4
- e) Unsure..... 77

PRIVATE SECTOR WASTE MANAGEMENT

12. How important or unimportant is it to you that **BUSINESSES** and **INSTITUTIONS** remain responsible for the collection, processing, and disposal of their waste?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77

13. Do you agree, somewhat agree, somewhat disagree, or disagree that we should have recycling targets for local **BUSINESSES** and **INSTITUTIONS** within the next five years?

- a) Agree..... 1
- b) Somewhat agree 2
- c) Somewhat disagree..... 3
- d) Disagree 4
- e) Unsure..... 77

14. How important or unimportant is it to you that the City of Ottawa be given access to waste statistics from Ottawa **BUSINESSES** and **INSTITUTIONS** for waste planning purposes?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77



15. How important or unimportant is it to you that the City of Ottawa increases its responsibility for the collection, processing, and disposal of BUSINESS and INSTITUTIONAL waste?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77

16. Do you have a particular idea or technology that you'd like the City of Ottawa to examine during the next stage of this study?

(500 characters max.)



APPENDIX B: LONG-FORM SURVEY QUESTIONNAIRE (WEBSITE)



Ottawa's Waste Plan: Long-form Survey Questionnaire (Website)

WASTE MINIMIZATION

On average, every Ottawa resident places about 360 kg of waste at their curb for pick up each year. This includes all recyclables, compostable material and garbage.

1. **Do you think you can significantly, partially or not reduce the amount of waste your household currently generates?**
 - a) I can significantly reduce the amount of waste 1
 - b) I can partially reduce the amount of waste 2
 - c) I cannot reduce the amount of waste..... 3
 - d) Unsure..... 77

2. **If you were to reduce the quantity of waste that you currently generate, what would you MOST LIKELY do? Would you:**
 - a) Buy less 1
 - b) Reuse more 2
 - c) Exchange goods more 3
 - d) Buy more durable goods..... 4
 - e) Recycle/compost more 5
 - f) Other (please specify) _____ 6
 - g) Unsure..... 77

3. **Thinking about the future, between now and 2015, how likely or unlikely is it that your household will try to reduce the amount of waste that you generate?**
 - a) Likely..... 1
 - b) Somewhat likely 2
 - c) Somewhat unlikely..... 3
 - d) Unlikely 4
 - e) Unsure..... 77

4. **Are you aware or unaware that a new landfill would cost approximately \$200 million to Ottawa residents in 2011 taxpayer dollars?**
 - a) Aware 1
 - b) Unaware 2

5. **Knowing that \$200 million in taxpayer expenditure on a new landfill can be delayed if people reduced, reused and recycled more, are you likely, somewhat likely, somewhat unlikely or unlikely to reduce, reuse and recycle more?**
 - a) Likely 1
 - b) Somewhat likely 2
 - c) Somewhat unlikely 3
 - d) Unlikely..... 4
 - e) Unsure..... 77



WASTE DIVERSION

6. Please identify / circle ALL of the items that you currently place in the BLUE BOX.

- | | | | |
|----------------------------|---|---|--|
| a) Ice cream tub | h) Milk carton | o) Liquid detergent bottles | u) Food cans |
| b) Other frozen food tubs | i) Juice carton | p) Bleach containers | v) Pop cans |
| c) Yogurt tub | j) Ice cream cartons | q) Vinegar bottles | w) Aerosol cans |
| d) Margarine tub | k) Juice boxes | r) Shampoo, conditioner, liquid soap, cleanser containers | x) Empty paint cans |
| e) Other food tubs | l) Glass beverage bottles | s) Clear clamshell food packaging | y) Aluminum foil |
| f) Drywall compound tub | m) Plastic beverage bottles | t) Clear plastic egg cartons | z) Aluminum take-out tins and pastry trays |
| g) Other hard plastic tubs | n) Glass and plastic food containers (e.g. peanut butter, jam, sauces, mayonnaise, ketchup) | | aa) Plastic flower pots |
| | | | bb) Plastic planting trays |

In 2010, the City of Ottawa sold materials collected from blue and black boxes for \$8.4 million. However, in that same year, an estimated \$535,000 of potential revenue went straight to the landfill because recyclable material was thrown into the garbage instead of the blue and black boxes.

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please circle as many items as you want.

- | | | | |
|----------------------------|---|---|--|
| a) Ice cream tub | h) Milk carton | o) Liquid detergent bottles | u) Food cans |
| b) Other frozen food tubs | i) Juice carton | p) Bleach containers | v) Pop cans |
| c) Yogurt tub | j) Ice cream cartons | q) Vinegar bottles | w) Aerosol cans |
| d) Margarine tub | k) Juice boxes | r) Shampoo, conditioner, liquid soap, cleanser containers | x) Empty paint cans |
| e) Other food tubs | l) Glass beverage bottles | s) Clear clamshell food packaging | y) Aluminum foil |
| f) Drywall compound tub | m) Plastic beverage bottles | t) Clear plastic egg cartons | z) Aluminum take-out tins and pastry trays |
| g) Other hard plastic tubs | n) Glass and plastic food containers (e.g. peanut butter, jam, sauces, mayonnaise, ketchup) | | aa) Plastic flower pots |
| | | | bb) Plastic planting trays |



8. Between now and 2015, how likely or unlikely is it that your household will increase its efforts to put recyclables into the blue box?

- a) Likely..... 1
- b) Somewhat likely 2
- c) Somewhat unlikely 3
- d) Unlikely..... 4
- e) Unsure..... 77

9. Are you aware or unaware that most of Ottawa’s large businesses and institutions are required by law to have a plan to reduce waste generation and to increase waste recycling?

- a) Aware 1
- b) Unaware 2

10. Does your workplace have any form of waste recycling?

- a) Workplace has waste recycling 1
- b) Workplace does not have waste recycling, please skip to Q14 2
- c) I work from home, please skip to Q14 3
- d) If not employed, please skip to Q14 4
- e) Unsure..... 77

11. What does your workplace recycle? Select as many as apply.

- a) Paper and cardboard 1
- b) Plastics 2
- c) Bottles and cans 3
- d) Food waste 4
- e) Other (please specify) _____ 5
- f) Nothing 6
- g) Unsure..... 77

12. How likely or unlikely do you think your employer would be to sign-up to a city-wide waste challenge?

- a) Likely..... 1
- b) Somewhat likely..... 2
- c) Somewhat unlikely..... 3
- d) Unlikely 4
- e) Unsure..... 77

13. If your employer provided a blue box container in the kitchen or common area at work, how likely or unlikely would you be to take your recyclables to that location for recycling?

- a) Likely..... 1
- b) Somewhat likely..... 2
- c) Somewhat unlikely..... 3
- d) Unlikely 4



ASSET MANAGEMENT

14. Please identify which types of waste facilities you believe are found in Ottawa. Check all appropriate responses.

- a) an engineered landfill (designed to mitigate environmental and social impacts)
- b) a landfill gas to energy plant (burns landfill gas to generate electricity)
- c) an energy from waste facility (e.g. an incinerator, plasma gasification or other such facility that burns or gasifies waste and uses heat/stream to generate electricity)
- d) a blue box waste processing facility (sorts and bales materials for market)
- e) a black box waste processing facility (sorts and bales s materials for market)
- f) a compost facility (converts organic wastes to a commercial compost product)
- g) a waste transfer station (location where waste can be received and shipped of-site in bulk)

15. How important or unimportant is it to you that our community manages its own RESIDENTIAL waste locally?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77

16. How important or unimportant is it to you that our community manages its own NON-RESIDENTIAL waste, such as waste from hospitals, businesses, schools and construction, locally?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77

Currently, the City of Ottawa uses a combination of its own staff and private contractors to deliver residential waste services in order to balance costs and risks.

17. How important or unimportant is it to you that the City of Ottawa take a leadership role in exploring and planning regional waste facilities (by this we mean waste facilities that could serve Eastern Ontario / Western Quebec that may or may not be located in Ottawa)?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77

At present, some recyclable materials must be shipped to Toronto or Montreal for recycling.



18. How important or unimportant is it to you that the City take a leadership role in DEVELOPING LOCAL FACILITIES AND MARKETS for locally generated recyclables (such as asphalt shingles and drywall?)

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77

19. Do you agree, somewhat agree, somewhat disagree, or disagree with the following vision?

As you may know, no matter what waste collection, diversion, or energy from waste technology the City uses, there will always be waste that requires disposal at a landfill such as ash, sludge, and contaminated soil.

At today's current rate of residential disposal, the municipal landfill will be full by 2035. The following is the draft VISION statement for Ottawa's 30-year Waste Plan:

"By 2042, Ottawa will still have room in its municipal landfill because as a community we have improved our rates of reducing, reusing and recycling."

- a) Agree..... 1
- b) Somewhat agree 2
- c) Somewhat disagree..... 3
- d) Disagree 4
- e) Unsure..... 77

PRIVATE SECTOR WASTE MANAGEMENT

Currently, the City of Ottawa has no responsibility for the management of industrial, commercial, institutional (ICI) waste. The Province is responsible for overseeing ICI waste, and the city has limited influence over its decisions.

20. How important or unimportant is it to you that BUSINESSES and INSTITUTIONS remain responsible for the collection, processing, and disposal of their waste?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77



21. Do you agree, somewhat agree, somewhat disagree, or disagree that we should have recycling targets for local **BUSINESSES** and **INSTITUTIONS** within the next five years?

- a) Agree..... 1
- b) Somewhat agree 2
- c) Somewhat disagree..... 3
- d) Disagree 4
- e) Unsure..... 77

22. Do you agree, somewhat agree, somewhat disagree or disagree that we should have recycling targets for local **CONSTRUCTION** and **DEMOLITION** projects within the next five years?

- a) Agree..... 1
- b) Somewhat agree 2
- c) Somewhat disagree..... 3
- d) Disagree 4
- e) Unsure..... 77

23. How important or unimportant is it to you that the City of Ottawa be given access to waste statistics from Ottawa **BUSINESSES** and **INSTITUTIONS** for waste planning purposes?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 44
- e) Unsure..... 77

24. How important or unimportant is it to you that the City of Ottawa increases its responsibility for the collection, processing, and disposal of **BUSINESS** and **INSTITUTIONAL** waste?

- a) Important 1
- b) Somewhat important 2
- c) Somewhat unimportant 3
- d) Unimportant 4
- e) Unsure..... 77

Once Council has approved a set of waste goals, objectives and targets, the next stage of this project will examine different ways for achieving them.

25. Do you have a particular idea or technology that you'd like the City of Ottawa to examine during the next stage of this study?

(75 word max.)



APPENDIX C: COMPILED OPEN-ENDED RESPONSES



Question 16, iPad Survey

Do you have a particular idea or technology that you'd like the City of Ottawa to examine during the next stage of this study?

Not really cones

Waste audit for residential waste to identify non compliance issues The styrofoam should be diverted into their own wastestream

Getting energy out of waste. City should look to invest in this alternative to reduce waste at long term with a technology that recovers energy.

Dirty diapers plan

The businesses should be completing it themselves and be given incentive

Producers and packagers should look into more recycled more

Incinerating garbage is good.

Styrofoam recycling

Look at the incineration alternative

Plasma tic incinerators

Limit of garbage bags and fees after one bag. One single bin like Gatineau for recycling. A push for apartment recycling. More hazardous waste depot dates open once a month.

Deal with paint cans better.

Increase the recyclable items such as plastic bags and styrofoam.

The diaper program would make the same trucks drive down the same streets. This is a wasteful idea, please do not implement it. Thanks

Public consultations should be every six months.

No

There is a need to develop a strategy for diapers disposal and plastic bags.

Incineration

Will send comments by email

Incinerators

Increase collection of green bin. Allow biodegradable bags. Insects are gross

No

Ban Styrofoam cups Organize communities clean up events

No

No

Lids for blue and black boxes to reduce recyclables on roads on windy days.

Geothermal.

No

Enforce recycling in office building (green recycling).

Garbage oick up on one side of the street and it rotates each week. To help save. Recycling bins in parks.

No

Fairly good system now

Possible sifting and removal of recyclables currently being thrown into landfills.

Limit the amount of bags paid by the city. Bags should be determined according house dwellers. If amount of bags are more than allowed, huousehold should pay for it.

Pest management

Incentives for businesses to recycle more



Composting and wind technology

Incineration

A study of the benefits of a facility's that can take waste from around ontario to see if it is profitable or not.

Green bins in large buildings increasing.

Yes gmarko@Rogers.blackberry.net we have an engine that burns water.

Charging for extra garbage bags set out at the curb

Taxes as a penalty for businesses make them high fines so money is not coming from taxpayers. Regulations on reducing packaging improving bio packaging away from stryrofoam. Status of garbage and recycling should be advertised more example recycling statistics.

Turning waste into fuel or an energy resource.

Incinerator for garbage should be looked into- to produce energy and balance costs. It would be costly in the beginning. In long run it would generate energy and income and be in the best interest of the citizens and environment. Not design surveys in such a flawed manner, to justify expenditures and future plans which is not in the best interest of the citizens.

Plasco technologies to consider that. A way to replace land fills, incineration to reduce landfill.

Looking for markets for recyclable items to see if it is worthwhile.

Accountability is important for residential and industry. Waste should be recycled into energy make the most of waste.

Incineration

Look at trying to put waste in space

No survey is slightly flawed it should have included how much you already.

No

Look. At a tram systems To transport the waste

Waste energy other than pyrolysis enteric digestion. Green dot program corporate responsibility but not to burden small businesses.

Focus on currnt services and continue to reduce pollution

No

Organics collection for buisnesses

Look into free cycle . Org..... Have one hazardous disposal site open all the time in one or two location Centralized location where you go to drop off recycling when need be.. Reimburse for tins and recyclables... Let citizens make money off their recycling Mulch trees... Have a mulch depot where citizens can go to get free mulch Look into recycling practices of USA cites.. ESP. Philedalphia.

More enforcement of the city waste bylaw

Bursary for commercial places. If you recycle more you get a cash reward. Top 100 performers

More done with things that cannot be recycled in a home. Create facilities to do this.

Partnerships with organizations municipalities. Green bin products being used for local gardens who donate the food to food banks. Ability for residents to buy finished compost product.

Plastic recycled outdoor furniture. Wooden scraps grind into saw dust into logs for burning.

Example cast away wooden furniture. Reducing packaging. Stryrofoam reuse projects.

User pay for garbage... Free recycling and you have to pay for eAch garbage bag. Try in pilot project

Increase by law enforcement Work with other municipalities to encourage manufacturers to eliminate disposable plastic Nolastic belongs in the landfill including styrafoam Development of a wood chipping facility - no wood waste Neighborhood waste diversion depot to allow people to divert more waste.

Burn garbage and ship iy out and give it to private companies. Waste has become a business focus on it makes it seem important when it's not like roads and sewers. Private companies interests are too important. Get back to governing roads sewers and Infrastructure.



No

More composting as fertilizer, in community gardens... More of a local movement Mandate the city taking over collection duties for private enterprises, malls, stores, resorts, etc Options on the street... Recycling bins in the streets.

More recycling collection for the mall there should be a huge project for cardboard and paper and receipts .

Incinerators

Increase take it back program technologies for large waste items such as computers microwaves furniture ect. Improve disclosure of places disclosure initiatives. Better showcasing of hazardous waste days.

More opportunities for recycling construction waste, particularly porcelain toilets.

As long as it is safe

As long as it is safe

Continue to improve and get it up and running

Like to see if it's possible to a communal compost. Will the Plasco technology work?

Plasma gasification. Alternative to green bin, uses a lot of energy to send a separate vehicle, processing, etc.

No.

Multiresidential properties condos apts ect need greater involvement in recycling.

Re: 12 – important to ensure businesses do take care to reduce, reuse, and recycle and are punished when they do not. Re: 13 – city should a regulatory role rather than direct responsibility for institutional waste Like the Take It Back Program

Expand Plasco waste to energy program.

Plastisol regeration

Incineration

Make more use of compost around local area. Have a list on the bins in public place

I would like to see the green bin in institutions and apartment buildings and better recycling programs in businesses and apartment buildings.

Inineration. Why does there seem to be so much trouble with plasco? Bc other countries have been successful.

Plasco, regenerate energy

City should collect business waste, it would save money for all.

1. Programs for hi rise buildings should be expanded for improved recycling and begin to introduce the green bin 2. Green bins should be introduced into institutions with prefabricated signs indicating what goes where (including for the green/black bins) 3. Incentives for businesses should be offered to improve recycling outcomes in institutions where it often falls by the wayside

Implementing green bins in schools.

Build a larger incineration plant.

Reduce packing on comercial item and consumer goods. All packaging should be recyclable.

Learn from other european, insinoration company which save on landfill and generate energy

Learn from European, insinoration use landfill to generate energy

Biofuels ex the grease cars.

Incineration options, gasification.

Possibly plasco or other waste to energy technologies.

More public advertising of solid waste education especially for the people who do not individually take any initiative to do so.

More ways to return recycle bottles, used one change new ones. Bottling plants,

Plastic bags are recyclable in other nearby municipalities, Ottawa. Should be able to as well.



them in the trash, or is it because they don't purchase such an item. you cant use the results of these questions.

The green box program is terrible. We don't use it because we can't use plastic bags, which means that maggots and other pests fester in the waste.

Allow Plastic in the green bins – Technology exists to separate it post-collection and allowing plastic will increase the amount people will put in the green bin.

kk;lhj;jkl;j;l

Distinguish between large businesses and small. Many small businesses (especially food) would recycle and compost if given the option from the city.

Requesting the province to mandate reduced packaging and ensuring that all packaging is reuseable or recyclable.

I think that we need to limit the number/amount of garbage that a household can dispose of /week, and pickup garbage every second week while increasing the recycling pickup. Composting should be encouraged by the city and perhaps sponsor a composting campaign by suplimenting the cost of composters. Additionally, I believe that incineration is a good option so long as appropriate filters and monitoring are in place to limit emissions.

Enact a limit (such as 2 free bags), with any additional bags requiring a sticker to prove a fee was paid for pick-up. If people had to pay to put their garbage out, they certainly would reduce it. The rate would certainly not have to be much either to have the desired effect.

Just burn the rubbish for pete sakes. If I see one more maggot filled bin in my driveway I'm going to lose it. Enough with the bins.

Incentives for cloth diaper users, incentives for people that compost at home (i.e. worm bin or backyard composting).

Better survey (than this thinly disguised propaganda) Don't talk of 5 yr 'targets' for bus. waste – make them do it now! We all see way too much NOT recycled from business & institutions.

Encourage or require manufacturers to take back their packaging for proper re-use, re-cycling or disposal.

No, but I do have some observations on this survey. I think reducing our waste & increasing our recycling of the remainder is critical. Five years is too long for ICI targets. But I don't see much room to improve personally; we already compost, green bin & recycle. Most of what's left (~1 bag/fortnight) is packaging. My company would do more, but it is really driven at the landlord level. Finally, Q20 is unclear – it seems to endorse the status quo, which is unacceptable. Thanks.

Many European cities burn waste to produce electricity, thus avoiding the need for landfill sites. Why are we so far behind Europe– All the bins can do is buy some time for existing landfill sites...

Allow residents to recycle ALL plastics including grocery and other shopping bags. Increase use of high-efficiency incineration with co-generation of electricity and waste heat to serve municipal institutions.

sorting and segregation of materials even if not recycled now. All waste dumped locally, inside Ottawa city limits.

Plasco, make it bigger, a lot bigger

Get local producers to indicate on cartons whether it is recyclable or not. A simple matter of writing a letter to the companies may suffice. Encourage grocers to reduce packaging in perishables like fruits and vegetables. Make it easier for people within the city itself i.e. those without land, to compost material, to cut down on the cost of the green bins. There would be no need for transportation. And community gardens would have access to the material.

Better water conservation and sewage pollution control

Solar power! Emphasis on composting.



We need a way to reduce the bulk of waste -- the plasma gasification plant is one potential solution but it does not seem to be living up to its promises, its time to start looking at other options such as incineration with energy recovery. Also, many cities in the US use a central point to process incoming garbage where it is re-sorted to remove recyclables either via automated systems or manual labour, perhaps this is something Ottawa needs to look into.

The simplest way to increase waste diversion is to stop allowing unlimited curbside pickup. Follow the lead of Vancouver, Toronto, Edmonton, Calgary etc. and limit the amount of waste that can be picked to one bag/can and then charge for additional bags. This can be easily done by asking OC Transpo ticket outlets to also sell garbage stickers (\$1.50 each). As soon as people are responsible for their own waste, they will take steps to reduce the amount that they generate.

I am tired of seeing the city pick up good re-usable items on garbage day. Often baby cribs, car seats and other stuff is put out by residents. I would like to see a plan where items could be shipped maybe overseas to people who can use it. Furniture and re-usable items take up much more space in a landfill than my compostable items. Many people put hazardous waste in black garbage bags also so it will be picked up. Maybe clear bags is a better solution so it is more difficult to hide these items

Burn waste for energy. It is the only true renewable energy source.

Yes, my idea is that you hire people who can actually design a useful survey. This survey fails to account for households that already diligently recycle/compost/reuse etc everything they possibly can. We also buy very few things with packaging. There was no way to account for this, particularly in the first part of the survey. As such, my responses make it appear that I am unwilling to recycle more but the reality is I am already very committed to responsible waste management.

recycle plastic bags.

Plastic bag recycling or restrictions.

Get restaurants to use a green-bin type system for all of their food waste.

After looking at this self described questionnaire, I would suggest the first thing that should be done is hire some new people to help you with your public relations.

INCINERATION!!!

- Tons of ideas, but this form field is too short!- Reduce pick-up trips by switching to single-side-of-street trash/recycle pickup- single recycling pickup (blue/black box together)- every-week green bin pickup- every 2nd week garbage pickup- recycling of soft plastics (product wrapping, bags) would reduce our home garbage volume by about 75%!- legislate reduced and more-recyclable packaging- province/feds legislate ICI to be under municipal jurisdiction

Incineration for creating power like in Vienna.

If you start charging for bags then our Nations Capital is going to become littered with garbage. As a rural resident I can only imagine how much garbage will be dumped in our neighbourhoods.

burning and processing pollution

I think that the plasma technology could be useful as the product that comes out can be used as a concrete substitute.

!!! Pickup garbage weekly !!!

We produce very little waste - I would like to see some serious waste reduction by other residents. I would also like to see energy from waste programs within the city

Composting for apartment buildings. Maximum number of free garbage bags picked up per house per week - in Niagara, it is 2. For 3+ bags, residents must purchase a "permit" sticker for around \$2/bag. Permit stickers are available at most corner stores.

Instead of landfiling why don't you move into the 21st century and use modern incineration



plants and ignore the environmentalist who prefer landfill. These plants create energy and emit no gases as claimed by these green freaks who are costing us millions of dollars.

charging people who don't recycle
Comment: This is an incredibly poorly designed survey. It assumes people are not recycling the maximum they can now. It also assumes respondents are employed as the "are you employed" questions cannot be skipped.

I'm retired so the employer questions SHOULD NOT be mandatory.

Expand the trial plasma tech to generate power for our city.

1. Offer black composter bins again to the public at subsidized rates. 2. Examine the in-ground backyard "Green Cone" or other in-ground composter/digester systems for food waste and offer to public at subsidized rates.

open composting to apartments. My contribution to landfill will decrease by about 40%

This survey is a joke. You're obviously just trying to get backing for descissions thats have already been made, regardless of anyone who may not agree with you.

Yes responsibility for waste disposable should also be given to City of Ottawa apartment buildings. Not only home owners or rural. The green bins are not being used by apartment dwellers to the capacity they should.

apparemment ce ne sont pas toutes les tours d'habitation qui font du recyclage. Faire un programme de transition au recyclage pour les résidents de ces édificies qui ne sont pas dotés de telles facilités. Laisser à la province ce qui est sous sa juridiction et l'incitant toutefois à faire ses devoirs.

Waste to energy

Allow residential customers to switch over to a per bag fee (like commercial yellow bag) for garbage services (instead of a flat rate tax). The current lack of a financial incentive does not encourage the reduction of waste / increase of diversion.

incineration

Yes - High temp incineration - to generate power.

n/a

I live downtown in an apartment and the biggest issue with regards to garbage is the recycling of food waste. The green bins are not used and the tenants throw out food waste in their regular garbage. Would it make sense to have large containers in each neighbourhood where people could take their food waste and do away with the weekly pickup- Also, the public education component has to be given a higher profile.

Residents living in Condominiums must composte their waste if residents in single family dwelling are required to composte!!! Please tell the citizens of Ottawa what % of waste would be diverted if this was done!!!

better education of the public about what can be reused and what cannot be recycled

I think this survey was lacking a huge component and that is education. We can recylce all we want and have plans in place, but there needs to be more emphasis on getting the average folk to recycle and REDUCE. (why is it that there was no comment forum-) My family recycles and REDUCES primarily. Why can't schools ban disposable lunch containers-- drink boxes and lunchables should be a thing of the past. If we want change, the City needs to implement some strong initiatives. Do it!

I as do most citizens recycle fulling including at place of work. Nothing more can be done unless packaging changes or new items added to list of allowable recyclable items. My waste has reduced only 10% since start of green bin. I fill green, blue and black bins each week. Plus 2+ full size cans of non recycle garbage. We are a family of 4.Need to focus on low density housing, no recycle programs.

Incineration. These are used successfully in Europe. Why not here-

idea is use waste as a means to create energy instead of putting it in a landfill. Examples of this in Germany.

Study the possibility of harmonizing and combining residential and ICI waste treatment.



The ICI sector should pay a levy to fund the treatment of its waste which could help to fund research into new technologies (gasification, incineration, etc.).

Yes we should be able to recycle plastic bags as they are not biodegradable. Why is it that the local groceries are the only ones that will take plastic bags.

Switch garbage pickup to every two weeks. Keep green bin pickup every week all year round.

No but your questions are flawed. We as a family are unlikely to reduce, reuse and recycle more not because of lack of will but because we are already doing everything we can.

I had always thought the plasma gasification process looked promising what ever happened to that-

energy from waste (plasma gasification and/or incineration)adding diapers (baby & adult)to green bins

I would suggest the city look at how Nova Scotia's green bin program is run. The bins are about 4 times larger, and better equipped for yard waste composting.

The city approaches waste as if it were a single issue when in fact it is a broader problem of societal over-consumption. Reduced consumption = reduced waste. But it also equals reduced taxes at the provincial and federal level so nothing will be done about it.

I would like to see the plasma facility increased in use for garbage. There has to be ways to create some form of electricity as well from burning garbage. There will always be garbage - put it to good use also don't agree with segregating some garbage for example - black box and green box should be amalgamated. Each assists the other in its decomposition & by adding green waste to paper - it would increase the decomposition. This would decrease the amount of trucks required for pickup

It should not be optional for multi-unit high-rise housing to offer composting and easy access to recycling facilities. I have to take my recycling to work or friend's places since I cannot get to the recycling bins in the basement of my building and there is no composting! what I want to do does not line up with what is available for me and that appears not to be changing short of moving.

Abandon the green bins I will never use one. Build an incinerator instead of expanding the land fill Collect all recyclables in one box - abandon separate blue and black boxes Restore weekly garbage pick up

I would like to see the contract with Orgaworld terminated or at least renegotiated, since we could have built a new landfill with the money wasted on it -- we are paying far too much for the service. I would also like to see more investment in plasma waste disposal, with the energy created going to reduce municipal consumption. With proper inspection/environmental safeguards, this appears to me the most sensible solution to our waste problem.

Reduce use of landfills by investing on high efficiency incineration to produce power! Stop wasting money on schemes like green bin programme! Continue to provide core services like weekly garbage pick-up!

Incineration

Because I live on a rural crushed-rock road in the extreme Ottawa south I have not yet been given the opportunity to recycle compostables...I would like to know WHEN I will be!

In my view and experience, whether it's private citizens or businesses, people will not change their behaviour unless they HAVE to. In other words, you can set all the goals, objectives and targets you want, but when it comes down to a need for folks to reduce their waste, through less consumption or increased recycling/composting etc, it will have to be done through an enforced fine or penalty system. For example, garbage bag limits, and meaningful FINES for any extra. It's the only way. Thanks

incineration

I think we should be able to recycle more things as nearly half of what I assumed what recyclable is actually not. The city should have more bins for different types of recycling.



If IC&I waste is the largest source of waste in Ottawa, the Province has to create incentives for the first of the 3 Rs and 3R programs. I also think a public campaign encouraging people to buy more durable/quality goods is important, including radio ads and internet ads would be helpful. I also think it would be good to have an internet game showing people what they can do (e.g. they want a new dresser, the game shows them where to go. sponsorship by co's-). Morning shows, university speakers.

non

Incineration

Bag Tags.

We need to save taxpayers money and stop using over paid consultants and surveys.

Carp dump to be closed down totally and moved to more suitable location for the protection of the population. Burn garbage as in EU.

Please allow the recycling of plastic shopping bags! It's ridiculous that we can't do this yet. We are the nation's capital and should be exemplary to the rest of Canada, and the world, in terms of waste reduction and management.

****I think it is crucial that Ottawa develop a program for green bins and recycling in APARTMENT BUILDINGS. I live in an apartment and I want to use a green bin but there is no program for this in my apartment, or in any other apartment. Toronto has a strategy for this, though, not sure if it's working, but that suggests it is at least possible! Also, my work doesn't recycle because it is "too expensive" for the landlord to organize a program. (Bayswater and Somerset)

I resent the City of Ottawa spending millions promoting landfill and recycling as options for waste disposal. All this time and money should be invested in creating incineration facilities that convert garbage to energy. Landfill is a barbaric, inefficient method of disposal and must be discontinued as soon as possible. Recycling is a feel good system that make us believe that we are solving the problem, but with no results other than to eat up precious tax dollars!

I would like to see the green bin program expand to businesses, at the very least restaurants.

Please refer to the valley waste resource management website for nova scotia. It is really good. Also please phase in more recycling and compost options for high-rise apartments. I hate putting food waste in the garbage because we don't have these facilities available. Also, please have more drop-off points for hard-to-recycle items like batteries, paint cans and electronics. We all have items like this. There are great options on the TV show Trashopolis too, notably the Berlin and Paris ones.

Really would like to see the city have a look at incineration which could handle 17 tons per hour of garbage and generate electricity for the city.

More residents should buy fresh food, as the packaging associated with fresh food is a fraction of what you'd get with the same volume of processed food. Residents also need to put a bit of energy into recycling/composting. I strongly feel there are a lot of residents in the city who make little to no effort to recycle/compost so those materials are making their way to the landfill.

Expansion of Gasification waste processing

Use financial disincentives to reduce the amount of packaging and reflect the true cost of waster(eg additional fees for products with packaging that cannot be recycled locally)

Incineration

no

I believe we should seriously look into incineration just as some cities in Europe are currently doing. It's clean, efficient and generates money for the city.

There should be a deposit on pop cans and bottles in Ontario to encourage recycling. BC does this.



The City of Ottawa should be firm in its decisions, and not allow NIMBY-ism to get in the way of sound, reasonable, appropriate, and "scientific" decisions on waste management. Obviously this survey is tailored to what the city has decided already. Dealing with our own (commercial/residential) waste is important. Quit trying to find a money maker like Trail road pilot plant and use the best available technology & bloody start implementing it. Europe is light years ahead. Fix high city costs (staff, multiple useless bureaucracy layers, plan better, efficiencies, Ottawa run like a village clean up your act) Tax \$ elsewhere cover waste so ask why such a problem in Ottawa.

New technologies that turn waste into products or energy

Reduce garbage collection (bi-weekly) and keep recycling and green bin collection weekly. Also, please please please set a limit for garbage bags for households. These rules should also apply to apartments and condos (not sure how, but we have to find a way).

The City should target a zero-waste policy within the next 10 years and become a world leader in waste management. The City could also consider incentives for companies that offer new products or waste management solutions that could help meet the above objective. Finally, the City should also look at plans to reduce other forms of waste – water, energy, etc. Make it mandatory for all new construction to have either a green roof, or grey-water collection system, or solar panels.

Burn garbage to generate electricity, otherwise the questions are a bit odd...eg: I am sorting waste for pickup now I could only reduce if I hid waste in my back yard...

no but please no more containers, four is too many

After recently using the City of Ottawa website to find out how to recycle old clothes, I discovered that there was no textile recycling delivered by the city and that, with the exception of donating clothing in decent repair, it was recommended to throw out textiles and clothing – A simple solution that may reduce the amount of clothing in poor repair being thrown out is to include textile/clothing collection on a similar schedule to hazardous waste or yard waste collection.

Why are we not incinerating and power generating as they do in Europe (and southern Ontario, I think)–

I'd like to see fee's for the recycling & green bin programs fully shifted to garbage pick up, via either a tag system (each house gets X number of tags per year from the fee's and have to purchase more if needed), or a city provided garbage bin with households having a choice of size and with a sliding scale of fee's associated with each size, as is done in Toronto (<http://www.toronto.ca/target70/qa.htm#a03>).

I'd like to see residents use less black garbage bags. These get torn open by animals and garbage gets strewn all over and they are not environmentally friendly. Garbage cans with lids should be used by all imo.

I think that all businesses should be forced to compost – how hard is it–

I want garbage pick up to come every week. Every two weeks is asking for problems with pests (rats etc.). If you want to increase blackbox recycling, remove the requirement to cut down boxes, which can be difficult for elderly residents. Recycling and garbage should be on different days.

gas flares should be hooked up to a small power generator.

I would like to see the city partner with schools in the area to bring in comprehensive recycling and composting programs, along with an age-appropriate educational component. Teaching the heads of households and policy makers of the future of the importance of recycling is the only way to bring about change. These kids can also play a key role in educating their parents with respect to the importance of waste-reduction.

Methane Gas from landfills like NYC has. Also garbage men who are not lazy in performing their duties to collect the waste.

Burn of garbage and make energy

Mettre en marche le projet Plasco le plus rapidement possible. Suivre de près le



réacheminement des déchets ICI et établir des lois strictes avec contraventions pour le non-respect. Encourager davantage les résidents à composter.

No...but don't misunderstand my early responses to this questionnaire. The reason I do not foresee a greater reduction in my own household waste is that we are VERY good recyclers already and produce very little actual waste.

1. Have observed individuals removing recyclable materials from blue box – pop cans, etc – presumably to get refund on Quebec side. This takes revenue away from City of Ottawa. 2. ICI waste must have same rules as household waste, but not managed by the city. 3. Start enforcing / educating household waste rules on those who do not recycle/green bin.

Incineration!

Fine whom that do not recycle.

Mandatory recycling and diversion of building and renovation waste and by-products such that no waste enters a landfill site or is moved out of the City boundary to evade such mandatory requirement.

Packaging tax on goods. Better (typically less or reuseable) packages will become cheaper, overpackaging will become more expensive.

Abolir les sacs de plastique – avoir des charges plus sévères sur les individus / compagnies qui ne suivent pas les réglementations (de ce que l'on peut jeter). Impliquer les écoles pour apprendre aux jeunes l'importance de la récupération et du compostage. Considérer l'utilisation d'un incinérateur à vidanges. Consulter d'autres municipalités pour de nouvelles technologies à utiliser.

– Is there anything at the municipal level to support extended producer responsibility laws in Canada? It's hard to always avoid overpackaged products without this. – More power to you in getting energy-from-waste technology set up. Yes I will support my hard-earned tax dollars going to that! p.s. This survey was a bit hard to respond to for someone who already strives to reduce my waste (e.g. I don't recycle shampoo bottles because I don't buy them, and use a shampoo bar instead).

* energy from waste facility (turn waste into electricity for the city). * #9 enforcement – in that Ottawa large businesses and institutions actually are held accountable for validated plans. (i.e. Sparks St McDonalds & Cooper St Tim Hortons throw their waste in with their recyclables.)

Increase the number of free days and advertise them more so people are aware. Perhaps have a day dedicated to "Ottawa Garage sale day" and make it span a whole weekend. (sat+sun)

Lead a province wide effort to reduce waste. Environmental pollution does not stop at the city limits. The province should be forced to establish and enforce regulations concerning waste management.

Examine methods to tax households that do not recycle. Their irresponsible attitude is costing those of us who are responsible a lot of money in taxes.

Incineration MUST be started and used as it seems like the logical choice to remove waste all together while adding energy back into the electrical grid (for us to pay someone to take it off our hands – opps sorry about the Liberal job)

We should be burning our garbage and converting it to electricity like most civilized forward thinking European countries

First, design these surveys better. The first few questions are confusing and the preamble throws the reader off. Some of the questions were dumb, like will I reduce waste and increase recycling. My family makes 6 or 7 garbage bags a year. We recycle everything humanly possible. And yet your question is only about further cuts. You need to ask how much some of these idiots in our city generate, and then make them reduce. You should charge per bag – many more ideas but I'm being cut off here..

Many residents have become accustomed to using a blue/black box at home. Small and large employers have applied similar principles in the workplace (since it was inexpensive



and often easy to implement). In many cases "peer pressure" and environmental responsibility encourages use of these programs – especially at work. The city needs to develop an entirely new plan to help engage households into the green bin ... and then somehow drag that over to people's workplaces.

n/a

The ability to use biodegradable plastic bags in the green bin. Many people I know do not use the green bin because of maggots, smell, etc. If allowed to use a bag inside the bin, this would be eliminated and more people would use this program (and divert waste).

INCINERATION.....Please!INCINERATION.....Please!INCINERATION.....
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.Please!INCINERATION.....Please!

questions are poorly framed. e.g recycling everything for blue, black & green bins. How answer Q8 "how likely/unlikely to increase your efforts" and Q7 if I don't buy it I don't recycle it so how do I add it in future–Recycling of construction waste has to be mandatory, whether Prov or city control. CFL bulbs are beginning to represent a hazard. recycle containers in stores are at entrance ways with no control of vapour from broken bulbs.

Plasma gasification or incineration need to be at the forefront of any changes to waste disposal. Incineration technology is less expensive than plasma gasification, both have power generation potential, and plasma gasification has several usable by-products.

Why are we not looking to incinerate our garbage to produce power– this could be done in local incinerators rather than having to truck it all to one end of town. This is safe and is done in most European cities right in the city core. Look at the model that Berlin uses...one pickup truck, then centralized separation of glass, plastics, paper, compost materials, and residual, then incinerate it for power–Welcome to the nineteenth century of garbage handling!

The City of Ottawa should look at introducing a green bin program into businesses.

Turn plastic into oil. See the attached link.[http://www.youtube.com/watch-v=qGGabrRS8](http://www.youtube.com/watch?v=qGGabrRS8)

If possible use TV as most people watch TV. Newspapers are still around. Now that Ipods, etc are so in vogue use that media and try to attract the younger generation who are notoriously wasteful. Increase info for teachers and students. Please note – I cannot increase any more reduction of waste as I am presently recycling, reusing etc to the maximum. I sadly do not use the green bin as it is too awkward, heavy and unsanitary for this senior. Please have a place for such comments as above.

Check out Germany's recycle/garbage collection. They've been doing it for a lifetime. It's the law!

Better advertising of the days to put things out where people can take your used items. More of those days a year, and possible swap locations set up.

Q20 is ambiguous – Insti should be responsible, but City should provide the service. Early Qs misleading – can't reduce waste since already divert most; too many items still can't be recycled; where I don't recycle, it's because I re-use

I think this questionnaire is very slanted to recycling only. Of course no-one wants to add to the landfill. I think that the city should look at incineration rather than recycling because the landfill will do nothing but grow and grow even if recycle. The technology is almost totally off the shelf. I have to fill out the questionnaire to get you to read this comment. It will probably not get included in the report. Focusing on recycling & keeping landfill will only hide the problem.

During the lifecycle of an average family the amount of waste generated per household will change and any plan should take this into consideration. Residential incineration methods/techniques should also be taken into consideration. My last suggestion would be



to have ONE truck pickup of ALL residential waste.

Yes – stop wasting my money and taxes on policies that have no teeth. Anyone can draft some BS plan to reduce waste, but it doesn't matter worth a damn when you have ZERO enforcement. I have no motivation to reduce my garbage when the idiot next door produces 6 large garbage bags a week for a family of four with ZERO recycling effort. Why should I pay for their wasteful habits – or support your "efforts" which do nothing tangible to address such issues– And if you can't even handle residences...

Burning waste to generate electricity and or heat.

We recycle everything, we have a compost in our yard and we green bin waste from the table. The only thing that goes in the garbage is wrappings of meat , plastic bags and sterifoam

Do not cut back on weekly garbage pickup in the summer months. Explore incineration. incineration. waste to energy.

I would like to see the City do more to promote & enable community-based "freecycling" initiatives that are currently being run by private citizens on a volunteer basis. Both waste management and non-waste management programs run by the City can play a significant role in community-based freecycling. Such a policy would have a direct impact in achieving the stated VISION.

Make composting available to apartment buildings, make more community gardening spots available, if possible put the compost close to community gardens and make it available for sale to Ottawans.

Incineration/gasification

Burn the garbage , make energy !

I feel that the City of Ottawa r should ban the use of plastic bags that are not recyclable ... if Italy can do this surely we can too. Also, the use of plastic bottles should be banned! Other cities have and so should we! Also, I think you should look at this questionnaire as it relates to unemployed people completing this ... I HAD to fill in some questions only to send it!!

Is anybody – City, Province, etc. listening to the people in the area most affected by the Carp landfill– Having this facility within city boundaries and yet having no control of its new proposed operation is a kick in the face to area residents. Perhaps this proposed recycling should be moved to the Toronto area where most of this recycling material will be generated.

La ville d'Ottawa devrait encourager les citoyens et les citoyennes à réduire leurs déchets d'au moins un tiers d'ici 5 ans. Après cela, il faut que la ville taxe plus ceux et celles qui produisent trop de déchets et récompensent ceux et celles qui auront fait des efforts pour réduire la quantité de déchets de façon appréciable.Comme l'énergie électrique coûte cher en Ontario, il faudrait encourager l'innovation dans le domaine de la transformation des déchets en énergie propre comme en Allemag

a landfill gas to energy plant (burns landfill gas to generate electricity)an energy from waste facility (e.g. an incinerator, plasma gasification or other such facility that burns or gasifies waste and uses heat/stream to generate electricity)

This questionnaire was difficult for me to answer. It is clear from the way the questions are structured that the city already has decided on its course. The questionnaire is designed to support its predetermined decisions. No attempt is made to actually discover what residents think, want or prefer. No attempt is made to entertain or encourage new ideas. P.S. Question 10 is worded incorrectly

Provide incentives for households who recycle, and businesses who create programs. Bridgehead is a good example; they have recyclable cups and composts in all locations. Another issue is the packaging that is received when buying pre-made or take out food. Clear information on the recycling of big appliances,etc to ensure they are disposed of properly.



Restaurants such as McDonalds & Treats etc. should be required to provide recycling for cans & bottles. Likewise for malls that have such coffee shops & sources of cans & bottles. In concert with all municipalities in eastern Ontario, develop policies and regulations. Let private sector provide the services and facilities as is done in most of the rest of the world. The vision statement is hard to follow. Here is particular reason: any plan is carry out to the public, it is up to the public ability to recognize it and follow it. I didn't know that City of Ottawa didn't have any responsible for the business waste. I think every city should have their own waste system which include business and residential as well. I think each residents will return our stuffs to the business bureau. City of Ottawa could take care the waste from this points.

We need to be able to burn garbage and create energy.

Si je me trompe point, dans le questionnaire, vous ne mentionnez pas les déchet électronique. De nos jour, la technologie se tourne de plus en plus vers l'électronique. Alors pourquoi pas étudier Une technologie pour les déchets électronique : composante d'ordinateur et etc.

no

No but congrats on using Limesurvey! FLOSS FTW! Also, q#14, last option: should say 'off-site in bulk' instead of 'of-site in bulk'thanks!

I would like the City of Ottawa to give higher priority to and to actively promote reuse and freecycling practices.

I had to hunt online to find this survey because I heard about it in the news. It's not even advertised on the main page of the city's website. Just reading the survey educated me on important recycling things I did not even know before (Foil- Who knew). There should be more educational campaigns and posters educating what is recyclable. There is still a lot of education to do - maybe then will it increase the use of these services naturally.

Allow the simple function of legally being able to grind our food waste for those who do not create sufficient waste to deal with the negative aspect of the green bin. We recycle everything else we can, but refuse to deal with the gross effect of the GB for the small amount we produce. Keeping in mind that less honest people have installed and use a garburator even though it is not allowed in Ottawa.

1. regular garbage be collected every 2 weeks from end of Oct thru end of March. 2. Some form of checking that proper items are in each re-cycle container.

1. There is NO ROLE for City of Ottawa to take any waste from any outside city sources. 2. I remain frustrated that entities elected (provincial) and appointed outside the city can impact waste coming into city. 3. I remain frustrated that entities elected (provincial) and appointed outside the city can take any action that impacts our service and tax levels. One can wonder what is the relevance of city government! 4. The city has a role in standards and enforcement, not always service delivery

Stop spending taxpayer dollars on over-studying issues. JUST DO IT. Consider the amount of human waste / sewage in the Ottawa River -- don't buy the 'accidental dumps' throughout the year.

Incineration. Currently, the city's garbage policies are entirely aimed at political and environmental correctness, with no consideration AT ALL FOR TAXPAYER COST OR CONVENIENCE. YOU ARE AWFUL!!!

This whole questionnaire presumes that recycling is paramount. It is not. High temperature incineration / co-generation solves every repeat every 'problem' which seems to have been focussed upon. Questionnaire also ignores retirees living at home who have already reduced / recycled to the maximum. I repeat: high temperature co-generation solves all the problems! Please take the blinkers off. Plasco should be considered in this regard, as one of the options. Green bins suck and are not economic,

As the City of Ottawa has a vested interest in plasma gasification, we should be using this technology as part of the solution instead of developing more landfills which pollute the



watertable.

burn the garbage...quit burying it

Gifting economies. We have had Mr. Watson attend a free market, even though our numbers were down because of weather, this system is diverting by reusing and the amount of reduction that could be achieved by gifting reusable items is valuable in achieving the goal of having space left in the landfill in 2042!

In house pick so we can experiment

Anything you do or study will result in higher property taxes, which are already one of the highest in the country. Green bin collection is a good example. Leave the system as was before the green bin.

I believe that all consumer packaging should be recyclable. Styrofoam, plastic bags and/or wrap, is not recyclable in Ottawa blue boxes. Yet, in some Ontario municipalities, it is recyclable. Why- If styrofoam is not recyclable, its use should not be allowed for consumer packaging use. This should also include plastic bags and wrapping.

The Kearns Disintegration Technology is a Waste-to-Energy system that produces clean energy from waste, with combustion so thorough that the ash is completely inert, and does not require any water quenching.

I don't understand the emphasis on waste diversion. Why aren't we focusing on incineration, or plasma gasification- Both are waste disposal strategies that would limit the need for a new landfill, and could easily handle all of our current recyclables thereby reducing the demands of residents to source separate.

Stop reinventing the wheel and stop creating a fear campaign with my tax dollars - encourage the private sector to make profitable businesses that can better deal with waste materials e.g. see Denmark program: <http://viewer.zmags.com/showmag.php?mid=wsdps> NOTE: this is not permission to take a junket to Denmark - just read the booklet and make a few phone calls!An overburdened taxpayer

I already recycle well, so it's difficult to improve. My employer, the Province, at the Elgin Courthouse may have a plan but they execute very poorly and do not want to talk about it; they give me the runaround. Garbage should be a pay-as-you-go system; people would then pay attention and change their behaviours. Right now they see it as a 'free' service where everybody abuses

I don't feel this survey is of much use. In our household, we are already recycling to the maximum degree possible. We need to move towards waste incineration plants - examine what they do in Europe and move in that direction.

There should be a pay as you go waste system - the first bag is free and additional bags a \$1 or \$2. This will force people to recycle as much as possible. Our family of 4 puts out 1 black garbage bag a week sometimes less.

High temperature incineration (it's done in Europe, why not here-)

Yes, I do. I would like to see the return of placing wine and beer bottles into the blue box as opposed to returning them to the beer store. I think this would result in reductions in terms of car emissions.

Pay per use waste collection

I think Ottawa should take a leadership position in generating energy from combustion of waste. I know the technology is still not perfect but it is far better than most alternatives and is being done successfully in other parts of the world. I also believe pay-as-you-go is something that should be emphasized. The reason I could not say we are likely to reduce our waste in future is because we are VERY conscious of it now and recycle all we can, so the room for improvement is limited

Yes. If people had to pay for excessive garbage, they would change their habits. Eg. plastic shopping bags. Often we do not put out any garbage, but still pay the same as someone putting out five bags. Not fair. Why aren't we incinerating our garbage as they do in Europe.

On the residential side, I would like to reduce our household's garbage. We currently



recycle most of what is recyclable. It is the compost that we need to work towards using. I have seen other municipalities do pay for pick up – I'm sure it's a pain, but I think it would provide the incentive for individual families to make more of an effort to divert their waste from the landfill. Where does the compost go–

I would like to be able to recycle styrofoam food trays and containers and plastic bags and wrap, as these constitute the majority of our household waste. I would also like to see roadside hazardous waste collection once or twice a year, as that would be much more convenient than periodic hazardous waste depots and I think it would divert more hazardous waste from landfill.

Where possible, pay-by-use i.e. those who dispose more (trash to landfill, not recycling etc.) pay more. In whatever way and model may be realistic.

High Heat Incineration

Burning waste to produce electricity. This should be quite profitable based on the price our Liberal Govt is willing to pay for new sources of energy.

No

Institute a deposit on pop cans to make them returnable as it done in Quebec and with wine and liquor bottles in Ontario. This would reduced blue box content.

I would like to see the city push the province to get a full Plasmox site up and running. It is the clear front runner in my mind to waste management for the future.

Instead of focusing purely on the method of relocating the waste, I would suggest we also focus on initial consumption of such wastes. Product packaging is a significantly large contributor to our landfills. If the City works to implement a policy or a reward for local business to minimize their inventory of cellophane, Styrofoam products, etc, we would be working towards a change much like that 'pay for your plastic grocery bags' movement.

Allow for larger blue boxes and black boxes (on wheels) to be purchased for residential use. With clamshell packaging, our blue boxes are filling up too fast. You don't want to make it easier to just put overflowing blue box materials in the garbage. If the option already exists to get these larger bins.....advertise it!

Expansion of green bin program to businesses (i.e. provide a cost-effective solution-- comparable to waste disposal--for compostable waste, especially to large generators such as food stores) and non-profits (i.e. provide no-cost green bin containers and service-- especially seeing that we are paying Orgaworld to handle more waste than we currently produce).

Restrict the sale of packaging that is not reusable, recyclable, or compostable

I was shocked to find out that beside residences, very few commercial, business and construction companies were doing their share, representing the majority of the waste produced.

Lets learn from other countries who a way ahead of us such as Sweden where land mass does not allow for landfill sites. Incineration/plasma gasification or similiar methods.

More energy from waste

Better signage for recycling in office kitchens/ local businesses so that people know where to put their garbage. Greenbins in all schools and apartment buildings. Ability for residents to recycle garbage along main streets.

I believe that we should be incinerating much of our garbage with the latest technologies. Making 20 year deals or worrying about 2035 or 2042 is unimportant. (technology will take care of business) Do not look further than 10 years or so!! Green bins is a waste of money. If you want to look in the near future incineration is the way to go, or even better plasmafication. Burn and create energy. Stop the landfill!!!!!!!

Right now I recycle everything except plastic film. Is there nothing that can be done to ensure that this source of waste is separated and recycled–One thing that Ottawa doesn't do well is report on its waste management to citizens. This should be part of an annual report which should be published on the web-site. I think it is important to motivate



people by connecting their efforts to overall performance. In particular how much blue/black box materials is disposed of in the landfill.

Ottawa needs to educate the public on how much more cost effective recycling is! Give us big recycling bins like they have.

how to use plasma gasification efficiently.

Doesn't matter what the plan or vision is the problem will still remain. We are a retired couple with no children living at home and as previously stated you could pick up our garbage once a month and that would be fine with us. However on our street we have all types of families some with and some without children and a majority of these people never recycle and put out over 5 containers of garbage per week. Can hardly wait till you start picking up every second week.

Residents should have to buy tags for the amount of waste put out for disposal like many other municipalities in Ontario.

The green bin program has been fantastic and has helped our household reduce waste considerably. I think recycling and waste should have incentives/disincentives tied to it (e.g., you pay more for more garbage or you pay less if you put out less garbage).

ALL WASTE SHOULD BE INCINERATED. Build an incinerator and stop wasting time and money on all this complicated recycling nonsense – BURN IT ALL and produce some ENERGY.

Rather than blue and black boxes, have one cart that all recycling products, excluding compost of course, can go in. This creates less confusion, more recycling will be done and also creates employment at sorting centers. See the City of Calgary for guidelines. It's working there and working well and in a short time. Ottawa citizens are already into recycling and composting. It would just make it easier, more secure carts and less damage to boxes.

I would "STRONGLY" suggest and support, that ALL waste that "could" be, be put through a Shredder. Take the example of a fallen tree, see the amount of space it occupies, put that tree in a Shredder, now see the amount of space it takes up. I read about this idea "long" ago, it makes "PERFECT" since "to me".

I would like the city to examine the possibility of incinerating waste with a view to energy creation.

d'abord agrandir les bacs de recyclage trop petits pour qu'ils puissent contenir tout ce qui peut aller au recyclage au lieu de mettre le restant dans la poubelle (ça déborde, et insister auprès des entreprises responsables de réduire d'une façon considérable leurs emballages. forget all the recycling and put everything in high intensity incineration, one truck, simple, cost effective, stop the left wing ideology non-sense and use common sense for a change.

The more people waste, the more they should pay.

Really promote 3 R's (reduce, reuse, recycle); possibly charge people who throw out too much garbage and/or don't recycle enough; make more use of energy-from-waste technology; help create or support market for recycled materials.

tax rebates for companies which recycle their products and price costs for consumers who buy those products

More options for recycling locally. Driving all over to recycle takes gas. Community volunteers could help here in collecting recyclables. These same groups could also dismantle items into individual parts.

generating energy through waste incineration

Make it clearer what can and cannot be recycled – I used to recycle clear plastic clamshell containers (eg, for fruit) but stopped a couple of years ago because I thought they were no longer allowed – it seems from your questioning that they are, in fact, allowed. And what about plastic containers from frozen dinners–

I would like to state that I do not like private companies making money off goods I purchased and had to recycle. The revenue should offset my garbage collection fees or



taxes which it does not. This way I pay for the garbage collection twice!

Get a plan for reuse or recycling of the millions of plastic hangers that retail clothing establishments currently put in the trash. Develop a plan for recycling cardboard from commercial establishments. Write off the current green bin as a bad investment. Come up with one that is animal proof. (ie not plastic that can be chewed, and one that has a solid locking mechanism) I am appalled at the waste of money for these bins.

- household general waste pick-up should be every two weeks.- townhouse and apartment complexes should be REQUIRED to provide communal recycling containers for the complex, i.e., each resident takes their recycling to a location central to the complex.- re: Question 21 - There should be targets for businesses but the Province should set those targets, not the City.

I believe that the most important step for the city to take is to increase awareness on the need to REDUCE waste by households, institutions, and businesses. I do not believe that any form of incineration is the answer, no is recycling a long term answer, especially for plastics. I believe the City and others should work on returnable and reusable containers.

I'd like to see mandatory green waste sorting/collection in condos and businesses/workplaces. Ottawa should become a national leader in biofuel as an alternative energy source and means for waste management.

1- Develop facilities to produce electricity by incineration of all waste destined for landfill (NOTE: if blocked by province, petition for change or take Province to court on grounds they are forcing city to spend more & open more unnecessary landfills)2- Develop/obtain waste separation technology so that household (and industrial) waste can be picked up by by a single truck3- Move towards total waste pickup and disposal by commercial companies (city as contractor/regulator only)

I believe we should also be putting pastic bags in the blue bin. These are now most of my garbage.

yes I do

GET RID OF THE STUPID GREEN BINS....WHAT A WASTE OF TAXPAYERS MONEY...AND PICK UP OUR GARBAGE EVERY WEEK!...TYPICAL CITY OF OTTAWA!!!!AS SOON AS I AM RETIRED...I'M OUT OF OTTAWA FOR GOOD!

Energy to waste!!!! Backyard composting!!

INCINERATION

Compostable plastic bags for green bins as well as larger curb side green bins. Reduce the number of allowed curb side garbage bags to 1 per household. And allow plastic bags in the blue bin recycle program.

Fees for garbage and waste should be treated as a utility fee and not a tax. So user pays beyond a minimum amount. I see lots of rental houses and apt. here that dispose of huge amounts of waste, furniture, mattresses etc curbside, the tenants should be paying for this and not the landlord or the residential homeowners/taxpayers footing the bill for all their garbage. when I was a landlord in other cities, I had to dispose of the tenant's mess not the city, and it came out of the damage depos

Large Wheeled Blue/Black Boxes Implement larger wheeled recycling containers. I use Quebec's large wheeled box at our cottage in Quebec and it is manageable to easily pull. We currently fill two black boxes and they are too heavy for me to carry to the curb. We also take two blue boxes to the curb and using a wheeled larger container would be preferable. This would enable people with limited mobility to recycle and reduce the amount of recycling that is blown by the wind into the streets.

Incineration, mre landfill, quit wasting more money of composting than it would cost to have a new landfill

I would like to see the City reconsider its pig-headed stand on incineration of waste. My understanding is that the technology has advanced to the point where air pollution can now be limited almost to the point of being eliminated; landfill requirements can be greatly



reduced; AND significant amounts of energy can be produced at the same time.

replacing non-recyclable plastics with a recyclable material more focus on "behaviour change" marketing rather than conventional marketing tools

Something more sophisticated than landfills!

Drywall recycling (City of Victoria does it and they are smaller)

Start incineration. Keep promoting recycling Stop asking stupid questions, do something OR Do it the easy way as usual, increase taxes. Roland

Change provincial legislation re: packaging. Producers have a role to play.

Force newspapers to print editions with fewer pages. Prevent the unauthorized delivery of flyers.

Burn it all!!!!

The energy from waste option should be reviewed and then implemented in a large scale fashion. In fact, recovery of waste from landfills should then be initiated, thus reducing the size of the site. Also a comprehensive ad campaign needs to be initiated to instill in people's minds that they are responsible for their waste. (it is not thrown on the street or left on buses etc.)

There should be at least one hazardous waste depot that is open regular business hours, instead of the current weekend drop-off dates. The current system penalizes those who are conscientious about disposal, by forcing them to hang onto potentially hazardous materials until they are able to drop them off.

recycling of styrofoam. If it costs no more or is more environmentally friendly to recycle than to landfill, incinerate, compost or any other method then that should be done. This was not considered when a great deal of the "plastic" which used to be collected for recycling was diverted to landfill.

I would like to see a better sorting machine, because people will not get it right or take the time to get it right. I pick up & sort as I walk, but most garbage cans are just for garbage. Would a can & bottle recycling container be available - Japan has very good receptacles -- one for plastic, one for paper, & the remainder for incineration. Toronto has also tried new receptacles--how are they doing-

1) About 45% of my residential waste comes from publicity flyers. I suggest that the city rules that only citizens who ask for flyers should receive them. This includes local papers. This stuff is available on the WEB anyway. 2) An on-call, unfixed, free junk removal service for all special residential waste instead of specialized, multiple drop points.

City of Ottawa Housing could improve education to tenants regarding the recycling program. I work for the City of Ottawa and staff are VERY negligent on recycling. Non-profit organizations find it very challenging to afford recyclable products i.e.: Meals on Wheels, on a limited budget, use styrofoam products as they are much less costly. Highrise buildings- Adult diapers will be a major contributor in the near future. Limiting the ridiculous amount of flyers going out to households. NOT ENOUGH ROOM!

Incineration and related technologies

garbage max, user fees for additional waste, alternate week garbage pick-up

Your vision statement is too limiting. The purpose should be to be responsible caretakers of the environment, not just wanting the landfill to last so we can save money.

too many trucks are being used to collect the home waste. in the suburbs a designated space should be made at the end of each street for residents to drop off their bins (as you do with letter boxes), in this way the trucks do not need to drive up each street and stop every 2m to pick up the bins!!!

the city should explore incineration of garbage, particularly since the green box program removes most wet matter such as food waste from the rest of the garbage. The city should also remove metal articles from garbage for recycling. I believe that Edmonton has such a program which appears to work well. Previous councils appear to have dismissed



incineration out of hand even though there are many plants in Europe and Japan which work perfectly well but have plumped for the unproven Plasco plant

Absolutely need to recycle styrofoam – we recycle/green bin as much as we can, so have minimal garbage, but with styrofoam being in so much packaging, it adds a significant amount to the volume.

I used to live in the city of Guelph where they were very strict with your personal waste/recycling sorting. You HAD to recycle and if you put something recyclable in your waste, they wouldn't pick it up. Residents should be forced to recycle.

Absolutely. All I see in this survey has to do with recycling and green projects. With all that wasted money, we would already have a fully functional Burn for Energy plant. Get with the 21st Century.

Il devrait y avoir des sites de dépôt pour les déchets dangereux usuels tels les nouveaux globes fluorescents, les piles a des endroits pratiques, tels centres communautaires.

Incineration and / or gasification to produce electricity

How much hazardous waste goes to the landfill because it is onerous to dispose– I don't want to run all over town or to queue for hours to dispose of hazardous waste. I'm retired and I don't mind making one trip to the Trail road site during the day when everyone else is at work.

Shame on you! This was a dumb survey and the lack of vision for the city frightens me. What more can I recycle--- This is a bandaid approach. 55% is not being recycled and will never be zero. What about creating thermal energy from waste– Look to Sweden as a successful example! BTW, since the green bin started, many people claim the air smells worse when the winds blow from the west (we live central) and I agree.

HIGH EFFICIENCY INCINERATION!!!!However, the powers that be refuse to even consider it – yet another example of their less than competent management. I use the green bin to it's full extent, as it is the only option available to me, but have never had my most important question answered. As we can never meet our quotas as agreed to in the very expensive contract signed with Orgaworld, I would like to know why the people responsible have not been identified and fired for their incompetence.

i have no useful first hand knowledge of this subject

Regulate ICI , don't take over responsibility unless cost is offset by further taxation or user fees to the ICI users.Explore sink waste disposal as a compost option. Sewage waste is already processed for fertilization. This could reduce the number of trucks required to pick up compost waste.Explore alternating road–side garbage pick–up. Every other pickup date, garbage picked up on other side of the road (where possible). In the suburbs this would cut the number of stops in half.

Yes I do and the city has been advised of this many times and ignores it. We should build an incinerator and burn the waste, this can also produce energy. This can be done, yet city council signed a 20 year contract with Orga World. This is just stupidity on city council.

I don't think my reply will even be considered . A colossal waste of time .

More incineration should be used to dispose of our garbage rather than expanding our landfills.

High heat gasification is the only way to go.

The City of Ottawa should and must examine incineration of garbage, no more landfills, burn it!

Yes. I want to see the implementation of High Efficiency Incineration or plasma gasification as per #3 ini item #14 above, in our city. I believe that this is the most efficient way to do away with our garbage. I don't know why it wasn't done before. It would give us electricity and less trucks on the road for pickup.

no faith in ability of city of ottawa to study any technology related to garbage. suggest it be entirely privatized and homeowners billed directly for garbage services – city stay out of it

Cities and regions world wide are taking their landfill waste and converting it to electricity



and thermal power. Ottawa is behind the times. This is going on in both developed and developing countries. My website, Earth's Energy, reports on these developments on a regular basis. For an idea of what is happening in other jurisdictions go to www.anthropower.com and do a search on "waste to energy". The city of San Antonio, Texas, for example is converting human waste to electricity.

Organic compost pick up at Apt buildings/businesses Fast food packaging composting, tax on fast food to offset clean up of litter everywhere.

Looking at Scandanavian models where electricity is generated from waste disposal, and facilities are easily accessible for residents and businesses to have waste centrally collected and/or collated. Also, the potential for households to be sent stickers for garbage bags based on persons per household, with the option of purchase for higher quantities (at a relatively high price—there will always be those who don't bother to comply)

no

Stop this old way of dealing with garbage and incinerate all our garbage like they do in Europe! Creates plenty of energy and very, very little polution.

We need to get plasma gasification online so we can divert nearly all waste and create useful electricity. Plasma gasification may well be the perfect way to reduce the waste from industry and business by having it all go to Plasco and be turned into electricity thereby greatly reducing the amount of waste going to landfills.

An Energy from Waste facility such as high efficiency incineration needs to be seriously considered. This is the key to future energy disposal IMO.

HIGH EFFICIENCY INCINERATION AND PLASMA GASIFICATION!!!

incineration is the way to go.I think the city of ottawa has its waste program reversed.... Green bin waste should be going into landfills, and all other waste should be incinerated.

no

an energy from waste facility (e.g. an incinerator, plasma gasification or other such facility that burns or gasifies waste and uses heat/stream to generate electricity)Stop using the Green Box!!!!

The city hjas not focused on the "reduce" cponent when it comes to retail packaging. Why can't you force grocery retailers to use paper vice styrofoam packaging for certain foods. –

The city should explore state-of-the-art incineration technology which will eliminate the requirement for new landfills. Old landfill could be mined and incinerated and land reclaimed. The side benefit of an energy program – waste to electrical generation could alleviate any future requirement to out source electricity.Our current waste service – collection and diversion – while admirable, is too costly and will only generate future questionnaires such as this regarding landfills.

Plasma gasification and high-efficiency incineration are the keys to this. Bring these types of waste to energy systems online, and you don't need to waste money on recycling or new landfills. Also, scrap the green bin, as this takes away the only compostable material in the landfills, thus exacerbating the problem.

BURN EVERYTHING!Plasma gasification... incinerator... or a combination of both. Get rid of ALL dump sites or landfill sites.

insenerate garbage

Yes, I think that plasma gasification should be the primary method of waste processing for the city.

I think the city should take charge of ICI waste since that accounts for 70% of the waste generated. The city should seriously be pushing Plasco (Plasma Gasification) if it works – especially since it would be a boom technically/financially for Ottawa.I DO NOT want the Ottawa region to be a hub for garbage collection.

If we incinerated everything there would be no need for recycling or waste disposal sites and this questionare would be irrelivent. Keep it simple!!!

Waste to energy. We need to rewrite the Provincial "waste diversion" targets in areas the the



Province has no "responsibility" like residential waste.

incineration, no green bins, black and blue bins collected together

Did you know that Berlin has not had a dump since 2005 and they process one million tonnes of waste annually. 550,000 tonnes are recycled and the rest is sorted and processed into pellets for power. Even the garbage trucks run on garbage. Why can't we do this – Why not look at what other major cities do and not try to re-invent the wheel. And why can't we recycle styrofoam –

Yes, I think the city should be looking at incineration as the only viable option to replace landfills. It is relatively inexpensive compared to landfills with no long term effects. We should also be looking at composting diapers and biodegradable plastics. As for where the stuff is recycled – economies of scale makes sense – we all don't have to serve everything – do you what you do best and hire out the rest! As for making households recycle more, we can't unless more plastics are taken

Plasma conversion.

I would like to see the City become more involved with gasification, incineration, plasma, an energy from waste system. Thank you for the opportunity to complete the questionnaire.

High efficiency incineration.

Recycling will not work unless the city pays people to recycle. If the Yukon can pay people to bring their bottles and plastic to a depot then Ottawa can too. If the city was serious about reducing waste and the cost of collecting it in landfills they would consider High Incineration. The fact that the city will not explore the latter avenue indicates that they are more interested in setting up another revenue flow rather than effectively dealing with the problems of waste.

Incentives to reduce packaging

We should be moving towards full fledged incineration (Plasma or otherwise) – As a city we seem to gladly look towards Europe for so many ideas such as public transportation, bicycle usage, green power etc – but completely ignore what is happening in terms of waste processing – and that is incineration. Also – one way or another a new dump facility WILL be required and the space should be acquired now, NOT in 23 years. The money from sale of recycling should be designated towards implementation

Redundant Service I propose to do away with door-to-door pickup of both recycling material and all forms of small waste (garbage). It was for health reasons our City started a project to pick up after the horses did their do-do and also to clear away any dead horses off the street, back in the days when the only way to move goods was by horses or an ox. Slowly the retailers were the only ones making use of this all street pickup service and now the only waste taken away are by-products that come from retail stores. The retailers have goods brought to them by trucks, and the trucks leave the retail stores empty. The customers in an empty vehicle drive to their retail store to make purchases leaving the retail store fully loaded with groceries and/ or other goods. Those moving goods into the retail store to the customer's home all cause pollution, wear and tear to our roads, and waste fuel energy. The service of picking up waste and recyclables is costing the city annually \$50,000,000.00. This does not include the cost of health from added air pollution and the damages to our roads caused by two different trucks doing door to door service picking up waste and recyclables. This air pollution could be causing our immune system to weaken. Some science professors¹ believe that most of the cancer is caused by pollution from vehicles in our cities. Will the councillors implement a by-law to force retailers to be more responsible for the packaging that leaves their stores and that customers should bring back what they took out of a store for recycling etc. – The retailers could be using these empty trucks that unload the goods into their store, to take back the packaging to either the wholesaler, manufacturers or to a private company that does waste conversion. Without a by-law it would not be fair for those who want to be responsible corporate citizens in many ways. Here is how the new by-law should look, as follows, if



we want to make landfill obsolete... All packaging and other items that come out of any retail store should still be the responsibility of the store after it leaves. The item to be returned can be returned voluntarily or through incentives or by deposit system. The city may provide the service at the location of the retail store if space is available at an upfront cost to the retail store. Retailers may refuse to accept items or to give out deposit if it's not the brand they sell or may choose the amount of money to give out as incentives if the item in question has some contents still inside, not washed out properly, or not rinsed out properly, wet or damp. No hazardous waste will be allowed to end up as waste for the landfill. The public may choose where they want to bring their waste no matter whether they shop, or where service is provided depending on if they sell this type of item. A private separate company can set up business to accept what the stores have sold through their store and other items.. If and when the city decides to meet higher contents to be recycled, or redirect from going to the landfill, then a deposited system becomes mandatory, and if a rebate or deposit is already in place then a higher monetary rebate or deposit will be required. The landfill in question will only be used as a temporary holding site for garbage (mixed material that nobody wants). Other rules will be laid down in the future to reach zero material (or waste) ending up in the landfill. 1. An article in the Ottawa Citizen, Wednesday, 28 November 2007, Page A17, paragraph 8, line 8.

Examine taking plasma gasification to the next level of certification so that full production can begin introducing clean electricity into the City of Ottawa's electrical grid. Let's put our waste to work.

if we do not consider waste to energy now and make it a priority we will have to pay a lot more in the future. Why is plasma/ high efficiency incineration so difficult to talk about or consider as a primary source for waste disposal, this technology is currently in use around the world. Let's become a leader in waste disposal!!!!!!!!!!!!!!!!!!!!!!

Removing the Green bin program.

has the city ever considered high-efficiency incineration as a way to avoid garbage dumps they are in use in the UK

an incinerator, plasma gasification or other such facility that burns or gasifies waste and uses heat/stream to generate electricity, forget recycling burn everything

Sensibilisation sur la réduction à la source, pas seulement pour les jeunes, mais pour toutes les tranches d'âge. On se croit compétent en certaines matières, on pense faire notre part, mais souvent on se trompe.

– Get rid of the Green Bin program. It is a waste of tax payers' money and it damages the environment. It also generates more garbage, incubates flies/rats, cultivates germs, poisons raccoons,... etc.– impose a reasonable limit on each household on the amount of garbage they can throw out each week. Establish a user pay system – the more garbage you generate, the more you pay.

Reduce the number of government employees. We can't afford the strikes and pensions.

No, but I just want to add that we have greatly reduced our garbage output by recycling—so thus my answers above.

1. Expand the plasma gasification facility to reduce the amount of waste going to landfills. 2. Require that all apartments, restaurants, and businesses (as well as all residences) must segregate their waste streams, especially compostable materials. There must be inspectors to check garbage to verify that all recyclables have been removed. Offenders warned, then fined. This must be public knowledge. 3. Find a way to recycle plastic bags (other than at Metro stores) and #6 plastic.

Simply charge residents for the amount of waste they produce. Have tickets that are put on bags or cans... A "pay as you go" approach would be fair and motivate those who can do the greatest reduction.

burn garbage. Use disposal sites far away (as Toronto does). Close the Navan garbage site. It always stinks and Navan Road always has potholes and garbage on it. I have had 3



cracked windshields. The dump drivers are maniacs (sometimes) and the road is too narrow.

Hi, As both a civil engineer working and as a young citizen of Ottawa, I believe just as they are trying to employ in Europe and we are trying to employ here, that more more should be invest in forms like Plasco's plasma gasification waste to energy plant, as well as Landfill gas to energy plants. These renewable sources increase Ottawa's equity both by potentially creating revenue in the long run, and by investing in Ottawa by maintaining a future landscape that is not unsoiled with landfill

Incineration!

Incineration of garbage should be Number 1 priority!!!

This questionnaire is biased toward recycling, composting and landfills. the ONLY option the city should be pursuing is "waste to energy". I don't care about provincial legislation! Get it changed and stop wasting my time and money!!!!

I want Ottawa to introduce and enforce a mandatory recycling by-law for waste generated by businesses and institutions in Ottawa, including those in the construction and demolition sector. Such a by-law, known as a "mandatory source separation" by-law, would require all nonresidential establishments to separate and arrange for the recycling of blue and black box recyclables, food scraps, & electronics, as well as designated construction materials such as wood, metals, concrete, asphalt, & gypsum

High efficiency incineration for all garbage collected including all recyclables and compostables for the purpose of producing electricity. This must be studied during this first stage.

To my dying day I will emphatically urge the city to utilize intensive plasma gasification! It works for European cities (who are probably 20 years ahead of us). This questionnaire is more an indoctrination on how to think and to show how misguided and ill informed anyone is who isn't "getting with the program" Now you get to dismiss my flip replies because they are obviously illogical and ill-informed! Whatever! plasma gasification!!!

The City should be planning for an incinerator to decrease the waste and a lot of the above can be disregarded. You then won't need a long term project that waste the taxpayers money like the city did with Orgaworld- a waste of money and we are stuck with the bill for the next 20 years- what a stupid decision by The City.

Under no circumstances should the Carp dump be expanded!!! It should not be allowed to accept waste from outside Ottawa.

all garbage should go to one place for sorting, recycle what we can then incinerate the rest to produce electricity that can be sold to the province at a profit. landfills are outdated, expensive and hazardous to the environment.

INCINERATION! INCINERATION! INCINERATION! As a family of 2, we already recycle all that we can and reuse as well. With 5 composters in our garden, we do not use the green bin as all that would be in it would be a couple of bones each week. The only answer I see is incineration...no more landfill sites necessary.

I would love to see a burning site it exist in other places and is the best way that I can see Thank you

Stop recycling and composting and burn the stuff re plasma gasification. The city staff in this area are green peace idiots who have no idea what they are doing!!! You should all be FIRED!!

I think our vision for waste should be more aggressive--it only seems to achieve an additional 10 years at the waste facility. I would have appreciated more information about where our ICI waste is going--we probably don't have a good figure for it, but an estimate would be helpful. I think public education and attitude/value change is really important in this campaign as well as links to the larger climate change/resource crunch issues.

Grinding waste as a way to reduce the volume going into the landfill(s)

Plasma gasification at plasco energy group.



The city of Ottawa should explore the option of grinding up landfill waste in order to reduce landfill volume by 2/3. This would result in the life extension of the landfills plus allow for easier processing of materials for incineration etc as they are already pre-processed.

Incineration using the best available technology.

WHY AREN'T YOU USING GASIFICATION/PLASCO TO BURN OUR GARBAGE AND USE THAT ENERGY TO POWER HOUSES- I WILL NEVER UNDERSTAND WHY THE CITY NEVER CONSIDERED THIS WHEN IT IS USED IN EUROPE FOR YEARS. STOP ADDING TO THE CARP MOUNTAIN AND INCENERATE.

Incineration! We need a waste sorting station where all waste is brought in and sorted. Recyclables and organics removed and processed. True waste shipped to incineration and the ash and clinkers mixed into asphalt for road resurfacing.

Why has this survey not included gasification- We should completely STOP any and ALL recycling and composting. EVERYTHING should be going to Plasco. Speaking of waste, why are we having another survey so soon after the last survey-

I think the city should investigate operating it's own waste sorting facility for ICI waste, colocated at trail rd, so the city can increase diversion rates for that waste stream and get better data about the volumes and composition of that waste stream.

INCINERATION!!!!!!!!!!!!!!!!!!!!!! Can you people not understand English or French- I N C I N E R A T I O N!!!

No, but I think your next questionnaire could benefit from a comment box under each question. E.g., we don't put juice boxes in our blue bin - not because we think they are waste, but because we don't put them. I would need to know more about how hospital waste is disposed of before thinking the city should take it over. Regional waste facilities generate a lot of transport traffic and may lead people away from taking personal responsibility for the amount of garbage they generate.

Please look at adding dog waste and diapers/incontinence products to the green bin like many other Ontario cities (York region, Richmond Hill, etc). I'm totally against retirement homes and long-term care homes having to obey local laws about recycling/waste disposal as the seniors, 1/3 of which have dementia, like my mother, do not have the mental capacity to participate in this product, and sometimes their dentures end up in the trash and the used toilet paper goes into garbage instead of toilet

YES- INCINERATION

the ability to recycle styrofoam containers

Yes. All plastics, including bags and styrofoam, should be collected. Those that can not be sold should be sent to the Plasco facility for processing as they have very high energy content for that system. There is no need for plastics to go to the landfill when we have the Plasco technology here.

Despite explorations of options such as Plasco, landfilling is still the least expensive waste disposal option in Canada because of the availability of land. The City should take a leadership role in helping citizens understand the level of control in place at these modern facilities and accepting responsibility for locally generated waste. Hopefully citizens taking this survey will support the City taking initiative in the IC&I and C&D sectors.

Roll out blue box, black box and green bin programs to everyone in the city, including businesses, but the city should not necessarily cover the costs of these services.

Strongly believe in the implementation of incineration or plasma gasification. This should be a priority and should have been done years ago.

In particular, my concern is the Carp landfill site, which was slated to close in 2010 when we bought property nearby. This site is not run by the city, and household waste is not dumped there, however, Industrial and commercial waste IS dumped there - and this was 90% of the bulk of the garbage they collected there even before they stopped accepting household waste. The dump needs to be shut regardless of which layer of government is



responsible for it. I am happy to have green bin recycling

Increase the amounts of product that are recycled in Ottawa (e.g., styrofoam). Also, increase green box use to rural areas, such as Carp, where I live.

More public outreach to reduce material consumption, and encourage reusing. Teach people that recycling should be the last option, reducing and reusing should come first.

garbage incineration will resolve the problems we have today. Why does the survey not include "incineration". I believe the city of Ottawa doesn't want to change the way the waste is managed today. Why would the city of Ottawa promote another garbage site when it's not necessary if the city of Ottawa promoted "INCINERATION" !!!!

I want 100% of waste diverted to Waste to Energy – Hi temp incineration plant on Trail Road. This includes all recyclables, compostables, old furniture, old appliances, all "garbage" IMMEDIATELY with 50% of energy produced being provided to Ottawa Hydro to reduce Ottawa residents' overwhelmingly crippling "hydro" bills. This also completely eliminates the City's need for numerous garbage truck drivers, mechanics, etc. & their unions' crippling financial demands.

Burn the garbage

Put in incinerator plant so that landfills will not be necessary. Get rid of the Green Bin. It's waste of money.

Close the Carp Dump completely. Stop the province from telling us what to do. Pressure McGuinty into allowing incineration of garbage that cannot be recycled. When you have 3 garbage trucks picking up garbage it is not saving money or preventing green gases. Have people do their own composting of green matter only. Putting cat poop and meat into the green bin is toxic. I will never buy compost from the city of Ottawa. By law you should be selling it with a toxic label

More attention must be paid to a Business Case for each waste stream instead of being excessively driven by a 'recycling dogma'

Plasco to be a major partner in all of Ottawa's waste management. Also, expense is a concern if Ottawa takes on provincial responsibilities. We should urge Ontario to do its own job or give us money to do it.

Waste to Energy!!!!Waste to Energy!!!!Waste to Energy!!!!Waste to Energy!!!!

Accept ALL garbage, and sort it at the dump. If it shows up presorted, then charge a lower tipping fee. Modern technology will allow you to recover up to 95% of the garbage. Sell the recyclable items that are economically viable. Use plasma gasification (or whatever technology) to get rid of the rest.

plasma gasification

Plasco

Incinerate the Garbage and stop this Blue Box, Black Box, Green Bin, Orange Bin, Pink Box, Yellow Box and whatever other Freekin color you come up with. This is effin nuts. The system we use now is assinine and only a dumbass could come up with it. Use high incineration and convert the energy so we can save. Overview of Municipal Waste Incineration <http://www.citizenswasteinfo.org/A59CA/ccwm.nsf/5155d8f53ce25d2785256cc300567828/844d66e71f3e8b7685256cf50065bb7b-OpenDocument>

Better spend time on resolving transportation problem.

an incinerator. The Carp Landfill is just burning the methane gas into the air, so also a landfill gas to energy plant. If the gas is already there, it'll cut down on some of the expenses. Also, DON'T rip up a road 1 week after repaving it, that's another way to increase costs for the tax payer (us who pay your salary).

INCINERATION.....INCINERATION...INCINERATION...INCINERATION...INCINERATION

RRR, continue with recycle program identify use of black, green vs yard waste collection – confusing why all 3 exist add gasification process

Stop waste of money on recycling and use incineration and gas plasmafication.



Incineration and waste to energy. No more garbage dumps.

We should build more and bigger plants like plasco and make money taking all garbage for profit, making electricity and selling it. Win win.

Sole use of plasma gasification.

La ville d'Ottawa devrait mettre sur pied dans les écoles élémentaires et secondaires, un programme de sensibilisation intensif et continu sur le pourquoi et le comment du recyclage et du compostage. La ville d'Ottawa devrait également faire preuve de courage et de vision en imposant des sanctions aux foyers et aux institutions qui ne recyclent pas.

I think the city could increase waste reduction and diversion by having in-home interventions, e.g., summer students showing home owners how to reduce, reuse and recycle, perhaps on a pilot project basis in the first instance.

move ahead with the Plasco project as soon as possible. Put a feed on excessive curb side waste. Have only a gfew days per year where residents can put large items for garbage pick up.

n/c

A law that requires residents and businesses to use black and blue bin recycling and if not, trash will not be collected

No new dumps.Use waste to energy such as Plasco.Ottawa dumps should no longer accept waste from other areas.Work to reduce the cost of the systemGet rid of the green bin, it is a waste of money!

burn waste to create energy. For example:<http://www.chinookenergy.com/-gclid=CJXhnujmkawCFQMUKgodwnz5nQ>

High Temperature or Plasma Incineration to produce energy from waste.

Most of Ottawa's waste should be burned (whatever can be burned) and the resulting product used to produce energy of some form.

More incineration is needed the most to reduce, which in turn would supply electricity

1. Adding recycling bins at transitway stations. 2. Getting the demonstration plasma gasification plant operating commercially

landfill disposal fees.energy from waste.restrict recycle/reuse material going to landfillrestrict organics going to landfillmake landfill disposal the most expensive option

Incineration and waste to energy in any form

This is a comment on the above questions rather than with respect to a technology. While some of the items above may be "important", it may also be quite complicated or at least, not straightforward to secure a path forward given the limited jurisdiction of the city and given the fact that recycling is not necessarily made easy for small businesses. I have heard of difficulties with finding space for recycling storage for example on Wellington St. West. Everyone needs to work together.

Residential level or community level composting through community garden sites.

Before Osgoode Township amalgamated with the city of Ottawa,we had the best recycling rate. We hated "tag a bag" but we were the best at recycling because the recycling services was completely free.

Encourage at home composting. Work with grocery stores to reduce packaging, switch to more recyclable packaging, enhance reuse of storage containers.

Need to compact trash or burn it. Landfills are not the answer. And stay out of private business. There is too much government interference in all aspects of business.

Recycling efforts by the City is commendable. However...residing near current Carp Road landfill, not in favour of expansion at this site. Water and air quality as well as the building of yet another mountain of garbage and an increase in commercial vehicle traffic along the Carp Road corridor are huge concerns for local residents.

gasifacationburn it STOP BEING NIMBY'S (NO IN MY BACK YARD)

Continue, along with other cities, to pressure the province to force manufacturers and



importers to use less packaging.

Yes, incineration. It's working well in Europe, why can it not work here-----

high temperature incineration

A modern energy to waste facility, like advanced incineration of everything, thereby alleviating the need for most recycling, sorting, difficult-to- impossible-to-meet new targets, and landfill.



APPENDIX D: STATISTICAL TABLES





2011-222 – CITY OF OTTAWA – Ottawa Waste Plan – Short-Form Survey (iPad)

1. Do you think you can significantly, partially or not reduce the amount of waste your household currently generates?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	I can significantly reduce the amount of waste	74	36.3	36.3	36.3
	I can partially reduce the amount of waste	108	52.9	52.9	89.2
	I cannot reduce the amount of waste	20	9.8	9.8	99.0
	Unsure	2	1.0	1.0	100.0
Total		204	100.0	100.0	

2. Thinking about the future, between now and 2015, how likely or unlikely is it that your household will try to reduce the amount of waste that you generate?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	131	64.2	64.2	64.2
	Somewhat likely	50	24.5	24.5	88.7
	Somewhat unlikely	9	4.4	4.4	93.1
	Unlikely	12	5.9	5.9	99.0
	Unsure	2	1.0	1.0	100.0
Total		204	100.0	100.0	

3. Knowing that \$200 million in taxpayer expenditure on a new landfill can be delayed if people reduced, reused and recycled more, are you likely, somewhat likely, somewhat unlikely or unlikely to reduce, reuse and recycle more?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	146	71.6	71.6	71.6
	Somewhat likely	41	20.1	20.1	91.7
	Somewhat unlikely	4	2.0	2.0	93.6
	Unlikely	12	5.9	5.9	99.5
	Unsure	1	.5	.5	100.0
Total		204	100.0	100.0	

2011-222 – CITY OF OTTAWA – Ottawa Waste Plan – Short-Form Survey (iPad)

4. Between now and 2015, how likely or unlikely is it that your household will increase its efforts to put recyclables into the blue box?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	139	68.1	68.1	68.1
	Somewhat likely	40	19.6	19.6	87.7
	Somewhat unlikely	8	3.9	3.9	91.7
	Unlikely	17	8.3	8.3	100.0
	Total	204	100.0	100.0	

5. Are you aware or unaware that most of Ottawa's large businesses and institutions are required by law to have a plan to reduce waste generation and to increase waste recycling?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Aware	85	41.7	41.7	41.7
	Unaware	119	58.3	58.3	100.0
	Total	204	100.0	100.0	

6. Does your workplace have any form of waste recycling?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Workplace has waste recycling	147	72.1	72.1	72.1
	Workplace does not have waste recycling	16	7.8	7.8	79.9
	I work from home	14	6.9	6.9	86.8
	I'm not employed	25	12.3	12.3	99.0
	Unsure	2	1.0	1.0	100.0
	Total	204	100.0	100.0	

2011-222 – CITY OF OTTAWA – Ottawa Waste Plan – Short-Form Survey (iPad)

7. How important or unimportant is it to you that our community manages its own RESIDENTIAL waste locally?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	155	76.0	76.0	76.0
	Somewhat important	28	13.7	13.7	89.7
	Somewhat unimportant	8	3.9	3.9	93.6
	Unimportant	9	4.4	4.4	98.0
	Unsure	4	2.0	2.0	100.0
	Total	204	100.0	100.0	

8. How important or unimportant is it to you that our community manages its own NON-RESIDENTIAL waste, such as waste from hospitals, businesses, schools and construction, locally?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	135	66.2	66.2	66.2
	Somewhat important	46	22.5	22.5	88.7
	Somewhat unimportant	4	2.0	2.0	90.7
	Unimportant	14	6.9	6.9	97.5
	Unsure	5	2.5	2.5	100.0
	Total	204	100.0	100.0	

9. How important or unimportant is it to you that the City of Ottawa take a leadership role in exploring and planning regional waste facilities?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	134	65.7	65.7	65.7
	Somewhat important	49	24.0	24.0	89.7
	Somewhat unimportant	8	3.9	3.9	93.6
	Unimportant	7	3.4	3.4	97.1
	Unsure	6	2.9	2.9	100.0
	Total	204	100.0	100.0	

2011-222 – CITY OF OTTAWA – Ottawa Waste Plan – Short-Form Survey (iPad)

10. How important or unimportant is it to you that the City take a leadership role in DEVELOPING LOCAL FACILITIES AND MARKETS for locally generated recyclables?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	139	68.1	68.1	68.1
	Somewhat important	55	27.0	27.0	95.1
	Somewhat unimportant	3	1.5	1.5	96.6
	Unimportant	5	2.5	2.5	99.0
	Unsure	2	1.0	1.0	100.0
	Total	204	100.0	100.0	

11. Do you agree, somewhat agree, somewhat disagree, or disagree with the following vision?

As you may know, no matter what waste collection, diversion, or energy from waste technology the City uses, there will always be waste that requires disposal at a landfill such as ash, sludge, and contaminated soil. At today's current rate of residential disposal, the municipal landfill will be full by 2035. The following is the draft VISION statement for Ottawa's 30-year Waste Plan: "By 2042, Ottawa will still have room in its municipal landfill because as a community we have improved our rates of reducing, reusing and recycling."

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	129	63.2	63.2	63.2
	Somewhat agree	51	25.0	25.0	88.2
	Somewhat disagree	10	4.9	4.9	93.1
	Disagree	6	2.9	2.9	96.1
	Unsure	8	3.9	3.9	100.0
	Total	204	100.0	100.0	

12. How important or unimportant is it to you that BUSINESSES and INSTITUTIONS remain responsible for the collection, processing, and disposal of their waste?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	152	74.5	74.5	74.5
	Somewhat important	33	16.2	16.2	90.7
	Somewhat unimportant	5	2.5	2.5	93.1
	Unimportant	11	5.4	5.4	98.5
	Unsure	3	1.5	1.5	100.0
	Total	204	100.0	100.0	

2011-222 – CITY OF OTTAWA – Ottawa Waste Plan – Short-Form Survey (iPad)

13. Do you agree, somewhat agree, somewhat disagree, or disagree that we should have recycling targets for local BUSINESSES and INSTITUTIONS within the next five years?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	166	81.4	81.4	81.4
	Somewhat agree	30	14.7	14.7	96.1
	Somewhat disagree	3	1.5	1.5	97.5
	Disagree	2	1.0	1.0	98.5
	Unsure	3	1.5	1.5	100.0
	Total	204	100.0	100.0	

14. How important or unimportant is it to you that the City of Ottawa be given access to waste statistics from Ottawa BUSINESSES and INSTITUTIONS for waste planning purposes?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	156	76.5	76.5	76.5
	Somewhat important	36	17.6	17.6	94.1
	Somewhat unimportant	6	2.9	2.9	97.1
	Unimportant	4	2.0	2.0	99.0
	Unsure	2	1.0	1.0	100.0
	Total	204	100.0	100.0	

15. How important or unimportant is it to you that the City of Ottawa increases its responsibility for the collection, processing, and disposal of BUSINESS and INSTITUTIONAL waste?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	136	66.7	66.7	66.7
	Somewhat important	36	17.6	17.6	84.3
	Somewhat unimportant	14	6.9	6.9	91.2
	Unimportant	9	4.4	4.4	95.6
	Unsure	9	4.4	4.4	100.0
	Total	204	100.0	100.0	



2011-222 – CITY OF OTTAWA – Ottawa Waste Plan – Short-Form Survey (iPad)

16. Do you have a particular idea or technology that you'd like the City of Ottawa to examine during the next stage of this study?

[See Appendix C of report for compiled open-ended responses]

2011-222 – CITY OF OTTAWA – Ottawa Waste Plan – Long-Form Survey (Website)

1. Do you think you can significantly, partially or not reduce the amount of waste your household currently generates?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	I can partially reduce the amount of waste	293	45.0	45.1	45.1
	I cannot reduce the amount of waste	256	39.3	39.4	84.5
	I can significantly reduce the amount of waste	72	11.1	11.1	95.5
	Unsure	29	4.5	4.5	100.0
	Total	650	99.8	100.0	
Missing	No answer	1	.2		
Total		651	100.0		

2. If you were to reduce the quantity of waste that you currently generate, what would you MOST LIKELY do? Would you:

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Buy less	127	19.5	19.6	19.6
	Unsure	124	19.0	19.2	38.8
	Recycle/compost more	123	18.9	19.0	57.8
	Reduce packaging consumption	62	9.5	9.6	67.4
	Buy more durable goods	61	9.4	9.4	76.8
	Reuse more	49	7.5	7.6	84.4
	I already recycle a lot / the maximum accepted by the City	35	5.4	5.4	89.8
	Exchange goods more	29	4.5	4.5	94.3
	Other	11	1.7	1.7	96.0
	Nothing	10	1.5	1.5	97.5
	Anything I can	7	1.1	1.1	98.6
	City should accept more items from more residences	6	.9	.9	99.5
	Incinerate	3	.5	.5	100.0
	Total	647	99.4	100.0	
Missing	No answer	4	.6		
Total		651	100.0		



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3. Thinking about the future, between now and 2015, how likely or unlikely is it that your household will try to reduce the amount of waste that you generate?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	229	35.2	35.3	35.3
	Unlikely	169	26.0	26.1	61.4
	Somewhat likely	159	24.4	24.5	86.0
	Somewhat unlikely	76	11.7	11.7	97.7
	Unsure	15	2.3	2.3	100.0
	Total		648	99.5	100.0
Missing	No answer	3	.5		
Total		651	100.0		

4. Are you aware or unaware that a new landfill would cost approximately \$200 million to Ottawa residents in 2011 taxpayer dollars?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Aware	392	60.2	60.5	60.5
	Unaware	256	39.3	39.5	100.0
	Total	648	99.5	100.0	
Missing	No answer	3	.5		
Total		651	100.0		

5. Knowing that \$200 million in taxpayer expenditure on a new landfill can be delayed if people reduced, reused and recycled more, are you likely, somewhat likely, somewhat unlikely or unlikely to reduce, reuse and recycle more?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	243	37.3	37.5	37.5
	Unlikely	164	25.2	25.3	62.8
	Somewhat likely	141	21.7	21.8	84.6
	Somewhat unlikely	70	10.8	10.8	95.4
	Unsure	30	4.6	4.6	100.0
	Total		648	99.5	100.0
Missing	No answer	3	.5		
Total		651	100.0		



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6. Please identify ALL of the items that you currently place in the BLUE BOX. [a] Ice cream tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	448	68.8	68.8	68.8
	Not place in box	203	31.2	31.2	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [a] Ice cream tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	167	25.7	82.3	82.3
	Easy to add	36	5.5	17.7	100.0
	Total	203	31.2	100.0	
Missing [answered "Place in the box" for question 6a]	No answer	448	68.8		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [b] Other frozen food tubs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	376	57.8	57.8	57.8
	Not place in box	275	42.2	42.2	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [b] Other frozen food tubs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	241	37.0	87.6	87.6
	Easy to add	34	5.2	12.4	100.0
	Total	275	42.2	100.0	
Missing [answered "Place in the box" for question 6b]	No answer	376	57.8		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [c] Yogurt tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	529	81.3	81.3	81.3
	Not place in box	122	18.7	18.7	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [c] Yogurt tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	102	15.7	83.6	83.6
	Easy to add	20	3.1	16.4	100.0
	Total	122	18.7	100.0	
Missing [answered "Place in the box" for question 6c]	No answer	529	81.3		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [d] Margarine tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	480	73.7	73.7	73.7
	Not place in box	171	26.3	26.3	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [d] Margarine tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	150	23.0	87.7	87.7
	Easy to add	21	3.2	12.3	100.0
	Total	171	26.3	100.0	
Missing [answered "Place in the box" for question 6d]	No answer	480	73.7		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [e]Other food tubs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	460	70.7	70.7	70.7
	Not place in box	191	29.3	29.3	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [e] Other food tubs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	172	26.4	90.1	90.1
	Easy to add	19	2.9	9.9	100.0
	Total	191	29.3	100.0	
Missing [answered "Place in the box" for question 6e]	No answer	460	70.7		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [f] Drywall compound tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not place in box	512	78.6	78.6	78.6
	Place in box	139	21.4	21.4	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [f] Drywall compound tub

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	443	68.0	86.5	86.5
	Easy to add	69	10.6	13.5	100.0
	Total	512	78.6	100.0	
Missing [answered "Place in the box" for question 6f]	No answer	139	21.4		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [g] Other hard plastic tubs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	431	66.2	66.2	66.2
	Not place in box	220	33.8	33.8	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [g] Other hard plastic tubs

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	186	28.6	84.5	84.5
	Easy to add	34	5.2	15.5	100.0
	Total	220	33.8	100.0	
Missing [answered "Place in the box" for question 6g]	No answer	431	66.2		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [h] Milk carton

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	482	74.0	74.0	74.0
	Not place in box	169	26.0	26.0	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [h] Milk carton

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	144	22.1	85.2	85.2
	Easy to add	25	3.8	14.8	100.0
	Total	169	26.0	100.0	
Missing [answered "Place in the box" for question 6h]	No answer	482	74.0		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [i] Juice carton

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	505	77.6	77.6	77.6
	Not place in box	146	22.4	22.4	100.0
Total		651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [i] Juice carton

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	123	18.9	84.2	84.2
	Easy to add	23	3.5	15.8	100.0
	Total	146	22.4	100.0	
Missing [answered "Place in the box" for question 6i]	No answer	505	77.6		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [j] Juice boxes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	359	55.1	55.1	55.1
	Not place in box	292	44.9	44.9	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [j] Ice cream carton

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	244	37.5	83.6	83.6
	Easy to add	48	7.4	16.4	100.0
	Total	292	44.9	100.0	
Missing [answered "Place in the box" for question 6j]	No answer	359	55.1		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [k] Glass beverage bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	395	60.7	60.7	60.7
	Not place in box	256	39.3	39.3	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [k] Juice boxes

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	222	34.1	86.7	86.7
	Easy to add	34	5.2	13.3	100.0
	Total	256	39.3	100.0	
Missing [answered "Place in the box" for question 6k]	No answer	395	60.7		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [l] Plastic beverage bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	569	87.4	87.4	87.4
	Not place in box	82	12.6	12.6	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [l] Glass beverage bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	73	11.2	89.0	89.0
	Easy to add	9	1.4	11.0	100.0
	Total	82	12.6	100.0	
Missing [answered "Place in the box" for question 6l]	No answer	569	87.4		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [m] Glass and plastic food containers

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	585	89.9	89.9	89.9
	Not place in box	66	10.1	10.1	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [m] Plastic beverage bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	59	9.1	89.4	89.4
	Easy to add	7	1.1	10.6	100.0
	Total	66	10.1	100.0	
Missing [answered "Place in the box" for question 6m]	No answer	585	89.9		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [n] Glass and plastic food containers (ex. peanut butter, jam, sauces....)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	600	92.2	92.2	92.2
	Not place in box	51	7.8	7.8	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [n] Glass and plastic food containers (peanut butter, jam, sauces...)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	42	6.5	82.4	82.4
	Easy to add	9	1.4	17.6	100.0
	Total	51	7.8	100.0	
Missing [answered "Place in the box" for question 6n]	No answer	600	92.2		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [o] Liquid detergent bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	564	86.6	86.6	86.6
	Not place in box	87	13.4	13.4	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [o] Liquid detergent bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	75	11.5	86.2	86.2
	Easy to add	12	1.8	13.8	100.0
	Total	87	13.4	100.0	
Missing [answered "Place in the box" for question 6o]	No answer	564	86.6		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [p] Bleach containers

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	440	67.6	67.6	67.6
	Not place in box	211	32.4	32.4	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [p] Bleach containers

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	192	29.5	91.0	91.0
	Easy to add	19	2.9	9.0	100.0
	Total	211	32.4	100.0	
Missing [answered "Place in the box" for question 6p]	No answer	440	67.6		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [q] Vinegar bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	528	81.1	81.1	81.1
	Not place in box	123	18.9	18.9	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [q] Vinegar bottles

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	112	17.2	91.1	91.1
	Easy to add	11	1.7	8.9	100.0
	Total	123	18.9	100.0	
Missing [answered "Place in the box" for question 6q]	No answer	528	81.1		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [r] Shampoo, conditioner, liquid soap, cleanser

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	548	84.2	84.2	84.2
	Not place in box	103	15.8	15.8	100.0
Total		651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [r] Shampoo, conditioner, liquid soap,....

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	66	10.1	64.1	64.1
	Easy to add	37	5.7	35.9	100.0
	Total	103	15.8	100.0	
Missing [answered "Place in the box" for question 6r]	No answer	548	84.2		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [s] Clear clamshell food packaging

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	458	70.4	70.4	70.4
	Not place in box	193	29.6	29.6	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [s] Clamshell food packaging

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	147	22.6	76.2	76.2
	Easy to add	46	7.1	23.8	100.0
	Total	193	29.6	100.0	
Missing [answered "Place in the box" for question 6s]	No answer	458	70.4		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [t] Clear plastic egg cartons

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	378	58.1	58.1	58.1
	Not place in box	273	41.9	41.9	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [t] Clear plastic egg cartons

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	236	36.3	86.4	86.4
	Easy to add	37	5.7	13.6	100.0
	Total	273	41.9	100.0	
Missing [answered "Place in the box" for question 6t]	No answer	378	58.1		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [u] Food cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	587	90.2	90.2	90.2
	Not place in box	64	9.8	9.8	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [u] Food cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	58	8.9	90.6	90.6
	Easy to add	6	.9	9.4	100.0
	Total	64	9.8	100.0	
Missing [answered "Place in the box" for question 6u]	No answer	587	90.2		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [v] Pop cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	565	86.8	86.8	86.8
	Not place in box	86	13.2	13.2	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [v] Pop cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	74	11.4	86.0	86.0
	Easy to add	12	1.8	14.0	100.0
	Total	86	13.2	100.0	
Missing [answered "Place in the box" for question 6v]	No answer	565	86.8		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [w] Aerosol cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not place in box	389	59.8	59.8	59.8
	Place in box	262	40.2	40.2	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [w] Aerosol cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	267	41.0	68.6	68.6
	Easy to add	122	18.7	31.4	100.0
	Total	389	59.8	100.0	
Missing [answered "Place in the box" for question 6w]	No answer	262	40.2		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [x] Empty paint cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not place in box	392	60.2	60.2	60.2
	Place in box	259	39.8	39.8	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [x] Empty paint cans

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	287	44.1	73.2	73.2
	Easy to add	105	16.1	26.8	100.0
	Total	392	60.2	100.0	
Missing [answered "Place in the box" for question 6x]	No answer	259	39.8		
Total		651	100.0		



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6. Please identify ALL of the items that you currently place in the BLUE BOX. [y] Aluminum foil

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	375	57.6	57.6	57.6
	Not place in box	276	42.4	42.4	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [y] Aluminum foil

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	148	22.7	53.6	53.6
	Easy to add	128	19.7	46.4	100.0
	Total	276	42.4	100.0	
Missing [answered "Place in the box" for question 6y]	No answer	375	57.6		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [z] Aluminum take-out tins

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	406	62.4	62.4	62.4
	Not place in box	245	37.6	37.6	100.0
	Total	651	100.0	100.0	

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7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [z] Aluminum take-out tins and pastry trays

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	152	23.3	62.0	62.0
	Easy to add	93	14.3	38.0	100.0
	Total	245	37.6	100.0	
Missing [answered "Place in the box" for question 6z]	No answer	406	62.4		
Total		651	100.0		

6. Please identify ALL of the items that you currently place in the BLUE BOX. [aa] Plastic flower pots

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Place in box	345	53.0	53.0	53.0
	Not place in box	306	47.0	47.0	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [aa] Plastic flower pots

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	197	30.3	64.4	64.4
	Easy to add	109	16.7	35.6	100.0
	Total	306	47.0	100.0	
Missing [answered "Place in the box" for question 6aa]	No answer	345	53.0		
Total		651	100.0		

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6. Please identify ALL of the items that you currently place in the BLUE BOX. [bb] Plastic planting trays

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not place in box	335	51.5	51.5	51.5
	Place in box	316	48.5	48.5	100.0
	Total	651	100.0	100.0	

7. Which of the following items that you are NOT putting in the blue box, would be EASIEST for your household to add to the BLUE BOX? Please check as many items as you want. [bb] Plastic planting trays

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not easy to add	225	34.6	67.2	67.2
	Easy to add	110	16.9	32.8	100.0
	Total	335	51.5	100.0	
Missing [answered "Place in the box" for question 6bb]	No answer	316	48.5		
Total		651	100.0		

8. Between now and 2015, how likely or unlikely is it that your household will increase its efforts to put recyclables into the blue box?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	271	41.6	41.9	41.9
	Unlikely	171	26.3	26.4	68.3
	Somewhat likely	123	18.9	19.0	87.3
	Somewhat unlikely	67	10.3	10.4	97.7
	Unsure	15	2.3	2.3	100.0
	Total	647	99.4	100.0	
Missing	System	4	.6		
Total		651	100.0		

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9. Are you aware or unaware that most of Ottawa’s large businesses and institutions are required by law to have a plan to reduce waste generation and to increase waste recycling?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Unaware	355	54.5	55.0	55.0
	Aware	291	44.7	45.0	100.0
	Total	646	99.2	100.0	
Missing	System	5	.8		
Total		651	100.0		

10. Does your workplace have any form of waste recycling?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Workplace has waste recycling	388	59.6	60.2	60.2
	I’m not employed	148	22.7	23.0	83.2
	I work from home	49	7.5	7.6	90.8
	Workplace does not have waste recycling	38	5.8	5.9	96.7
	Unsure	21	3.2	3.3	100.0
	Total	644	98.9	100.0	
Missing	System	7	1.1		
Total		651	100.0		

11. What does your workplace recycle? Select as many as apply.

		Responses		Percent of Cases
		N	Percent	
Q11	Paper and cardboard	379	33.7%	97.9%
	Plastics	310	27.6%	80.1%
	Bottles and cans	349	31.0%	90.2%
	Food waste	78	6.9%	20.2%
	Nothing	3	.3%	.8%
	Unsure	5	.4%	1.3%
Total		1124	100.0%	290.4%

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11. What does your workplace recycle? Select as many as apply. [Other]

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Batteries	6	.9	40.0	40.0
	Metal	4	.6	26.7	66.7
	E-waste	3	.5	20.0	86.7
	Other	2	.3	13.3	100.0
	Total	15	2.3	100.0	
Missing	No answer	636	97.7		
Total		651	100.0		

12. How likely or unlikely do you think your employer would be to sign-up to a city-wide waste challenge?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	125	19.2	32.3	32.3
	Unlikely	70	10.8	18.1	50.4
	Somewhat likely	68	10.4	17.6	68.0
	Unsure	68	10.4	17.6	85.5
	Somewhat unlikely	56	8.6	14.5	100.0
	Total	387	59.4	100.0	
Missing	No answer	256	39.3		
	System	8	1.2		
	Total	264	40.6		
Total		651	100.0		

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13. If your employer provided a blue box container in the kitchen or common area at work, how likely or unlikely would you be to take your recyclables to that location for recycling?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Likely	310	47.6	79.9	79.9
	Somewhat likely	40	6.1	10.3	90.2
	Unlikely	21	3.2	5.4	95.6
	Somewhat unlikely	9	1.4	2.3	97.9
	Unsure	8	1.2	2.1	100.0
	Total		388	59.6	100.0
Missing	No answer	256	39.3		
	System	7	1.1		
	Total	263	40.4		
Total		651	100.0		

14. Please identify which types of waste facilities you believe are found in Ottawa. [a] An engineered landfill

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Are in Ottawa	460	70.7	70.7	70.7
	Not in Ottawa	191	29.3	29.3	100.0
	Total	651	100.0	100.0	

14. Please identify which types of waste facilities you believe are found in Ottawa. [b] A landfill gas to energy plant

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not in Ottawa	411	63.1	63.1	63.1
	Are in Ottawa	240	36.9	36.9	100.0
	Total	651	100.0	100.0	

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14. Please identify which types of waste facilities you believe are found in Ottawa. [c] An energy from waste facility

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Are in Ottawa	336	51.6	51.6	51.6
	Not in Ottawa	315	48.4	48.4	100.0
Total		651	100.0	100.0	

14. Please identify which types of waste facilities you believe are found in Ottawa. [d] A blue box waste processing facility

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Are in Ottawa	559	85.9	85.9	85.9
	Not in Ottawa	92	14.1	14.1	100.0
Total		651	100.0	100.0	

14. Please identify which types of waste facilities you believe are found in Ottawa. [e] A black box waste processing facility

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Are in Ottawa	557	85.6	85.6	85.6
	Not in Ottawa	94	14.4	14.4	100.0
Total		651	100.0	100.0	

14. Please identify which types of waste facilities you believe are found in Ottawa. [f] A compost facility

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Are in Ottawa	576	88.5	88.5	88.5
	Not in Ottawa	75	11.5	11.5	100.0
Total		651	100.0	100.0	

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14. Please identify which types of waste facilities you believe are found in Ottawa. [g] A waste transfer station

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Not in Ottawa	361	55.5	55.5	55.5
	Are in Ottawa	290	44.5	44.5	100.0
	Total	651	100.0	100.0	

15. How important or unimportant is it to you that our community manages its own RESIDENTIAL waste locally?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	389	59.8	60.2	60.2
	Somewhat important	129	19.8	20.0	80.2
	Unimportant	64	9.8	9.9	90.1
	Somewhat unimportant	43	6.6	6.7	96.7
	Unsure	21	3.2	3.3	100.0
	Total		646	99.2	100.0
Missing	No answer	5	.8		
Total		651	100.0		

16. How important or unimportant is it to you that our community manages its own NON-RESIDENTIAL waste, such as waste from hospitals, businesses, schools and construction, locally?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	319	49.0	49.4	49.4
	Somewhat important	170	26.1	26.3	75.7
	Unimportant	79	12.1	12.2	87.9
	Somewhat unimportant	57	8.8	8.8	96.7
	Unsure	21	3.2	3.3	100.0
	Total		646	99.2	100.0
Missing	No answer	5	.8		
Total		651	100.0		

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17. How important or unimportant is it to you that the City of Ottawa take a leadership role in exploring and planning regional waste facilities (by this we mean waste facilities that could serve Eastern Ontario / Western Quebec that may or may not be located in Ottawa)?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	248	38.1	38.4	38.4
	Somewhat important	177	27.2	27.4	65.9
	Unimportant	115	17.7	17.8	83.7
	Somewhat unimportant	59	9.1	9.1	92.9
	Unsure	46	7.1	7.1	100.0
	Total		645	99.1	100.0
Missing	No answer	6	.9		
Total		651	100.0		

18. How important or unimportant is it to you that the City take a leadership role in DEVELOPING LOCAL FACILITIES AND MARKETS for locally generated recyclables (such as asphalt shingles and drywall?)

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	290	44.5	45.0	45.0
	Somewhat important	182	28.0	28.2	73.2
	Unimportant	88	13.5	13.6	86.8
	Somewhat unimportant	63	9.7	9.8	96.6
	Unsure	22	3.4	3.4	100.0
	Total		645	99.1	100.0
Missing	No answer	6	.9		
Total		651	100.0		

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19. Do you agree, somewhat agree, somewhat disagree, or disagree with the following vision?

As you may know, no matter what waste collection, diversion, or energy from waste technology the City uses, there will always be waste that requires disposal at a landfill such as ash, sludge, and contaminated soil. At today's current rate of residential disposal, the municipal landfill will be full by 2035. The following is the draft VISION statement for Ottawa's 30-year Waste Plan: "By 2042, Ottawa will still have room in its municipal landfill because as a community we have improved our rates of reducing, reusing and recycling."

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	255	39.2	39.5	39.5
	Somewhat agree	197	30.3	30.5	70.1
	Disagree	89	13.7	13.8	83.9
	Somewhat disagree	67	10.3	10.4	94.3
	Unsure	37	5.7	5.7	100.0
	Total		645	99.1	100.0
Missing	No answer	6	.9		
Total		651	100.0		

20. How important or unimportant is it to you that BUSINESSES and INSTITUTIONS remain responsible for the collection, processing, and disposal of their waste?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	348	53.5	54.0	54.0
	Somewhat important	130	20.0	20.2	74.1
	Unimportant	66	10.1	10.2	84.3
	Unsure	57	8.8	8.8	93.2
	Somewhat unimportant	44	6.8	6.8	100.0
	Total		645	99.1	100.0
Missing	No answer	6	.9		
Total		651	100.0		

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21. Do you agree, somewhat agree, somewhat disagree, or disagree that we should have recycling targets for local BUSINESSES and INSTITUTIONS within the next five years?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	438	67.3	67.9	67.9
	Somewhat agree	105	16.1	16.3	84.2
	Disagree	60	9.2	9.3	93.5
	Somewhat disagree	28	4.3	4.3	97.8
	Unsure	14	2.2	2.2	100.0
	Total		645	99.1	100.0
Missing	No answer	6	.9		
Total		651	100.0		

22. Do you agree, somewhat agree, somewhat disagree or disagree that we should have recycling targets for local CONSTRUCTION and DEMOLITION projects within the next five years?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Agree	436	67.0	67.6	67.6
	Somewhat agree	117	18.0	18.1	85.7
	Disagree	55	8.4	8.5	94.3
	Somewhat disagree	27	4.1	4.2	98.4
	Unsure	10	1.5	1.6	100.0
	Total		645	99.1	100.0
Missing	No answer	6	.9		
Total		651	100.0		

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23. How important or unimportant is it to you that the City of Ottawa be given access to waste statistics from Ottawa BUSINESSES and INSTITUTIONS for waste planning purposes?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	411	63.1	63.7	63.7
	Somewhat important	113	17.4	17.5	81.2
	Unimportant	70	10.8	10.9	92.1
	Somewhat unimportant	30	4.6	4.7	96.7
	Unsure	21	3.2	3.3	100.0
	Total		645	99.1	100.0
Missing	No answer	6	.9		
Total		651	100.0		

24. How important or unimportant is it to you that the City of Ottawa increases its responsibility for the collection, processing, and disposal of BUSINESS and INSTITUTIONAL waste?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Important	288	44.2	44.7	44.7
	Somewhat important	156	24.0	24.2	68.9
	Unimportant	101	15.5	15.7	84.6
	Somewhat unimportant	65	10.0	10.1	94.7
	Unsure	34	5.2	5.3	100.0
	Total		644	98.9	100.0
Missing	No answer	7	1.1		
Total		651	100.0		

25. Do you have a particular idea or technology that you'd like the City of Ottawa to examine during the next stage of this study?

[See Appendix C of report for compiled open-ended responses]